

<b>Well Name:</b> MAXUS 8026 FED	<b>Well Location:</b> T22S / R34E / SEC 34 / NWNW / 32.354707 / -103.463183	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM019143, NMNM19143	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3002546813	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> BTA OIL PRODUCERS LLC

**Notice of Intent**

**Type of Submission:** Notice of Intent

**Type of Action:** Other

**Date Sundry Submitted:** 02/19/2021

**Time Sundry Submitted:** 08:58

**Date proposed operation will begin:** 02/18/2021

**Procedure Description:** BTA Oil Producers LLC respectfully requests the following footage, casing depth, and drill plan changes to the original APD as approved. Please see attachment documents for more details OLD FOOTAGES: SHL: 260' FNL & 1020'FWL (NO CHANGE) FTP: 100' FNL & 380'FWL LTP: 2540' FNL & 380'FWL BHL: 2590' FNL & 380'FWL NEW FOOTAGES FTP: 100' FNL & 660' FWL LTP: 2540' FNL & 660' FWL BHL: 2590' FNL & 660' FWL

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

Maxus\_1H\_Revised\_Drill\_Plan\_for\_BLM\_Sundry\_20210219085427.pdf

Maxus\_01H\_Wall\_plot\_NEW\_20210219085412.pdf

Maxus\_01H\_directional\_plan\_NEW\_20210219085411.pdf

Signed\_Revised\_c102\_Maxus\_1H\_20210219085336.pdf

**Well Name:** MAXUS 8026 FED

**Well Location:** T22S / R34E / SEC 34 /  
NWNW / 32.354707 / -103.463183

**County or Parish/State:** LEA /  
NM

**Well Number:** 1H

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM019143,  
NMNM19143

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 3002546813

**Well Status:** Approved Application for  
Permit to Drill

**Operator:** BTA OIL  
PRODUCERS LLC

### Conditions of Approval

#### Additional Reviews

MAXUS\_8026\_FED\_1H\_Drilling\_1515878\_COA\_OTA\_20210304110730.pdf

### 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:** HAJAR

**Signed on:** FEB 19, 2021 08:58 AM

**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:**

### BLM Point of Contact

**BLM POC Name:** CHRISTOPHER WALLS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752342234

**BLM POC Email Address:** cwalls@blm.gov

**Disposition:** Approved

**Disposition Date:** 03/19/2021

**Signature:** Chris Walls

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>BTA Oil Producers LLC</b>
<b>LEASE NO.:</b>	<b>NMNM019143</b>
<b>WELL NAME &amp; NO.:</b>	<b>MAXUS 8026 FED 1H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>260'/N &amp; 1020'/W</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>2590'/N &amp; 660'/W</b>
<b>LOCATION:</b>	<b>Section 34, T.22 S., R.34 E., NMPM</b>
<b>COUNTY:</b>	<b>Lea County, New Mexico</b>

COA

H2S	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input checked="" type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

**All Previous COAs Still Apply.**

### A. CASING

**Casing Design:**

1. The **13-3/8** inch surface casing shall be set at approximately **1700** feet (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength,

whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

**Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.**

2. The **9-5/8** inch intermediate casing shall be set at approximately **5587** feet. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
  - ❖ In Capitan Reef Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
  - ❖ **Special Capitan Reef requirements.** If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:  
**(Use this for 3 string wells in the Capitan Reef, if 4 string well ensure FW based mud used across the capitan interval)**
    - Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
    - Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
  - Cement should tie-back at least **50 feet** on top of Capitan Reef top. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

## **B. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

**OTA03042021**

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  
**OJO CHISO; BONE  
SPRING, SOUTH**

WELL LOCATION AND ACREAGE DEDICATION PLAT

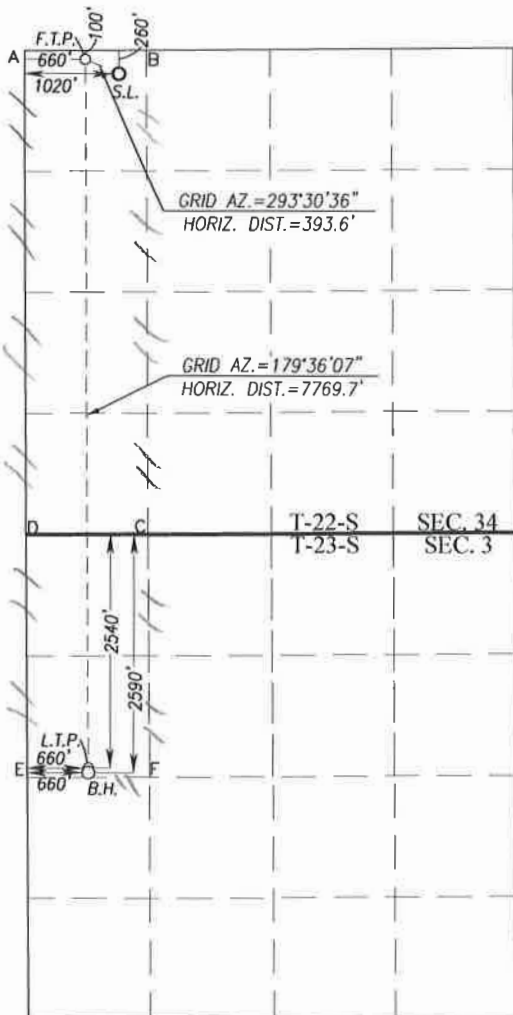
API Number 30-025-46813	Pool Code <del>97293</del> 97293	Pool Name <del>Antelope Ridge, Bone Spring</del>
Property Code 327072	Property Name MAXUS 8026 FED	Well Number 1H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3402'

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	22-S	34-E		260	NORTH	1020	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	3	23-S	34-E		2590	NORTH	660	WEST	LEA
Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



SCALE: 1"=2000'

