

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 – 025-46904	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 41H

II. ¹⁰ Surface Location

Ul or lot no. B	Sec 1	Township 26S	Range 32E	Lot Idn	429	NORTH LINE	1935	EAST LINE	County LEA
--------------------	-------	-----------------	--------------	---------	-----	------------	------	-----------	------------

¹¹ Bottom Hole Location

UL or lot no O	Section 12	Township 26S	Range 32E	Lot Idn	67.8	SOUTH LINE	2283.6	EAST LINE	LEA	
¹² Lse Code F	¹³ Producing Method FLOWING		¹⁴ Gas Connection 1/27/2021			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 3/23/2020	²² Ready Date 1/23/2021	²³ TD 19,677’	PBTD: 19,673’	²⁵ Perforations 9,500’ – 19,640’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 1/2		13 3/8		1,142	990
12 1/4		9 5/8		4,833	1,335
8 3/4		5 ½		19,677	2,930

V. Well Test Data

³¹ Date New Oil 1/27/2021	³² Gas Delivery Date 1/27/2021	³³ Test Date 2/1/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 860 psi	³⁶ Csg. Pressure
³⁷ Choke Size 32/64	³⁸ Oil 560	³⁹ Water 1751	GAS 1204		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:	
-------	--------	--

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

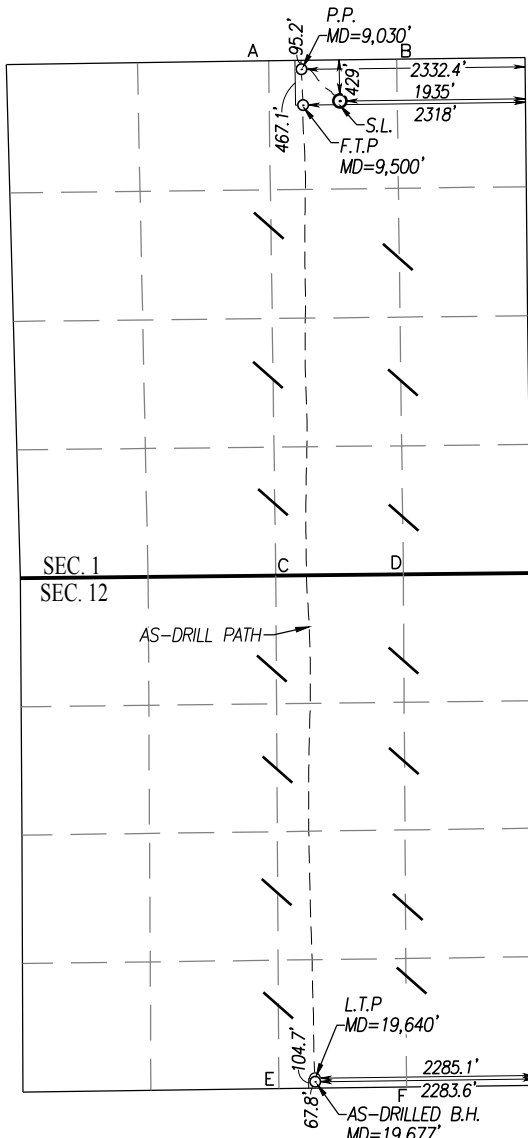
Revised August 1, 2011
Submit one copy to appropriate
District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-46904		Pool Code 97838		Pool Name JENNINGS / UPPER BONE SPRING SHALE					
Property Code 327174		Property Name MESA 8105 1-12 FED						Well Number 41H	
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 429	North/South line NORTH	Feet from the 1935	East/West line EAST	County LEA
As-Drilled Bottom Hole Location If Different From Surface									
UL or lot No. O	Section 12	Township 26-S	Range 32-E	Lot Idn	Feet from the 67.8	North/South line SOUTH	Feet from the 2283.6	East/West line EAST	County LEA
Penetration Point Location									
UL or lot No. B	Section 1	Township 26-S	Range 32-E	Lot Idn	Feet from the 95.2	North/South line NORTH	Feet from the 2332.4	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 NAD 83 NME SURFACE LOCATION Y= 393052.4 N X= 760375.3 E LAT.=32.078607° N LONG.=103.626136° W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 392994.9 N X= 719188.7 E LAT.=32.078482° N LONG.=103.625665° W
PENETRATION POINT NAD 83 NME Y= 393381.3 N X= 759974.7 E LAT.=32.079518° N LONG.=103.627423° W	PENETRATION POINT NAD 27 NME Y= 393323.8 N X= 718788.2 E LAT.=32.079394° N LONG.=103.626951° W
FIRST TAKE POINT NAD 83 NME Y= 393009.7 N X= 759992.7 E LAT.=32.078497° N LONG.=103.627372° W	FIRST TAKE POINT NAD 27 NME Y= 392952.2 N X= 718806.1 E LAT.=32.078372° N LONG.=103.626901° W

CORNER COORDINATES TABLE

NAD 27 NME
A - Y=393415.0 N, X=718447.9 E
B - Y=393430.8 N, X=719783.4 E
C - Y=388053.0 N, X=718523.7 E
D - Y=388065.8 N, X=719852.3 E
E - Y=382711.4 N, X=718554.5 E
F - Y=382729.0 N, X=719884.8 E

CORNER COORDINATES TABLE

NAD 83 NME
A - Y=393472.5 N, X=759634.5 E
B - Y=393488.4 N, X=760970.0 E
C - Y=388110.4 N, X=759710.5 E
D - Y=388123.2 N, X=761039.1 E
E - Y=382768.7 N, X=759741.5 E
F - Y=382786.2 N, X=761071.9 E

LAST TAKE POINT NAD 83 NME Y= 382878.3 N X= 760117.1 E LAT.=32.050646° N LONG.=103.627185° W	LAST TAKE POINT NAD 27 NME Y= 382821.1 N X= 718930.0 E LAT.=32.050521° N LONG.=103.626716° W
AS-DRILLED BOTTOM HOLE LOCATION NAD 83 NME Y= 382841.4 N X= 760118.8 E LAT.=32.050444° N LONG.=103.627180° W	AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME Y= 382784.2 N X= 718931.7 E LAT.=32.050419° N LONG.=103.626711° W

NOTE: AS-DRILLED BOTTOM HOLE, LAST TAKE POINT, FIRST TAKE POINT AND PENETRATION POINT PLOTTED FROM DATA FURNISHED BY QES SURVEY REPORT ON APRIL 13, 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.

