

|                                          |                                                              |                                        |
|------------------------------------------|--------------------------------------------------------------|----------------------------------------|
| <b>Well Name:</b> OCHOA 8703 FEDERAL COM | <b>Well Location:</b> T23S / R28E / SEC 12 / SENE /          | <b>County or Parish/State:</b>         |
| <b>Well Number:</b> 3H                   | <b>Type of Well:</b> OIL WELL                                | <b>Allottee or Tribe Name:</b>         |
| <b>Lease Number:</b> NMNM103879          | <b>Unit or CA Name:</b>                                      | <b>Unit or CA Number:</b>              |
| <b>US Well Number:</b> 3001548169        | <b>Well Status:</b> Approved Application for Permit to Drill | <b>Operator:</b> BTA OIL PRODUCERS LLC |

Notice of Intent

|                                                       |                                     |
|-------------------------------------------------------|-------------------------------------|
| <b>Type of Submission:</b> Notice of Intent           | <b>Type of Action</b> Other         |
| <b>Date Sundry Submitted:</b> 05/10/2021              | <b>Time Sundry Submitted:</b> 01:50 |
| <b>Date proposed operation will begin:</b> 05/09/2021 |                                     |

**Procedure Description:** BTA Oil Producers LLC respectfully requests the following footage, casing, cement, and drill plan changes to the original APD as approved. Please see attachments documents for more details OLD FOOTAGES: SHL: 1674' FNL & 348'FEL in Sec 12, T23S, R28E FTP: 1661' FNL & 330'FWL in Sec 7, T23S, R29E LTP: 1660' FNL & 2335'FWL in Sec 8, T23S, R29E BHL: 1661' FNL &2600'FWL in Sec 8, T23S, R29E NEW FOOTAGES SHL: 1674' FNL & 348'FEL in Sec 12, T23S, R28E FTP: 1980' FNL & 330'FWL in Sec 7, T23S, R29E LTP: 1980' FNL & 2338'FWL in Sec 8, T23S, R29E BHL: 1980' FNL &2600'FWL in Sec 8, T23S, R29E

Surface Disturbance

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

NOI Attachments

Procedure Description

- Ochoa\_3H\_Sundry\_Intermediate\_Production\_5\_10\_21\_20210510135020.pdf
- Ochoa\_8703\_Federal\_3H\_DRILL\_PLAN\_20210510135005.pdf
- Ochoa\_8703\_Federal\_3H\_Wall\_Plot\_NEW\_20210510134955.pdf
- Ochoa\_8703\_Federal\_3H\_directional\_plan\_NEW\_20210510134955.pdf
- Signed\_\_\_NEW\_OCHOA\_8703\_FEDERAL\_3H\_c102\_20210510134921.pdf

|                                          |                                                              |                                        |
|------------------------------------------|--------------------------------------------------------------|----------------------------------------|
| <b>Well Name:</b> OCHOA 8703 FEDERAL COM | <b>Well Location:</b> T23S / R28E / SEC 12 / SENE /          | <b>County or Parish/State:</b>         |
| <b>Well Number:</b> 3H                   | <b>Type of Well:</b> OIL WELL                                | <b>Allottee or Tribe Name:</b>         |
| <b>Lease Number:</b> NMNM103879          | <b>Unit or CA Name:</b>                                      | <b>Unit or CA Number:</b>              |
| <b>US Well Number:</b> 3001548169        | <b>Well Status:</b> Approved Application for Permit to Drill | <b>Operator:</b> BTA OIL PRODUCERS LLC |

Conditions of Approval

Specialist Review

OCHOA\_8703\_FEDERAL\_COM\_3H\_\_Sundry\_2157585\_and\_2386564\_COA\_OTA\_20210519160128.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.

|                                                   |                                         |
|---------------------------------------------------|-----------------------------------------|
| <b>Operator Electronic Signature:</b> SAMMY HAJAR | <b>Signed on:</b> MAY 10, 2021 01:50 PM |
| <b>Name:</b> BTA OIL PRODUCERS LLC                |                                         |
| <b>Title:</b> Regulatory Analyst                  |                                         |
| <b>Street Address:</b> 104 S. Pecos               |                                         |
| <b>City:</b> Midland                              | <b>State:</b> TX                        |
| <b>Phone:</b> (432) 682-3753                      |                                         |
| <b>Email address:</b> shajar@btaoil.com           |                                         |

Field Representative

|                             |               |             |
|-----------------------------|---------------|-------------|
| <b>Representative Name:</b> |               |             |
| <b>Street Address:</b>      |               |             |
| <b>City:</b>                | <b>State:</b> | <b>Zip:</b> |
| <b>Phone:</b>               |               |             |
| <b>Email address:</b>       |               |             |

BLM Point of Contact

|                                          |                                                   |
|------------------------------------------|---------------------------------------------------|
| <b>BLM POC Name:</b> AJIBOLA OLABODE     | <b>BLM POC Title:</b> Engineer                    |
| <b>BLM POC Phone:</b> 5752342231         | <b>BLM POC Email Address:</b> OAJIBOLAEIT@BLM.GOV |
| <b>Disposition:</b> Approved             | <b>Disposition Date:</b> 05/19/2021               |
| <b>Signature:</b> Olabode Thomas Ajibola |                                                   |