<b>GEODETTIC COORDINATES</b> NAD 83 NME SURFACE LOCATION Y= 493866.1 N X= 810034.7 E LAT.=32.354707° N LONG.=103.463183° W	<b>GEODETTIC COORDINATES</b> NAD 27 NME SURFACE LOCATION Y= 493805.9 N X= 768851.3 E LAT.=32.354583° N LONG.=103.462703° W
<b>FIRST TAKE POINT</b> NAD 83 NME Y= 494023.1 N X= 809673.8 E LAT.=32.355146° N LONG.=103.464347° W	<b>FIRST TAKE POINT</b> NAD 27 NME Y= 493962.9 N X= 768490.5 E LAT.=32.355022° N LONG.=103.463868° W

CORNER COORDINATES TABLE  
NAD 27 NME

A - Y= 494057.4 N, X= 767830.0 E
B - Y= 494068.1 N, X= 769150.2 E
C - Y= 488789.6 N, X= 769181.5 E
D - Y= 488778.9 N, X= 767861.0 E
E - Y= 486138.2 N, X= 767884.9 E
F - Y= 486147.7 N, X= 769204.6 E

CORNER COORDINATES TABLE  
NAD 83 NME

A - Y= 494117.6 N, X= 809013.3 E
B - Y= 494128.3 N, X= 810333.6 E
C - Y= 488849.7 N, X= 810365.0 E
D - Y= 488839.0 N, X= 809044.4 E
E - Y= 486198.2 N, X= 809068.4 E
F - Y= 486207.7 N, X= 810388.1 E

<b>LAST TAKE POINT</b> NAD 83 NME Y= 486304.9 N X= 809727.3 E LAT.=32.333931° N LONG.=103.464377° W	<b>LAST TAKE POINT</b> NAD 27 NME Y= 486244.9 N X= 768543.8 E LAT.=32.333807° N LONG.=103.463898° W
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<b>BOTTOM HOLE LOCATION</b> NAD 83 NME Y= 486254.9 N X= 809727.8 E LAT.=32.333794° N LONG.=103.464376° W	<b>BOTTOM HOLE LOCATION</b> NAD 27 NME Y= 486194.9 N X= 768544.3 E LAT.=32.333670° N LONG.=103.463898° W
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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.

Signature: *Sammy Hajar* Date: 2/3/2021  
Printed Name: **Sammy Hajar**  
E-mail Address: **SHAJAR@BTAOIL.COM**

SURVEYOR CERTIFICATION

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

Date of Survey: 12/22/2020  
Signature: *Ronald J. Eidson*  
Certificate Number: Gary G. Eidson 12641, Ronald J. Eidson 3239  
LSL Rel. W.O.: 19 11 0172 JWSC W.O.: 20 13 0575

# **BTA Oil Producers, LLC**

**Lea County, NM (NAD 83)**

**Maxus**

**Maxus #01H**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report - Geographic**

**25 January, 2021**

**Microsoft**  
 Planning Report - Geographic

<b>Database:</b>	EDM16	<b>Local Co-ordinate Reference:</b>	Well Maxus #01H
<b>Company:</b>	BTA Oil Producers, LLC	<b>TVD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Project:</b>	Lea County, NM (NAD 83)	<b>MD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Site:</b>	Maxus	<b>North Reference:</b>	Grid
<b>Well:</b>	Maxus #01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Lea County, NM (NAD 83), Lea County, NM		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		Using geodetic scale factor

<b>Site</b>	Maxus				
<b>Site Position:</b>		<b>Northing:</b>	486,041.54 usft	<b>Latitude:</b>	32° 19' 59.511 N
<b>From:</b>	Map	<b>Easting:</b>	810,169.59 usft	<b>Longitude:</b>	103° 27' 46.626 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Maxus #01H					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	493,866.10 usft	<b>Latitude:</b>	32° 21' 16.944 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	810,034.70 usft	<b>Longitude:</b>	103° 27' 47.457 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	0.0 usft	<b>Ground Level:</b>	3,402.0 usft
<b>Grid Convergence:</b>		0.47 °				

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/31/2009	7.71	60.38	48,884.79024798

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	182.31

<b>Plan Survey Tool Program</b>	<b>Date</b>	1/25/2021		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.0	18,013.1 Design #1 (Wellbore #1)		



**Microsoft**  
 Planning Report - Geographic

<b>Database:</b>	EDM16	<b>Local Co-ordinate Reference:</b>	Well Maxus #01H
<b>Company:</b>	BTA Oil Producers, LLC	<b>TVD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Project:</b>	Lea County, NM (NAD 83)	<b>MD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Site:</b>	Maxus	<b>North Reference:</b>	Grid
<b>Well:</b>	Maxus #01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,350.0	7.00	303.69	2,349.1	11.8	-17.8	2.00	2.00	0.00	303.69	
5,549.8	7.00	303.69	5,525.1	228.2	-342.2	0.00	0.00	0.00	0.00	
5,899.8	0.00	0.00	5,874.2	240.0	-360.0	2.00	-2.00	0.00	180.00	
9,784.6	0.00	0.00	9,759.0	240.0	-360.0	0.00	0.00	0.00	0.00	
9,834.6	0.00	0.00	9,809.0	240.0	-360.0	0.00	0.00	0.00	0.00	
10,734.6	90.00	179.61	10,382.0	-332.9	-356.1	10.00	10.00	0.00	179.61	
18,013.1	90.00	179.61	10,382.0	-7,611.3	-306.9	0.00	0.00	0.00	0.00	Maxus 1H BHL