Sammy Hajar 3/26/2021

Signature Date

Sammy Hajar

Printed Name

Shajar@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.

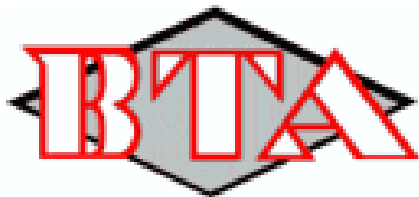
AUGUST 20, 2019

Date of Survey 12641
Signature & Seal of Professional Surveyor:

Gary G. Eidson 02/25/2021

Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK REL. W.O.:19110916 JWSC W.O.: 21.13.0080



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 1, T26-S, R32-E

Mesa 8105 1-12 Fed #41H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

13 April, 2020





QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #41H
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 #41H	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	Latitude:	32° 4' 43.446 N
From:	Map	Easting:	760,413.30 usft	Longitude:	103° 37' 33.646 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well		Mesa 8105 1-12 Fed #41H				
Well Position	+N-S	0.0 usft	Northing:	393,052.40 usft	Latitude:	32° 4' 42.986 N
	+E-W	0.0 usft	Easting:	760,375.30 usft	Longitude:	103° 37' 34.091 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,355.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	2/24/2020	6.57	59.67	47,667.30000000

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.58	

Survey Program	Date	4/13/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
169.0	19,677.0	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	393,052.40	760,375.30	32° 4' 42.986 N	103° 37' 34.091 W
169.0	0.50	174.80	169.0	-0.7	0.1	393,051.66	760,375.36	32° 4' 42.978 N	103° 37' 34.091 W
First MWD Survey @ 169.0' MD / 169.0' TVD									
228.0	0.40	113.80	228.0	-1.1	0.3	393,051.32	760,375.58	32° 4' 42.975 N	103° 37' 34.088 W
287.0	0.40	104.30	287.0	-1.2	0.7	393,051.19	760,375.96	32° 4' 42.974 N	103° 37' 34.084 W
376.0	0.40	61.40	376.0	-1.1	1.2	393,051.26	760,376.54	32° 4' 42.974 N	103° 37' 34.077 W
436.0	0.20	89.70	436.0	-1.0	1.5	393,051.36	760,376.83	32° 4' 42.975 N	103° 37' 34.074 W
558.0	0.50	341.60	558.0	-0.5	1.6	393,051.87	760,376.87	32° 4' 42.980 N	103° 37' 34.073 W
713.0	0.80	324.90	713.0	1.0	0.7	393,053.40	760,376.04	32° 4' 42.995 N	103° 37' 34.083 W
808.0	0.80	324.90	808.0	2.1	0.0	393,054.48	760,375.27	32° 4' 43.006 N	103° 37' 34.091 W
998.0	0.40	333.50	998.0	3.8	-1.1	393,056.16	760,374.21	32° 4' 43.023 N	103° 37' 34.104 W
1,099.0	1.20	343.50	1,098.9	5.1	-1.5	393,057.49	760,373.76	32° 4' 43.036 N	103° 37' 34.109 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #41H
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 #41H	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
1,201.0	1.50	348.40	1,200.9	7.4	-2.1	393,059.82	760,373.18	32° 4' 43.059 N	103° 37' 34.115 W
1,296.0	3.20	324.90	1,295.8	10.8	-3.9	393,063.21	760,371.41	32° 4' 43.093 N	103° 37' 34.136 W
1,391.0	5.50	320.10	1,390.6	16.5	-8.3	393,068.87	760,366.96	32° 4' 43.149 N	103° 37' 34.187 W
1,486.0	7.70	321.90	1,484.9	25.0	-15.2	393,077.37	760,360.12	32° 4' 43.234 N	103° 37' 34.266 W
1,581.0	9.50	318.60	1,578.9	35.9	-24.3	393,088.26	760,351.00	32° 4' 43.342 N	103° 37' 34.371 W
1,676.0	9.90	309.80	1,672.5	47.0	-35.8	393,099.37	760,339.54	32° 4' 43.453 N	103° 37' 34.503 W
1,772.0	7.10	303.30	1,767.4	55.5	-47.1	393,107.92	760,328.24	32° 4' 43.538 N	103° 37' 34.634 W
1,867.0	6.10	301.20	1,861.8	61.4	-56.3	393,113.75	760,319.02	32° 4' 43.596 N	103° 37' 34.741 W
1,962.0	5.80	311.70	1,956.3	67.2	-64.2	393,119.56	760,311.12	32° 4' 43.654 N	103° 37' 34.832 W
2,057.0	5.10	320.80	2,050.9	73.6	-70.4	393,126.03	760,304.86	32° 4' 43.719 N	103° 37' 34.904 W
2,151.0	5.30	323.80	2,144.5	80.4	-75.6	393,132.77	760,299.66	32° 4' 43.786 N	103° 37' 34.964 W
2,246.0	6.20	325.10	2,239.0	88.1	-81.2	393,140.52	760,294.13	32° 4' 43.863 N	103° 37' 35.028 W
2,341.0	6.20	320.00	2,333.5	96.3	-87.4	393,148.65	760,287.90	32° 4' 43.944 N	103° 37' 35.100 W
2,436.0	5.50	303.40	2,428.0	102.7	-94.5	393,155.09	760,280.80	32° 4' 44.008 N	103° 37' 35.182 W
2,531.0	5.30	298.50	2,522.5	107.3	-102.2	393,159.69	760,273.14	32° 4' 44.054 N	103° 37' 35.270 W
2,625.0	5.60	299.20	2,616.1	111.6	-110.0	393,164.00	760,265.32	32° 4' 44.097 N	103° 37' 35.361 W
2,720.0	4.80	304.70	2,710.7	116.1	-117.3	393,168.52	760,258.01	32° 4' 44.142 N	103° 37' 35.446 W
2,815.0	4.80	305.70	2,805.4	120.7	-123.8	393,173.11	760,251.51	32° 4' 44.188 N	103° 37' 35.521 W
2,910.0	5.30	304.10	2,900.0	125.5	-130.6	393,177.88	760,244.65	32° 4' 44.236 N	103° 37' 35.600 W
3,005.0	6.20	305.50	2,994.5	130.9	-138.5	393,183.32	760,236.84	32° 4' 44.290 N	103° 37' 35.690 W
3,100.0	5.90	314.70	3,089.0	137.3	-146.1	393,189.74	760,229.20	32° 4' 44.354 N	103° 37' 35.779 W
3,194.0	5.00	321.90	3,182.6	144.0	-152.1	393,196.36	760,223.24	32° 4' 44.420 N	103° 37' 35.848 W
3,289.0	4.70	328.00	3,277.3	150.5	-156.7	393,202.92	760,218.62	32° 4' 44.485 N	103° 37' 35.901 W
3,384.0	5.10	338.20	3,371.9	157.7	-160.3	393,210.14	760,214.99	32° 4' 44.557 N	103° 37' 35.942 W
3,479.0	6.10	334.20	3,466.5	166.2	-164.1	393,218.60	760,211.22	32° 4' 44.641 N	103° 37' 35.986 W
3,575.0	6.50	320.80	3,561.9	175.0	-169.7	393,227.41	760,205.57	32° 4' 44.728 N	103° 37' 36.051 W
3,670.0	6.20	307.70	3,656.3	182.3	-177.2	393,234.71	760,198.11	32° 4' 44.801 N	103° 37' 36.137 W
3,765.0	5.10	305.50	3,750.8	187.9	-184.7	393,240.30	760,190.61	32° 4' 44.857 N	103° 37' 36.223 W
3,860.0	5.40	304.70	3,845.4	192.9	-191.8	393,245.30	760,183.50	32° 4' 44.907 N	103° 37' 36.306 W
3,955.0	7.10	304.30	3,939.9	198.8	-200.3	393,251.15	760,174.97	32° 4' 44.965 N	103° 37' 36.404 W
4,049.0	6.90	307.00	4,033.2	205.4	-209.6	393,257.82	760,165.67	32° 4' 45.032 N	103° 37' 36.512 W
4,144.0	4.20	313.30	4,127.7	211.2	-216.7	393,263.65	760,158.58	32° 4' 45.090 N	103° 37' 36.594 W
4,239.0	3.20	319.10	4,222.5	215.6	-221.0	393,268.04	760,154.31	32° 4' 45.134 N	103° 37' 36.643 W
4,335.0	3.80	320.30	4,318.3	220.1	-224.8	393,272.51	760,150.52	32° 4' 45.178 N	103° 37' 36.687 W
4,430.0	3.90	323.10	4,413.1	225.1	-228.7	393,277.51	760,146.57	32° 4' 45.228 N	103° 37' 36.732 W
4,525.0	4.10	324.20	4,507.9	230.5	-232.7	393,282.85	760,142.64	32° 4' 45.281 N	103° 37' 36.778 W
4,620.0	5.10	326.80	4,602.6	236.7	-237.0	393,289.14	760,138.35	32° 4' 45.344 N	103° 37' 36.827 W
4,714.0	6.50	327.00	4,696.1	244.7	-242.1	393,297.10	760,133.16	32° 4' 45.423 N	103° 37' 36.887 W
4,788.0	5.40	325.40	4,769.7	251.1	-246.4	393,303.48	760,128.90	32° 4' 45.486 N	103° 37' 36.936 W
4,859.0	5.80	325.10	4,840.4	256.8	-250.3	393,309.17	760,124.95	32° 4' 45.543 N	103° 37' 36.981 W
4,954.0	5.70	324.40	4,934.9	264.5	-255.8	393,316.94	760,119.46	32° 4' 45.620 N	103° 37' 37.045 W
5,049.0	5.50	322.90	5,029.4	272.0	-261.3	393,324.41	760,113.97	32° 4' 45.694 N	103° 37' 37.108 W
5,144.0	5.30	323.30	5,124.0	279.2	-266.7	393,331.56	760,108.60	32° 4' 45.765 N	103° 37' 37.170 W
5,239.0	4.70	324.90	5,218.6	285.9	-271.6	393,338.26	760,103.74	32° 4' 45.832 N	103° 37' 37.226 W
5,334.0	5.80	318.00	5,313.2	292.6	-277.0	393,345.01	760,098.29	32° 4' 45.899 N	103° 37' 37.288 W
5,429.0	5.90	316.10	5,407.8	299.7	-283.6	393,352.10	760,091.69	32° 4' 45.970 N	103° 37' 37.365 W
5,524.0	5.30	316.10	5,502.3	306.4	-290.0	393,358.78	760,085.26	32° 4' 46.036 N	103° 37' 37.439 W
5,619.0	5.30	316.30	5,596.9	312.7	-296.1	393,365.11	760,079.19	32° 4' 46.099 N	103° 37' 37.509 W
5,714.0	4.90	315.20	5,691.5	318.8	-302.0	393,371.16	760,073.30	32° 4' 46.160 N	103° 37' 37.577 W
5,809.0	4.40	315.60	5,786.2	324.2	-307.4	393,376.65	760,067.89	32° 4' 46.214 N	103° 37' 37.639 W
5,826.3	4.51	314.99	5,803.5	325.2	-308.4	393,377.60	760,066.94	32° 4' 46.224 N	103° 37' 37.650 W
100' HL Crossed @ 5826.3' MD / 5803.5' TVD									
5,904.0	5.00	312.60	5,880.9	329.7	-313.0	393,382.05	760,062.29	32° 4' 46.268 N	103° 37' 37.704 W
5,999.0	5.10	309.20	5,975.5	335.1	-319.3	393,387.52	760,055.97	32° 4' 46.323 N	103° 37' 37.777 W
6,094.0	4.90	309.90	6,070.2	340.4	-325.7	393,392.79	760,049.59	32° 4' 46.375 N	103° 37' 37.851 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #41H