**Microsoft**  
 Planning Report - Geographic

<b>Database:</b>	EDM16	<b>Local Co-ordinate Reference:</b>	Well Maxus #01H
<b>Company:</b>	BTA Oil Producers, LLC	<b>TVD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Project:</b>	Lea County, NM (NAD 83)	<b>MD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Site:</b>	Maxus	<b>North Reference:</b>	Grid
<b>Well:</b>	Maxus #01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
100.0	0.00	0.00	100.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
200.0	0.00	0.00	200.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
300.0	0.00	0.00	300.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
400.0	0.00	0.00	400.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
500.0	0.00	0.00	500.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
600.0	0.00	0.00	600.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
700.0	0.00	0.00	700.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
800.0	0.00	0.00	800.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
900.0	0.00	0.00	900.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	493,866.10	810,034.70	32° 21' 16.944 N	103° 27' 47.457 W	
2,100.0	2.00	303.69	2,100.0	1.0	-1.5	493,867.07	810,033.25	32° 21' 16.954 N	103° 27' 47.474 W	
2,200.0	4.00	303.69	2,199.8	3.9	-5.8	493,869.97	810,028.89	32° 21' 16.983 N	103° 27' 47.525 W	
2,300.0	6.00	303.69	2,299.5	8.7	-13.1	493,874.81	810,021.64	32° 21' 17.031 N	103° 27' 47.609 W	
2,350.0	7.00	303.69	2,349.1	11.8	-17.8	493,877.95	810,016.93	32° 21' 17.063 N	103° 27' 47.663 W	
2,400.0	7.00	303.69	2,398.8	15.2	-22.8	493,881.33	810,011.86	32° 21' 17.097 N	103° 27' 47.722 W	
2,500.0	7.00	303.69	2,498.0	22.0	-33.0	493,888.09	810,001.72	32° 21' 17.164 N	103° 27' 47.840 W	
2,600.0	7.00	303.69	2,597.3	28.7	-43.1	493,894.85	809,991.58	32° 21' 17.232 N	103° 27' 47.957 W	
2,700.0	7.00	303.69	2,696.5	35.5	-53.3	493,901.61	809,981.44	32° 21' 17.300 N	103° 27' 48.075 W	
2,800.0	7.00	303.69	2,795.8	42.3	-63.4	493,908.37	809,971.30	32° 21' 17.368 N	103° 27' 48.192 W	
2,900.0	7.00	303.69	2,895.0	49.0	-73.5	493,915.13	809,961.16	32° 21' 17.435 N	103° 27' 48.310 W	
3,000.0	7.00	303.69	2,994.3	55.8	-83.7	493,921.89	809,951.02	32° 21' 17.503 N	103° 27' 48.427 W	
3,100.0	7.00	303.69	3,093.5	62.5	-93.8	493,928.65	809,940.88	32° 21' 17.571 N	103° 27' 48.545 W	
3,200.0	7.00	303.69	3,192.8	69.3	-104.0	493,935.41	809,930.74	32° 21' 17.638 N	103° 27' 48.663 W	
3,300.0	7.00	303.69	3,292.0	76.1	-114.1	493,942.17	809,920.60	32° 21' 17.706 N	103° 27' 48.780 W	
3,400.0	7.00	303.69	3,391.3	82.8	-124.2	493,948.93	809,910.46	32° 21' 17.774 N	103° 27' 48.898 W	
3,500.0	7.00	303.69	3,490.6	89.6	-134.4	493,955.69	809,900.32	32° 21' 17.841 N	103° 27' 49.015 W	
3,600.0	7.00	303.69	3,589.8	96.3	-144.5	493,962.45	809,890.18	32° 21' 17.909 N	103° 27' 49.133 W	
3,700.0	7.00	303.69	3,689.1	103.1	-154.7	493,969.21	809,880.04	32° 21' 17.977 N	103° 27' 49.250 W	
3,800.0	7.00	303.69	3,788.3	109.9	-164.8	493,975.97	809,869.90	32° 21' 18.045 N	103° 27' 49.368 W	
3,900.0	7.00	303.69	3,887.6	116.6	-174.9	493,982.73	809,859.76	32° 21' 18.112 N	103° 27' 49.486 W	
4,000.0	7.00	303.69	3,986.8	123.4	-185.1	493,989.49	809,849.62	32° 21' 18.180 N	103° 27' 49.603 W	
4,100.0	7.00	303.69	4,086.1	130.1	-195.2	493,996.25	809,839.48	32° 21' 18.248 N	103° 27' 49.721 W	
4,200.0	7.00	303.69	4,185.3	136.9	-205.4	494,003.01	809,829.34	32° 21' 18.315 N	103° 27' 49.838 W	
4,300.0	7.00	303.69	4,284.6	143.7	-215.5	494,009.77	809,819.20	32° 21' 18.383 N	103° 27' 49.956 W	
4,400.0	7.00	303.69	4,383.8	150.4	-225.6	494,016.53	809,809.06	32° 21' 18.451 N	103° 27' 50.073 W	
4,500.0	7.00	303.69	4,483.1	157.2	-235.8	494,023.29	809,798.92	32° 21' 18.519 N	103° 27' 50.191 W	
4,600.0	7.00	303.69	4,582.4	163.9	-245.9	494,030.05	809,788.78	32° 21' 18.586 N	103° 27' 50.309 W	
4,700.0	7.00	303.69	4,681.6	170.7	-256.1	494,036.81	809,778.64	32° 21' 18.654 N	103° 27' 50.426 W	
4,800.0	7.00	303.69	4,780.9	177.5	-266.2	494,043.57	809,768.50	32° 21' 18.722 N	103° 27' 50.544 W	
4,900.0	7.00	303.69	4,880.1	184.2	-276.3	494,050.33	809,758.36	32° 21' 18.789 N	103° 27' 50.661 W	
5,000.0	7.00	303.69	4,979.4	191.0	-286.5	494,057.09	809,748.22	32° 21' 18.857 N	103° 27' 50.779 W	
5,100.0	7.00	303.69	5,078.6	197.7	-296.6	494,063.85	809,738.08	32° 21' 18.925 N	103° 27' 50.896 W	
5,200.0	7.00	303.69	5,177.9	204.5	-306.8	494,070.61	809,727.94	32° 21' 18.992 N	103° 27' 51.014 W	
5,300.0	7.00	303.69	5,277.1	211.3	-316.9	494,077.37	809,717.80	32° 21' 19.060 N	103° 27' 51.131 W	

**Microsoft**  
 Planning Report - Geographic

<b>Database:</b>	EDM16	<b>Local Co-ordinate Reference:</b>	Well Maxus #01H
<b>Company:</b>	BTA Oil Producers, LLC	<b>TVD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Project:</b>	Lea County, NM (NAD 83)	<b>MD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Site:</b>	Maxus	<b>North Reference:</b>	Grid
<b>Well:</b>	Maxus #01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,400.0	7.00	303.69	5,376.4	218.0	-327.0	494,084.13	809,707.66	32° 21' 19.128 N	103° 27' 51.249 W	
5,500.0	7.00	303.69	5,475.7	224.8	-337.2	494,090.89	809,697.52	32° 21' 19.196 N	103° 27' 51.367 W	
5,549.8	7.00	303.69	5,525.1	228.2	-342.2	494,094.25	809,692.47	32° 21' 19.229 N	103° 27' 51.425 W	
5,600.0	6.00	303.69	5,575.0	231.3	-347.0	494,097.40	809,687.74	32° 21' 19.261 N	103° 27' 51.480 W	
5,700.0	4.00	303.69	5,674.6	236.1	-354.2	494,102.24	809,680.50	32° 21' 19.309 N	103° 27' 51.564 W	
5,800.0	2.00	303.69	5,774.4	239.0	-358.6	494,105.13	809,676.15	32° 21' 19.338 N	103° 27' 51.614 W	
5,899.8	0.00	0.00	5,874.2	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
5,900.0	0.00	0.00	5,874.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,000.0	0.00	0.00	5,974.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,100.0	0.00	0.00	6,074.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,200.0	0.00	0.00	6,174.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,300.0	0.00	0.00	6,274.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,400.0	0.00	0.00	6,374.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,500.0	0.00	0.00	6,474.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,600.0	0.00	0.00	6,574.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,700.0	0.00	0.00	6,674.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,800.0	0.00	0.00	6,774.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
6,900.0	0.00	0.00	6,874.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,000.0	0.00	0.00	6,974.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,100.0	0.00	0.00	7,074.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,200.0	0.00	0.00	7,174.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,300.0	0.00	0.00	7,274.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,400.0	0.00	0.00	7,374.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,500.0	0.00	0.00	7,474.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,600.0	0.00	0.00	7,574.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,700.0	0.00	0.00	7,674.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,800.0	0.00	0.00	7,774.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
7,900.0	0.00	0.00	7,874.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,000.0	0.00	0.00	7,974.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,100.0	0.00	0.00	8,074.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,200.0	0.00	0.00	8,174.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,300.0	0.00	0.00	8,274.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,400.0	0.00	0.00	8,374.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,500.0	0.00	0.00	8,474.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,600.0	0.00	0.00	8,574.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,700.0	0.00	0.00	8,674.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,800.0	0.00	0.00	8,774.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
8,900.0	0.00	0.00	8,874.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,000.0	0.00	0.00	8,974.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,100.0	0.00	0.00	9,074.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,200.0	0.00	0.00	9,174.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,300.0	0.00	0.00	9,274.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,400.0	0.00	0.00	9,374.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,500.0	0.00	0.00	9,474.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,600.0	0.00	0.00	9,574.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,700.0	0.00	0.00	9,674.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,784.6	0.00	0.00	9,759.0	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,800.0	0.00	0.00	9,774.4	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,834.6	0.00	0.00	9,809.0	240.0	-360.0	494,106.10	809,674.70	32° 21' 19.348 N	103° 27' 51.631 W	
9,900.0	6.54	179.61	9,874.3	236.3	-360.0	494,102.37	809,674.73	32° 21' 19.311 N	103° 27' 51.631 W	
10,000.0	16.54	179.61	9,972.1	216.3	-359.8	494,082.40	809,674.86	32° 21' 19.113 N	103° 27' 51.632 W	
10,100.0	26.54	179.61	10,065.0	179.6	-359.6	494,045.74	809,675.11	32° 21' 18.751 N	103° 27' 51.632 W	
10,200.0	36.54	179.61	10,150.1	127.4	-359.2	493,993.50	809,675.46	32° 21' 18.234 N	103° 27' 51.633 W	
10,300.0	46.54	179.61	10,224.9	61.2	-358.8	493,927.28	809,675.91	32° 21' 17.578 N	103° 27' 51.634 W	
10,400.0	56.54	179.61	10,287.0	-17.0	-358.3	493,849.08	809,676.44	32° 21' 16.805 N	103° 27' 51.635 W	