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 #41H	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
6,189.0	4.60	309.60	6,164.8	345.4	-331.8	393,397.82	760,043.54	32° 4' 46.425 N	103° 37' 37.921 W
6,285.0	4.30	310.50	6,260.5	350.2	-337.5	393,402.62	760,037.84	32° 4' 46.473 N	103° 37' 37.987 W
6,380.0	4.10	309.60	6,355.3	354.7	-342.8	393,407.09	760,032.51	32° 4' 46.518 N	103° 37' 38.048 W
6,475.0	3.80	308.50	6,450.1	358.8	-347.9	393,411.22	760,027.43	32° 4' 46.559 N	103° 37' 38.107 W
6,570.0	3.80	308.00	6,544.8	362.7	-352.8	393,415.12	760,022.49	32° 4' 46.598 N	103° 37' 38.164 W
6,665.0	3.40	307.10	6,639.7	366.4	-357.5	393,418.75	760,017.76	32° 4' 46.634 N	103° 37' 38.219 W
6,760.0	3.20	306.80	6,734.5	369.6	-361.9	393,422.04	760,013.39	32° 4' 46.667 N	103° 37' 38.269 W
6,855.0	4.10	312.00	6,829.3	373.5	-366.6	393,425.90	760,008.74	32° 4' 46.705 N	103° 37' 38.323 W
6,951.0	4.40	315.00	6,925.0	378.4	-371.7	393,430.80	760,003.59	32° 4' 46.754 N	103° 37' 38.383 W
7,046.0	4.10	316.60	7,019.8	383.4	-376.6	393,435.85	759,998.68	32° 4' 46.804 N	103° 37' 38.439 W
7,141.0	4.10	314.50	7,114.5	388.3	-381.4	393,440.69	759,993.92	32° 4' 46.853 N	103° 37' 38.494 W
7,235.0	3.70	314.90	7,208.3	392.8	-385.9	393,445.19	759,989.38	32° 4' 46.898 N	103° 37' 38.547 W
7,330.0	3.40	313.10	7,303.1	396.9	-390.1	393,449.28	759,985.15	32° 4' 46.938 N	103° 37' 38.595 W
7,425.0	3.40	310.80	7,398.0	400.6	-394.3	393,453.04	759,980.96	32° 4' 46.976 N	103° 37' 38.644 W
7,520.0	2.40	282.30	7,492.9	402.9	-398.4	393,455.31	759,976.88	32° 4' 46.998 N	103° 37' 38.691 W
7,615.0	1.60	209.20	7,587.8	402.2	-401.0	393,454.57	759,974.29	32° 4' 46.991 N	103° 37' 38.721 W
7,710.0	1.80	190.20	7,682.8	399.5	-401.9	393,451.95	759,973.38	32° 4' 46.965 N	103° 37' 38.732 W
7,805.0	0.30	252.60	7,777.8	398.0	-402.4	393,450.41	759,972.88	32° 4' 46.950 N	103° 37' 38.738 W
7,900.0	0.40	306.20	7,872.8	398.1	-402.9	393,450.53	759,972.37	32° 4' 46.951 N	103° 37' 38.744 W
7,995.0	0.40	310.30	7,967.7	398.5	-403.4	393,450.94	759,971.85	32° 4' 46.956 N	103° 37' 38.750 W
8,091.0	0.30	343.20	8,063.7	399.0	-403.8	393,451.39	759,971.53	32° 4' 46.960 N	103° 37' 38.754 W
8,186.0	0.20	345.30	8,158.7	399.4	-403.9	393,451.79	759,971.41	32° 4' 46.964 N	103° 37' 38.755 W
8,281.0	0.00	111.50	8,253.7	399.6	-403.9	393,451.95	759,971.37	32° 4' 46.966 N	103° 37' 38.755 W
8,376.0	0.00	219.40	8,348.7	399.6	-403.9	393,451.95	759,971.37	32° 4' 46.966 N	103° 37' 38.755 W
8,471.0	0.20	212.70	8,443.7	399.4	-404.0	393,451.81	759,971.28	32° 4' 46.964 N	103° 37' 38.756 W
8,566.0	0.50	198.00	8,538.7	398.9	-404.2	393,451.28	759,971.06	32° 4' 46.959 N	103° 37' 38.759 W
8,661.0	0.50	189.00	8,633.7	398.1	-404.4	393,450.48	759,970.87	32° 4' 46.951 N	103° 37' 38.761 W
8,724.0	0.50	203.90	8,696.7	397.6	-404.6	393,449.95	759,970.72	32° 4' 46.946 N	103° 37' 38.763 W
8,782.0	1.10	212.90	8,754.7	396.9	-405.0	393,449.26	759,970.31	32° 4' 46.939 N	103° 37' 38.768 W
8,877.0	12.40	179.00	8,848.9	385.9	-405.3	393,438.25	759,969.99	32° 4' 46.830 N	103° 37' 38.772 W
8,973.0	24.50	174.20	8,939.8	355.6	-403.1	393,408.03	759,972.19	32° 4' 46.531 N	103° 37' 38.749 W
9,040.5	31.46	175.20	8,999.4	324.1	-400.2	393,376.51	759,975.08	32° 4' 46.219 N	103° 37' 38.718 W
100' HL Crossed @ 9040.5' MD / 8999.4' TVD									
9,068.0	34.30	175.50	9,022.5	309.2	-399.0	393,361.64	759,976.29	32° 4' 46.072 N	103° 37' 38.705 W
9,163.0	44.40	177.10	9,095.9	249.2	-395.2	393,301.60	759,980.08	32° 4' 45.477 N	103° 37' 38.666 W
9,258.0	53.50	179.00	9,158.2	177.7	-392.9	393,230.08	759,982.44	32° 4' 44.769 N	103° 37' 38.644 W
9,353.0	64.40	175.80	9,207.1	96.5	-389.0	393,148.92	759,986.25	32° 4' 43.966 N	103° 37' 38.606 W
9,448.0	73.50	177.40	9,241.2	8.1	-383.8	393,060.51	759,991.47	32° 4' 43.091 N	103° 37' 38.552 W
9,543.0	82.70	179.90	9,260.8	-84.7	-381.7	392,967.68	759,993.62	32° 4' 42.172 N	103° 37' 38.534 W
9,638.0	90.20	179.70	9,266.7	-179.5	-381.3	392,872.93	759,993.95	32° 4' 41.234 N	103° 37' 38.537 W
9,663.0	91.00	179.00	9,266.4	-204.5	-381.1	392,847.94	759,994.24	32° 4' 40.987 N	103° 37' 38.536 W
9,759.0	90.00	177.40	9,265.6	-300.4	-378.0	392,751.99	759,997.25	32° 4' 40.037 N	103° 37' 38.508 W
9,854.0	90.50	176.70	9,265.2	-395.3	-373.2	392,657.12	760,002.14	32° 4' 39.098 N	103° 37' 38.458 W
9,949.0	89.60	176.30	9,265.1	-490.1	-367.4	392,562.30	760,007.94	32° 4' 38.160 N	103° 37' 38.398 W
10,044.0	88.50	178.50	9,266.6	-585.0	-363.0	392,467.42	760,012.25	32° 4' 37.220 N	103° 37' 38.355 W
10,139.0	89.30	177.60	9,268.5	-679.9	-359.8	392,372.49	760,015.48	32° 4' 36.281 N	103° 37' 38.325 W
10,234.0	89.30	178.60	9,269.6	-774.8	-356.7	392,277.55	760,018.63	32° 4' 35.341 N	103° 37' 38.295 W
10,329.0	89.10	180.90	9,271.0	-869.8	-356.3	392,182.57	760,019.04	32° 4' 34.401 N	103° 37' 38.298 W
10,424.0	89.90	180.60	9,271.8	-964.8	-357.5	392,087.58	760,017.80	32° 4' 33.461 N	103° 37' 38.320 W
10,519.0	90.10	181.10	9,271.8	-1,059.8	-358.9	391,992.59	760,016.39	32° 4' 32.522 N	103° 37' 38.343 W
10,614.0	92.00	180.90	9,270.0	-1,154.8	-360.6	391,897.63	760,014.73	32° 4' 31.582 N	103° 37' 38.370 W
10,709.0	90.50	180.90	9,268.0	-1,249.7	-362.1	391,802.66	760,013.24	32° 4' 30.642 N	103° 37' 38.394 W
10,802.0	88.70	179.90	9,268.6	-1,342.7	-362.7	391,709.67	760,012.59	32° 4' 29.722 N	103° 37' 38.409 W
10,897.0	88.20	179.00	9,271.2	-1,437.7	-361.8	391,614.71	760,013.50	32° 4' 28.782 N	103° 37' 38.405 W
10,992.0	89.40	180.90	9,273.2	-1,532.7	-361.7	391,519.74	760,013.59	32° 4' 27.843 N	103° 37' 38.412 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #41H
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 #41H	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
11,087.0	90.30	179.90	9,273.4	-1,627.7	-362.4	391,424.75	760,012.92	32° 4' 26.903 N	103° 37' 38.427 W
11,182.0	89.30	178.80	9,273.8	-1,722.6	-361.3	391,329.76	760,014.00	32° 4' 25.963 N	103° 37' 38.421 W
11,278.0	89.70	178.50	9,274.6	-1,818.6	-359.0	391,233.79	760,016.26	32° 4' 25.013 N	103° 37' 38.402 W
11,373.0	88.60	179.90	9,276.0	-1,913.6	-357.7	391,138.81	760,017.59	32° 4' 24.073 N	103° 37' 38.394 W
11,467.0	89.70	179.70	9,277.4	-2,007.6	-357.4	391,044.82	760,017.92	32° 4' 23.143 N	103° 37' 38.398 W
11,562.0	90.70	179.70	9,277.1	-2,102.6	-356.9	390,949.82	760,018.42	32° 4' 22.203 N	103° 37' 38.399 W
11,657.0	89.20	180.70	9,277.2	-2,197.6	-357.2	390,854.83	760,018.08	32° 4' 21.263 N	103° 37' 38.410 W
11,752.0	90.60	181.30	9,277.3	-2,292.6	-358.9	390,759.85	760,016.43	32° 4' 20.323 N	103° 37' 38.437 W
11,847.0	89.10	180.70	9,277.6	-2,387.5	-360.5	390,664.86	760,014.77	32° 4' 19.383 N	103° 37' 38.463 W
11,943.0	90.00	179.70	9,278.3	-2,483.5	-360.9	390,568.87	760,014.43	32° 4' 18.433 N	103° 37' 38.474 W
12,038.0	90.80	179.30	9,277.7	-2,578.5	-360.0	390,473.88	760,015.26	32° 4' 17.493 N	103° 37' 38.472 W
12,133.0	89.60	179.20	9,277.3	-2,673.5	-358.8	390,378.89	760,016.50	32° 4' 16.553 N	103° 37' 38.465 W
12,228.0	90.30	179.50	9,277.4	-2,768.5	-357.7	390,283.89	760,017.58	32° 4' 15.613 N	103° 37' 38.459 W
12,323.0	91.40	178.50	9,276.0	-2,863.5	-356.1	390,188.92	760,019.24	32° 4' 14.673 N	103° 37' 38.447 W
12,418.0	89.10	178.60	9,275.6	-2,958.4	-353.7	390,093.96	760,021.64	32° 4' 13.733 N	103° 37' 38.427 W
12,513.0	88.50	176.90	9,277.6	-3,053.3	-349.9	389,999.06	760,025.37	32° 4' 12.794 N	103° 37' 38.390 W
12,608.0	90.60	177.00	9,278.3	-3,148.2	-344.9	389,904.20	760,030.43	32° 4' 11.855 N	103° 37' 38.339 W
12,703.0	90.10	178.60	9,277.7	-3,243.1	-341.2	389,809.28	760,034.07	32° 4' 10.915 N	103° 37' 38.304 W
12,798.0	90.70	178.50	9,277.1	-3,338.1	-338.8	389,714.31	760,036.48	32° 4' 9.975 N	103° 37' 38.283 W
12,893.0	88.00	180.90	9,278.2	-3,433.1	-338.3	389,619.33	760,036.98	32° 4' 9.036 N	103° 37' 38.284 W
12,988.0	88.50	181.60	9,281.1	-3,528.0	-340.4	389,524.40	760,034.90	32° 4' 8.096 N	103° 37' 38.316 W
13,083.0	89.20	180.20	9,283.0	-3,623.0	-341.9	389,429.43	760,033.41	32° 4' 7.157 N	103° 37' 38.340 W