**Microsoft**  
 Planning Report - Geographic

<b>Database:</b>	EDM16	<b>Local Co-ordinate Reference:</b>	Well Maxus #01H
<b>Company:</b>	BTA Oil Producers, LLC	<b>TVD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Project:</b>	Lea County, NM (NAD 83)	<b>MD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Site:</b>	Maxus	<b>North Reference:</b>	Grid
<b>Well:</b>	Maxus #01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,500.0	66.54	179.61	10,334.6	-104.8	-357.7	493,761.28	809,677.03	32° 21' 15.936 N	103° 27' 51.637 W	
10,600.0	76.54	179.61	10,366.3	-199.6	-357.0	493,666.55	809,677.67	32° 21' 14.998 N	103° 27' 51.638 W	
10,700.0	86.54	179.61	10,381.0	-298.3	-356.4	493,567.77	809,678.34	32° 21' 14.021 N	103° 27' 51.640 W	
10,734.6	90.00	179.61	10,382.0	-332.9	-356.1	493,533.16	809,678.58	32° 21' 13.679 N	103° 27' 51.640 W	
10,800.0	90.00	179.61	10,382.0	-398.3	-355.7	493,467.79	809,679.02	32° 21' 13.032 N	103° 27' 51.641 W	
10,900.0	90.00	179.61	10,382.0	-498.3	-355.0	493,367.80	809,679.69	32° 21' 12.042 N	103° 27' 51.643 W	
11,000.0	90.00	179.61	10,382.0	-598.3	-354.3	493,267.80	809,680.37	32° 21' 11.053 N	103° 27' 51.644 W	
11,100.0	90.00	179.61	10,382.0	-698.3	-353.7	493,167.80	809,681.05	32° 21' 10.063 N	103° 27' 51.646 W	
11,200.0	90.00	179.61	10,382.0	-798.3	-353.0	493,067.81	809,681.72	32° 21' 9.074 N	103° 27' 51.648 W	
11,300.0	90.00	179.61	10,382.0	-898.3	-352.3	492,967.81	809,682.40	32° 21' 8.084 N	103° 27' 51.649 W	
11,400.0	90.00	179.61	10,382.0	-998.3	-351.6	492,867.81	809,683.08	32° 21' 7.095 N	103° 27' 51.651 W	
11,500.0	90.00	179.61	10,382.0	-1,098.3	-350.9	492,767.82	809,683.75	32° 21' 6.105 N	103° 27' 51.652 W	
11,600.0	90.00	179.61	10,382.0	-1,198.3	-350.3	492,667.82	809,684.43	32° 21' 5.116 N	103° 27' 51.654 W	
11,700.0	90.00	179.61	10,382.0	-1,298.3	-349.6	492,567.82	809,685.10	32° 21' 4.126 N	103° 27' 51.655 W	
11,800.0	90.00	179.61	10,382.0	-1,398.3	-348.9	492,467.83	809,685.78	32° 21' 3.137 N	103° 27' 51.657 W	
11,900.0	90.00	179.61	10,382.0	-1,498.3	-348.2	492,367.83	809,686.46	32° 21' 2.147 N	103° 27' 51.659 W	
12,000.0	90.00	179.61	10,382.0	-1,598.3	-347.6	492,267.83	809,687.13	32° 21' 1.158 N	103° 27' 51.660 W	
12,100.0	90.00	179.61	10,382.0	-1,698.3	-346.9	492,167.83	809,687.81	32° 21' 0.168 N	103° 27' 51.662 W	
12,200.0	90.00	179.61	10,382.0	-1,798.3	-346.2	492,067.84	809,688.49	32° 20' 59.179 N	103° 27' 51.663 W	
12,300.0	90.00	179.61	10,382.0	-1,898.3	-345.5	491,967.84	809,689.16	32° 20' 58.189 N	103° 27' 51.665 W	
12,400.0	90.00	179.61	10,382.0	-1,998.3	-344.9	491,867.84	809,689.84	32° 20' 57.200 N	103° 27' 51.666 W	
12,500.0	90.00	179.61	10,382.0	-2,098.3	-344.2	491,767.85	809,690.51	32° 20' 56.210 N	103° 27' 51.668 W	
12,600.0	90.00	179.61	10,382.0	-2,198.3	-343.5	491,667.85	809,691.19	32° 20' 55.221 N	103° 27' 51.670 W	
12,700.0	90.00	179.61	10,382.0	-2,298.3	-342.8	491,567.85	809,691.87	32° 20' 54.231 N	103° 27' 51.671 W	
12,800.0	90.00	179.61	10,382.0	-2,398.3	-342.2	491,467.86	809,692.54	32° 20' 53.242 N	103° 27' 51.673 W	
12,900.0	90.00	179.61	10,382.0	-2,498.3	-341.5	491,367.86	809,693.22	32° 20' 52.252 N	103° 27' 51.674 W	
13,000.0	90.00	179.61	10,382.0	-2,598.3	-340.8	491,267.86	809,693.90	32° 20' 51.263 N	103° 27' 51.676 W	
13,100.0	90.00	179.61	10,382.0	-2,698.3	-340.1	491,167.87	809,694.57	32° 20' 50.273 N	103° 27' 51.678 W	
13,200.0	90.00	179.61	10,382.0	-2,798.3	-339.5	491,067.87	809,695.25	32° 20' 49.284 N	103° 27' 51.679 W	
13,300.0	90.00	179.61	10,382.0	-2,898.3	-338.8	490,967.87	809,695.92	32° 20' 48.294 N	103° 27' 51.681 W	
13,400.0	90.00	179.61	10,382.0	-2,998.3	-338.1	490,867.88	809,696.60	32° 20' 47.305 N	103° 27' 51.682 W	
13,500.0	90.00	179.61	10,382.0	-3,098.2	-337.4	490,767.88	809,697.28	32° 20' 46.315 N	103° 27' 51.684 W	
13,600.0	90.00	179.61	10,382.0	-3,198.2	-336.7	490,667.88	809,697.95	32° 20' 45.326 N	103° 27' 51.685 W	
13,700.0	90.00	179.61	10,382.0	-3,298.2	-336.1	490,567.88	809,698.63	32° 20' 44.336 N	103° 27' 51.687 W	
13,800.0	90.00	179.61	10,382.0	-3,398.2	-335.4	490,467.89	809,699.31	32° 20' 43.347 N	103° 27' 51.689 W	
13,900.0	90.00	179.61	10,382.0	-3,498.2	-334.7	490,367.89	809,699.98	32° 20' 42.357 N	103° 27' 51.690 W	
14,000.0	90.00	179.61	10,382.0	-3,598.2	-334.0	490,267.89	809,700.66	32° 20' 41.368 N	103° 27' 51.692 W	
14,100.0	90.00	179.61	10,382.0	-3,698.2	-333.4	490,167.90	809,701.33	32° 20' 40.378 N	103° 27' 51.693 W	
14,200.0	90.00	179.61	10,382.0	-3,798.2	-332.7	490,067.90	809,702.01	32° 20' 39.389 N	103° 27' 51.695 W	
14,300.0	90.00	179.61	10,382.0	-3,898.2	-332.0	489,967.90	809,702.69	32° 20' 38.399 N	103° 27' 51.696 W	
14,400.0	90.00	179.61	10,382.0	-3,998.2	-331.3	489,867.91	809,703.36	32° 20' 37.410 N	103° 27' 51.698 W	
14,500.0	90.00	179.61	10,382.0	-4,098.2	-330.7	489,767.91	809,704.04	32° 20' 36.420 N	103° 27' 51.700 W	
14,600.0	90.00	179.61	10,382.0	-4,198.2	-330.0	489,667.91	809,704.72	32° 20' 35.431 N	103° 27' 51.701 W	
14,700.0	90.00	179.61	10,382.0	-4,298.2	-329.3	489,567.92	809,705.39	32° 20' 34.441 N	103° 27' 51.703 W	
14,800.0	90.00	179.61	10,382.0	-4,398.2	-328.6	489,467.92	809,706.07	32° 20' 33.452 N	103° 27' 51.704 W	
14,900.0	90.00	179.61	10,382.0	-4,498.2	-328.0	489,367.92	809,706.74	32° 20' 32.462 N	103° 27' 51.706 W	
15,000.0	90.00	179.61	10,382.0	-4,598.2	-327.3	489,267.92	809,707.42	32° 20' 31.473 N	103° 27' 51.707 W	
15,100.0	90.00	179.61	10,382.0	-4,698.2	-326.6	489,167.93	809,708.10	32° 20' 30.483 N	103° 27' 51.709 W	
15,200.0	90.00	179.61	10,382.0	-4,798.2	-325.9	489,067.93	809,708.77	32° 20' 29.494 N	103° 27' 51.711 W	
15,300.0	90.00	179.61	10,382.0	-4,898.2	-325.3	488,967.93	809,709.45	32° 20' 28.504 N	103° 27' 51.712 W	
15,400.0	90.00	179.61	10,382.0	-4,998.2	-324.6	488,867.94	809,710.13	32° 20' 27.515 N	103° 27' 51.714 W	
15,500.0	90.00	179.61	10,382.0	-5,098.2	-323.9	488,767.94	809,710.80	32° 20' 26.525 N	103° 27' 51.715 W	
15,600.0	90.00	179.61	10,382.0	-5,198.2	-323.2	488,667.94	809,711.48	32° 20' 25.536 N	103° 27' 51.717 W	
15,700.0	90.00	179.61	10,382.0	-5,298.2	-322.5	488,567.95	809,712.16	32° 20' 24.546 N	103° 27' 51.718 W	
15,800.0	90.00	179.61	10,382.0	-5,398.2	-321.9	488,467.95	809,712.83	32° 20' 23.557 N	103° 27' 51.720 W	