13,178.0	90.50	181.40	9,283.2	-3,718.0	-343.2	389,334.45	760,032.09	32° 4' 6.217 N	103° 37' 38.363 W
13,273.0	92.70	181.80	9,280.6	-3,812.9	-345.9	389,239.53	760,029.43	32° 4' 5.278 N	103° 37' 38.401 W
13,368.0	90.30	180.90	9,278.1	-3,907.8	-348.1	389,144.59	760,027.20	32° 4' 4.338 N	103° 37' 38.434 W
13,463.0	89.90	180.70	9,277.9	-4,002.8	-349.4	389,049.60	760,025.87	32° 4' 3.398 N	103° 37' 38.457 W
13,558.0	91.10	181.10	9,277.1	-4,097.8	-350.9	388,954.62	760,024.38	32° 4' 2.459 N	103° 37' 38.481 W
13,653.0	89.20	180.40	9,276.8	-4,192.8	-352.2	388,859.63	760,023.14	32° 4' 1.519 N	103° 37' 38.503 W
13,748.0	89.20	179.90	9,278.2	-4,287.8	-352.4	388,764.64	760,022.89	32° 4' 0.579 N	103° 37' 38.513 W
13,843.0	90.50	179.90	9,278.4	-4,382.8	-352.2	388,669.65	760,023.05	32° 3' 59.639 N	103° 37' 38.518 W
13,938.0	89.20	179.20	9,278.7	-4,477.7	-351.5	388,574.65	760,023.80	32° 3' 58.699 N	103° 37' 38.517 W
14,033.0	88.80	178.80	9,280.3	-4,572.7	-349.8	388,479.68	760,025.46	32° 3' 57.759 N	103° 37' 38.505 W
14,128.0	90.00	179.70	9,281.3	-4,667.7	-348.6	388,384.70	760,026.70	32° 3' 56.819 N	103° 37' 38.498 W
14,223.0	88.60	179.50	9,282.5	-4,762.7	-347.9	388,289.71	760,027.36	32° 3' 55.879 N	103° 37' 38.497 W
14,319.0	88.60	178.80	9,284.8	-4,858.6	-346.5	388,193.75	760,028.79	32° 3' 54.929 N	103° 37' 38.488 W
14,414.0	90.10	179.00	9,285.9	-4,953.6	-344.7	388,098.78	760,030.61	32° 3' 53.989 N	103° 37' 38.474 W
14,509.0	88.20	177.60	9,287.3	-5,048.6	-341.9	388,003.83	760,033.43	32° 3' 53.049 N	103° 37' 38.448 W
14,604.0	87.00	176.50	9,291.3	-5,143.4	-337.0	387,909.05	760,038.31	32° 3' 52.111 N	103° 37' 38.399 W
14,699.0	88.00	176.00	9,295.4	-5,238.1	-330.8	387,814.34	760,044.52	32° 3' 51.174 N	103° 37' 38.334 W
14,794.0	90.30	176.20	9,296.8	-5,332.8	-324.3	387,719.58	760,050.98	32° 3' 50.235 N	103° 37' 38.266 W
14,889.0	88.70	177.40	9,297.7	-5,427.7	-319.0	387,624.74	760,056.28	32° 3' 49.297 N	103° 37' 38.212 W
14,984.0	89.70	177.90	9,299.0	-5,522.6	-315.1	387,529.83	760,060.18	32° 3' 48.357 N	103° 37' 38.174 W
15,078.0	88.80	178.80	9,300.2	-5,616.5	-312.4	387,435.88	760,062.88	32° 3' 47.427 N	103° 37' 38.149 W
15,173.0	89.90	178.60	9,301.3	-5,711.5	-310.3	387,340.91	760,065.04	32° 3' 46.487 N	103° 37' 38.132 W
15,268.0	90.20	178.10	9,301.2	-5,806.5	-307.5	387,245.95	760,067.77	32° 3' 45.548 N	103° 37' 38.107 W
15,362.0	90.00	180.40	9,301.0	-5,900.4	-306.3	387,151.96	760,069.00	32° 3' 44.617 N	103° 37' 38.100 W
15,457.0	88.50	180.20	9,302.3	-5,995.4	-306.8	387,056.97	760,068.51	32° 3' 43.677 N	103° 37' 38.113 W
15,552.0	89.60	179.50	9,303.9	-6,090.4	-306.5	386,961.99	760,068.76	32° 3' 42.738 N	103° 37' 38.117 W
15,647.0	90.60	179.00	9,303.7	-6,185.4	-305.3	386,867.00	760,070.00	32° 3' 41.797 N	103° 37' 38.110 W
15,742.0	89.90	180.60	9,303.3	-6,280.4	-305.0	386,772.00	760,070.33	32° 3' 40.857 N	103° 37' 38.113 W
15,837.0	92.00	182.70	9,301.7	-6,375.3	-307.7	386,677.07	760,067.60	32° 3' 39.918 N	103° 37' 38.152 W
15,933.0	89.80	181.80	9,300.2	-6,471.2	-311.5	386,581.16	760,063.83	32° 3' 38.969 N	103° 37' 38.203 W
16,027.0	88.10	181.30	9,301.9	-6,565.2	-314.0	386,487.21	760,061.29	32° 3' 38.040 N	103° 37' 38.240 W
16,122.0	89.00	181.40	9,304.3	-6,660.1	-316.2	386,392.27	760,059.05	32° 3' 37.101 N	103° 37' 38.273 W
16,217.0	89.70	181.30	9,305.4	-6,755.1	-318.5	386,297.30	760,056.81	32° 3' 36.161 N	103° 37' 38.306 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #41H
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 #41H	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
16,312.0	87.80	180.70	9,307.5	-6,850.1	-320.1	386,202.35	760,055.15	32° 3' 35.221 N	103° 37' 38.333 W
16,407.0	87.80	180.40	9,311.1	-6,945.0	-321.1	386,107.42	760,054.24	32° 3' 34.282 N	103° 37' 38.351 W
16,502.0	88.50	180.00	9,314.2	-7,039.9	-321.4	386,012.47	760,053.91	32° 3' 33.342 N	103° 37' 38.362 W
16,597.0	90.80	180.70	9,314.8	-7,134.9	-322.0	385,917.48	760,053.33	32° 3' 32.403 N	103° 37' 38.376 W
16,692.0	89.50	180.60	9,314.5	-7,229.9	-323.0	385,822.49	760,052.25	32° 3' 31.463 N	103° 37' 38.396 W
16,787.0	87.20	179.90	9,317.3	-7,324.9	-323.5	385,727.54	760,051.84	32° 3' 30.523 N	103° 37' 38.408 W
16,882.0	87.20	179.20	9,321.9	-7,419.7	-322.7	385,632.66	760,052.58	32° 3' 29.584 N	103° 37' 38.406 W
16,977.0	89.10	180.00	9,325.0	-7,514.7	-322.1	385,537.71	760,053.25	32° 3' 28.645 N	103° 37' 38.406 W
17,073.0	88.50	179.30	9,327.0	-7,610.7	-321.5	385,441.74	760,053.83	32° 3' 27.695 N	103° 37' 38.406 W
17,168.0	89.40	178.60	9,328.7	-7,705.6	-319.7	385,346.77	760,055.57	32° 3' 26.755 N	103° 37' 38.393 W
17,263.0	91.10	179.00	9,328.3	-7,800.6	-317.7	385,251.79	760,057.56	32° 3' 25.815 N	103° 37' 38.377 W
17,358.0	90.70	178.80	9,326.8	-7,895.6	-315.9	385,156.82	760,059.39	32° 3' 24.875 N	103° 37' 38.363 W
17,453.0	91.50	178.60	9,325.0	-7,990.5	-313.8	385,061.87	760,061.54	32° 3' 23.935 N	103° 37' 38.345 W
17,548.0	92.70	178.30	9,321.5	-8,085.4	-311.2	384,966.97	760,064.11	32° 3' 22.996 N	103° 37' 38.323 W
17,643.0	90.70	179.00	9,318.7	-8,180.4	-309.0	384,872.04	760,066.35	32° 3' 22.056 N	103° 37' 38.304 W
17,738.0	88.50	179.20	9,319.4	-8,275.3	-307.5	384,777.06	760,067.84	32° 3' 21.117 N	103° 37' 38.294 W
17,833.0	88.90	178.80	9,321.5	-8,370.3	-305.8	384,682.10	760,069.49	32° 3' 20.177 N	103° 37' 38.282 W
17,928.0	88.70	177.80	9,323.5	-8,465.2	-303.0	384,587.16	760,072.31	32° 3' 19.237 N	103° 37' 38.256 W
18,023.0	89.30	178.30	9,325.2	-8,560.2	-299.8	384,492.23	760,075.54	32° 3' 18.297 N	103° 37' 38.226 W
18,119.0	90.50	177.80	9,325.3	-8,656.1	-296.5	384,396.29	760,078.81	32° 3' 17.348 N	103° 37' 38.195 W
18,214.0	88.60	177.90	9,326.1	-8,751.0	-292.9	384,301.37	760,082.37	32° 3' 16.408 N	103° 37' 38.161 W
18,309.0	89.80	177.40	9,327.4	-8,845.9	-289.0	384,206.46	760,086.27	32° 3' 15.469 N	103° 37' 38.123 W
18,404.0	89.30	179.50	9,328.1	-8,940.9	-286.5	384,111.50	760,088.84	32° 3' 14.529 N	103° 37' 38.100 W
18,499.0	89.40	179.90	9,329.2	-9,035.9	-286.0	384,016.51	760,089.34	32° 3' 13.589 N	103° 37' 38.102 W
18,594.0	88.20	178.60	9,331.2	-9,130.9	-284.7	383,921.54	760,090.58	32° 3' 12.649 N	103° 37' 38.095 W
18,689.0	90.00	178.60	9,332.7	-9,225.8	-282.4	383,826.59	760,092.90	32° 3' 11.709 N	103° 37' 38.075 W
18,784.0	90.30	177.90	9,332.5	-9,320.8	-279.5	383,731.63	760,095.80	32° 3' 10.770 N	103° 37' 38.048 W
18,879.0	91.40	178.10	9,331.0	-9,415.7	-276.2	383,636.70	760,099.12	32° 3' 9.830 N	103° 37' 38.017 W
18,974.0	89.20	179.20	9,330.5	-9,510.7	-273.9	383,541.74	760,101.35	32° 3' 8.890 N	103° 37' 37.998 W
19,069.0	88.90	179.20	9,332.1	-9,605.6	-272.6	383,446.76	760,102.68	32° 3' 7.950 N	103° 37' 37.990 W
19,164.0	90.10	179.20	9,332.9	-9,700.6	-271.3	383,351.77	760,104.01	32° 3' 7.010 N	103° 37' 37.982 W
19,259.0	90.90	179.20	9,332.1	-9,795.6	-270.0	383,256.79	760,105.33	32° 3' 6.070 N	103° 37' 37.974 W
19,354.0	92.20	178.80	9,329.6	-9,890.6	-268.3	383,161.84	760,106.99	32° 3' 5.130 N	103° 37' 37.962 W
19,449.0	92.70	178.10	9,325.5	-9,985.4	-265.7	383,066.96	760,109.56	32° 3' 4.191 N	103° 37' 37.939 W
19,545.0	93.10	177.80	9,320.6	-10,081.3	-262.3	382,971.14	760,112.99	32° 3' 3.243 N	103° 37' 37.907 W
19,620.0	93.90	177.40	9,316.1	-10,156.0	-259.2	382,896.35	760,116.12	32° 3' 2.503 N	103° 37' 37.876 W
19,644.6	93.90	177.40	9,314.4	-10,180.6	-258.1	382,871.83	760,117.24	32° 3' 2.260 N	103° 37' 37.865 W
100' HL Crossed @ 19644.6' MD / 9314.4' TVD									
19,677.0	93.90	177.40	9,312.2	-10,212.9	-256.6	382,839.54	760,118.70	32° 3' 1.940 N	103° 37' 37.850 W
TD @ 19677.0' MD / 9312.2' TVD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
169.0	169.0	-0.7	0.1	First MWD Survey @ 169.0' MD / 169.0' TVD
5,826.3	5,803.5	325.2	-308.4	100' HL Crossed @ 5826.3' MD / 5803.5' TVD
9,040.5	8,999.4	324.1	-400.2	100' HL Crossed @ 9040.5' MD / 8999.4' TVD
19,644.6	9,314.4	-10,180.6	-258.1	100' HL Crossed @ 19644.6' MD / 9314.4' TVD
19,677.0	9,312.2	-10,212.9	-256.6	TD @ 19677.0' MD / 9312.2' TVD