**Microsoft**  
 Planning Report - Geographic

<b>Database:</b>	EDM16	<b>Local Co-ordinate Reference:</b>	Well Maxus #01H
<b>Company:</b>	BTA Oil Producers, LLC	<b>TVD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Project:</b>	Lea County, NM (NAD 83)	<b>MD Reference:</b>	WELL @ 3387.0usft (Original Well Elev)
<b>Site:</b>	Maxus	<b>North Reference:</b>	Grid
<b>Well:</b>	Maxus #01H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
15,900.0	90.00	179.61	10,382.0	-5,498.2	-321.2	488,367.95	809,713.51	32° 20' 22.567 N	103° 27' 51.722 W	
16,000.0	90.00	179.61	10,382.0	-5,598.2	-320.5	488,267.96	809,714.18	32° 20' 21.578 N	103° 27' 51.723 W	
16,100.0	90.00	179.61	10,382.0	-5,698.2	-319.8	488,167.96	809,714.86	32° 20' 20.588 N	103° 27' 51.725 W	
16,200.0	90.00	179.61	10,382.0	-5,798.2	-319.2	488,067.96	809,715.54	32° 20' 19.599 N	103° 27' 51.726 W	
16,300.0	90.00	179.61	10,382.0	-5,898.2	-318.5	487,967.97	809,716.21	32° 20' 18.609 N	103° 27' 51.728 W	
16,400.0	90.00	179.61	10,382.0	-5,998.2	-317.8	487,867.97	809,716.89	32° 20' 17.620 N	103° 27' 51.729 W	
16,500.0	90.00	179.61	10,382.0	-6,098.2	-317.1	487,767.97	809,717.57	32° 20' 16.630 N	103° 27' 51.731 W	
16,600.0	90.00	179.61	10,382.0	-6,198.2	-316.5	487,667.97	809,718.24	32° 20' 15.641 N	103° 27' 51.733 W	
16,700.0	90.00	179.61	10,382.0	-6,298.2	-315.8	487,567.98	809,718.92	32° 20' 14.651 N	103° 27' 51.734 W	
16,800.0	90.00	179.61	10,382.0	-6,398.2	-315.1	487,467.98	809,719.59	32° 20' 13.662 N	103° 27' 51.736 W	
16,900.0	90.00	179.61	10,382.0	-6,498.2	-314.4	487,367.98	809,720.27	32° 20' 12.672 N	103° 27' 51.737 W	
17,000.0	90.00	179.61	10,382.0	-6,598.2	-313.8	487,267.99	809,720.95	32° 20' 11.683 N	103° 27' 51.739 W	
17,100.0	90.00	179.61	10,382.0	-6,698.2	-313.1	487,167.99	809,721.62	32° 20' 10.693 N	103° 27' 51.741 W	
17,200.0	90.00	179.61	10,382.0	-6,798.2	-312.4	487,067.99	809,722.30	32° 20' 9.704 N	103° 27' 51.742 W	
17,300.0	90.00	179.61	10,382.0	-6,898.2	-311.7	486,968.00	809,722.98	32° 20' 8.714 N	103° 27' 51.744 W	
17,400.0	90.00	179.61	10,382.0	-6,998.2	-311.0	486,868.00	809,723.65	32° 20' 7.725 N	103° 27' 51.745 W	
17,500.0	90.00	179.61	10,382.0	-7,098.2	-310.4	486,768.00	809,724.33	32° 20' 6.735 N	103° 27' 51.747 W	
17,600.0	90.00	179.61	10,382.0	-7,198.2	-309.7	486,668.01	809,725.00	32° 20' 5.746 N	103° 27' 51.748 W	
17,700.0	90.00	179.61	10,382.0	-7,298.2	-309.0	486,568.01	809,725.68	32° 20' 4.756 N	103° 27' 51.750 W	
17,800.0	90.00	179.61	10,382.0	-7,398.1	-308.3	486,468.01	809,726.36	32° 20' 3.767 N	103° 27' 51.752 W	
17,900.0	90.00	179.61	10,382.0	-7,498.1	-307.7	486,368.01	809,727.03	32° 20' 2.777 N	103° 27' 51.753 W	
18,000.0	90.00	179.61	10,382.0	-7,598.1	-307.0	486,268.02	809,727.71	32° 20' 1.788 N	103° 27' 51.755 W	
18,013.1	90.00	179.61	10,382.0	-7,611.3	-306.9	486,254.90	809,727.80	32° 20' 1.658 N	103° 27' 51.755 W	