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #41H
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 #41H	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 / 32.078607 / -103.626136	County or Parish/State: LEA / NM
Well Number: 41H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14492	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254690400X1	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: 01:50
Date Operation Actually Began: 11/25/2020	

Actual Procedure: TD @19,677 ' REACHED: 04/14/2020. PBTD: 19,673'. 11/25/2020 THRU 12/18/2020: PERFORATE AND FRAC UPPER WOLFCAMP: 9,500' - 19,640' WITH 577,882 TOTAL FLUID; 24.38MM#’S 100 MESH SAND. 01/02/2021: COMPLETE DRILLOUT. 01/21/2021: 2 7/8" L-80 TUBING @ 8,810' ASIX PACKER @ 8,797' 01/23/2021: START FLOWING BACK AND TESTING.

Operator Certification

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

Operator Electronic Signature: REDDELL	Signed on: FEB 24, 2021 01:50 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 / 32.078607 / -103.626136

County or Parish/State: LEA /
NM

Well Number: 41H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM14492

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254690400X1

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								1. WELL API NO. 30-025-46904		
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)								2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN		
								3. State Oil & Gas Lease No. NMNM14492		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								5. Lease Name or Unit Agreement Name MESA 8105 1-12 FED		
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		1142		17 1/2		990		
9 5/8		40		4883		12 1/4		1335		
5 1/2		20		19677		8 3/4		2985		
5		18		19677		8 3/4		2930		
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' – 19640'						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9500 - 19640		577,842 Bbbls Total Fluid; 24,376,725 #s sand.		
28. PRODUCTION										
Date First Production 3/23/2021		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 560	Gas - MCF 1204	Water - Bbl. 1751		Gas - Oil Ratio		
Flow Tubing Press. 610	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 560	Gas - MCF 1204	Water - Bbl. 1751		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 4834	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 4808	T. Morrison	
T. Drinkard	T. Bone Springs 9030	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
------	----	----------------------	-----------	------	----	----------------------	-----------

--	--	--	--	--	--	--	--	--

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 22254

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 22254
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☐	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☐	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 22254

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 22254
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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