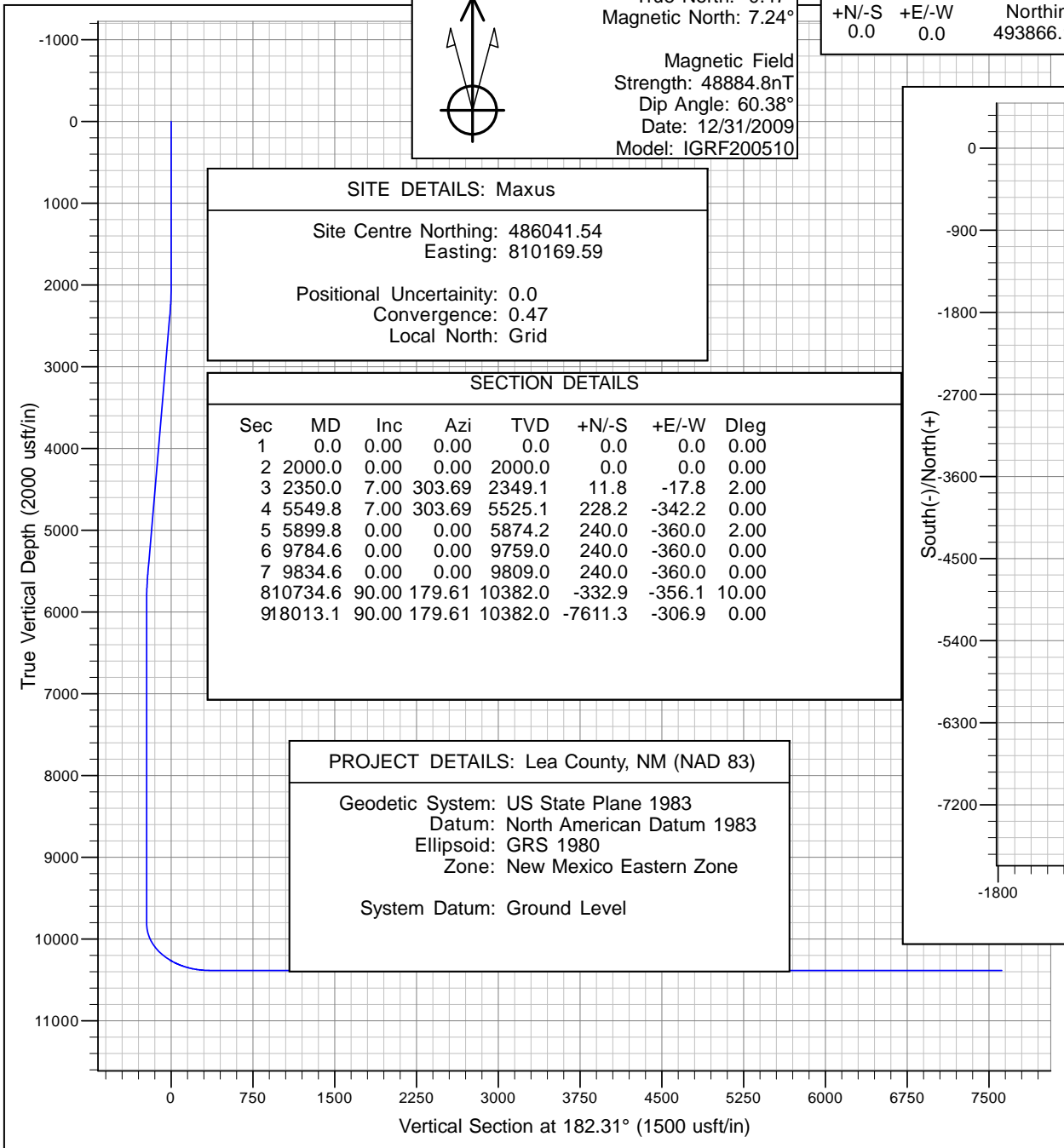
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Maxus 1H BHL - hit/miss target - Shape - plan hits target center - Point	0.00	0.07	10,382.0	-7,611.3	-306.9	486,254.90	809,727.80	32° 20' 1.658 N	103° 27' 51.755 W	

# BTA Oil Producers, LLC

**Azimuths to Grid North**  
 True North: -0.47°  
 Magnetic North: 7.24°

**Magnetic Field**  
 Strength: 48884.8nT  
 Dip Angle: 60.38°  
 Date: 12/31/2009  
 Model: IGRF200510

WELL DETAILS: Maxus #01H						
+N/-S	+E/-W	Northing	Easting	Ground Level	Ground Level: 3402.0	Longitude
0.0	0.0	493866.10	810034.70	Latitude	32° 21' 16.944 N	103° 27' 47.457 W



**SITE DETAILS: Maxus**

Site Centre Northing: 486041.54  
 Easting: 810169.59

Positional Uncertainty: 0.0  
 Convergence: 0.47  
 Local North: Grid

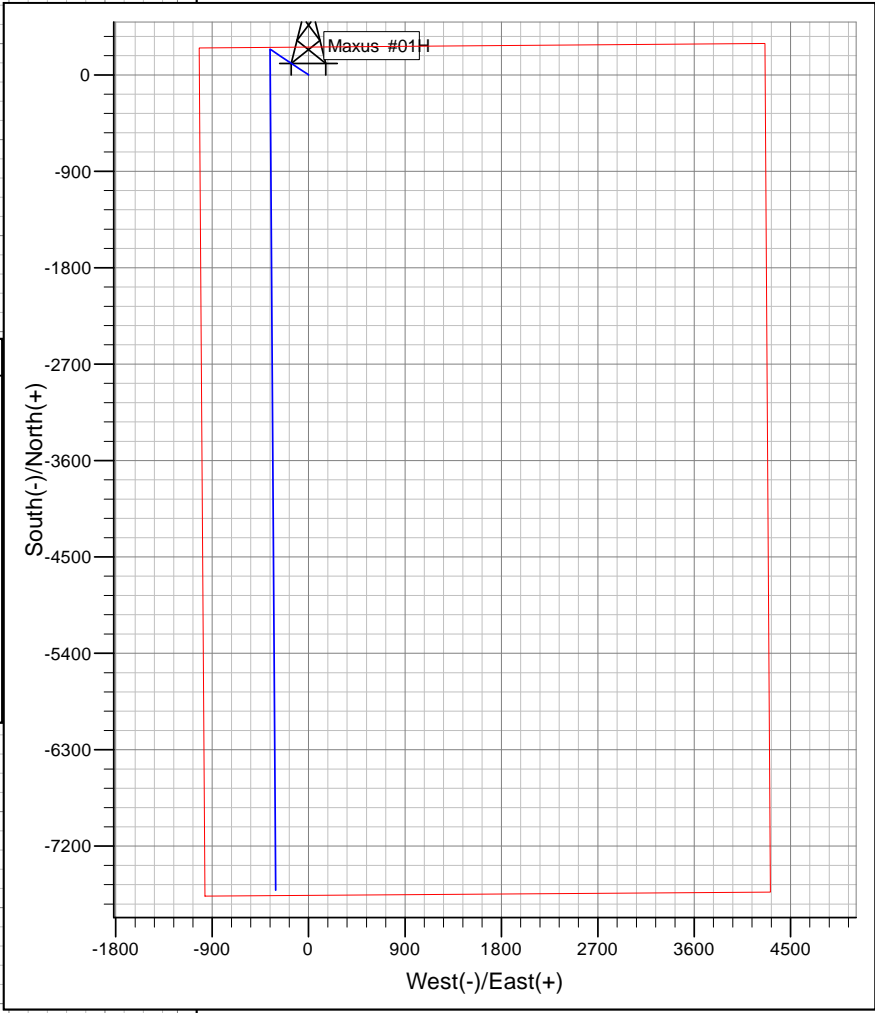
**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00
3	2350.0	7.00	303.69	2349.1	11.8	-17.8	2.00
4	5549.8	7.00	303.69	5525.1	228.2	-342.2	0.00
5	5899.8	0.00	0.00	5874.2	240.0	-360.0	2.00
6	9784.6	0.00	0.00	9759.0	240.0	-360.0	0.00
7	9834.6	0.00	0.00	9809.0	240.0	-360.0	0.00
8	10734.6	90.00	179.61	10382.0	-332.9	-356.1	10.00
9	18013.1	90.00	179.61	10382.0	-7611.3	-306.9	0.00

**PROJECT DETAILS: Lea County, NM (NAD 83)**

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: New Mexico Eastern Zone

System Datum: Ground Level





BTA Oil Producers, LLC  
 104 S Pecos  
 Midland, TX 79701

WELL: Maxus #01H  
 TVD: 10382  
 MD: 18013

**DRILLING PLAN**

**Casing Program**

Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	1700	0	1700	No	54.5	J-55	STC	1.5	3.7	9.2	5.5	Dry	8.3
12 1/4	9 5/8	0	5587	0	5562	No	40	J-55	LTC	1.7	1.5	2.8	2.3	Dry	9.4
8 3/4	5.5	0	18013	0	10382	No	17	P110	Buttress	1.5	2.1	1.8	1.9	Dry	9.4

**Cementing Program**

Csg. Size		Stage Tool Depth	Top MD of Segment	Bottom MD of Segment	Cement Type	Quantity (sk)	Yield (cu. Ft./sk)	Density (lbs. gal)	Volume (cu.ft.)	% Excess	Additives
13 3/8	Lead		0	1365	Class C	1100	1.73	13.5	1903	100%	2% CaCl2
	Tail		1365	1700	Class C	340	1.35	14.8	459	100%	2% CaCl2
9 5/8	Lead		0	5030	Class C	1485	2.46	12.8	3653.1	100%	0.5% CaCl2
	Tail		5030	5587	Class C	200	1.34	14.8	268	25%	1% CaCl2
5 1/2	Lead		4587	9910	25% Poz 75% Class C	515	3.9	10.5	2008.5	60%	0.4% Fluid Loss
	Tail		9910	18013	Class H	2050	1.25	14.4	2562.5	25%	0.2% LT Retarder





**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**

COMMENTS

Action 21503

**COMMENTS**

Operator:	OGRID:	Action Number:	Action Type:
BTA OIL PRODUCERS, LLC      104 S Pecos      Midland, TX79701	260297	21503	C-103X

Created By	Comment	Comment Date
pkautz	Operator using wrong pool name and code. See corrected name	03/22/2021

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

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 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21503

**CONDITIONS OF APPROVAL**

Operator:	OGRID:	Action Number:	Action Type:
BTA OIL PRODUCERS, LLC      104 S Pecos      Midland, TX79701	260297	21503	C-103X

OCD Reviewer	Condition
pkautz	Next time use correct pool name and code