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

|                              |                                    |
|------------------------------|------------------------------------|
| <b>OPERATOR'S NAME:</b>      | <b>BTA Oil Producers LLC</b>       |
| <b>LEASE NO.:</b>            | <b>NMNM103879</b>                  |
| <b>WELL NAME &amp; NO.:</b>  | Ochoa 8703 Federal Com 3H          |
| <b>SURFACE HOLE FOOTAGE:</b> | 1674'/N & 348'/E                   |
| <b>BOTTOM HOLE FOOTAGE:</b>  | 1980'/N & 2600'/W                  |
| <b>LOCATION:</b>             | Section 12, T.23 S., R.28 E., NMPM |
| <b>COUNTY:</b>               | Eddy County, New Mexico            |

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 type="radio"/> Low               | <input checked="" 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 type="radio"/> Multibowl            | <input checked="" type="radio"/> Both |
| Other                | <input type="checkbox"/> 4 String Area  | <input type="checkbox"/> Capitan Reef      | <input type="checkbox"/> WIPP         |
| Other                | <input type="checkbox"/> Fluid Filled   | <input type="checkbox"/> Cement Squeeze    | <input type="checkbox"/> Pilot Hole   |
| Special Requirements | <input type="checkbox"/> Water Disposal | <input checked="" type="checkbox"/> COM    | <input type="checkbox"/> Unit         |

**All Previous COAs Still Apply.**

### A. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **323 feet** (a minimum of **70 feet (Eddy 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.

2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:

**Option 1 (Single Stage):**

- 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.**  
**Excess cement calculates to -19%, additional cement might be required.**

**Option 2:**

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.  
**Excess cement calculates to 16%, additional cement might be required.**
  - b. Second stage above DV tool:
    - Cement to surface. If cement does not circulate, contact the appropriate BLM office.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
- ❖ In Medium Cave/Karst 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.
3. The minimum required fill of cement behind the production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

**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.

**Option 1:**

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

**Option 2:**

1. 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.

### C. SPECIAL REQUIREMENT (S)

#### **Communitization Agreement**

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

**OTA05192021**

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<br>30-015-48169 | Pool Code<br>98220                      | Pool Name<br>PURPLE SAGE ; WOLFCAMP |
| Property Code<br>330658    | Property Name<br>OCHOA 8703 FEDERAL COM | Well Number<br>3H                   |
| OGRID No.<br>260297        | Operator Name<br>BTA OIL PRODUCERS, LLC | Elevation<br>3016'                  |

Surface Location

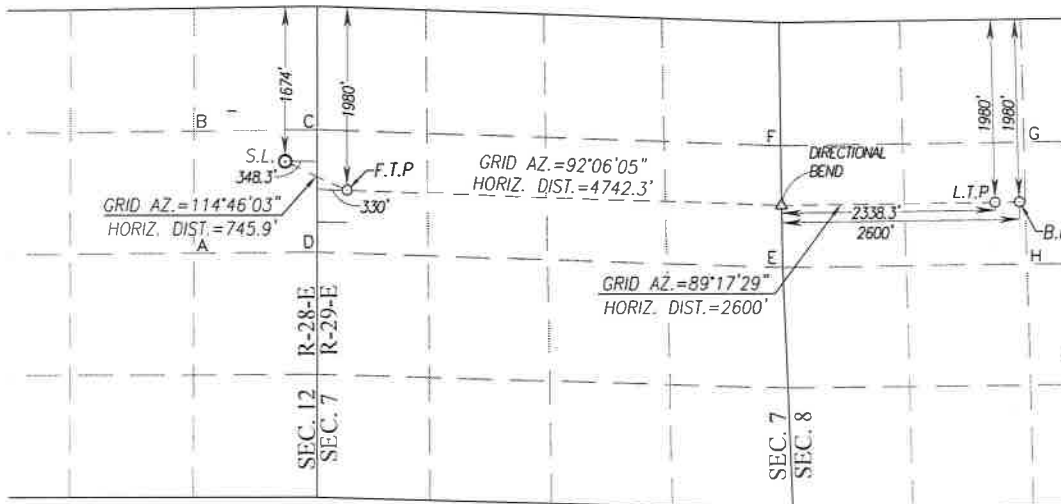
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| H             | 12      | 23-S     | 28-E  |         | 1674          | NORTH            | 348.3         | EAST           | EDDY   |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F             | 8       | 23-S     | 29-E  |         | 1980          | NORTH            | 2600          | WEST           | EDDY   |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| 480             |                 |                    |           |

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



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: 5/10/2021  
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.

Date of Survey: 05/06/2021  
Signature: *Gary G. Eidson*  
Seal of Professional Surveyor: 12641

REGISTERED PROFESSIONAL SURVEYOR  
Certificate Number: Gary G. Eidson 12641  
Ronald J. Eidson 3235

| SCALE: 1"=2000'                                                                                                                       |                                                                                                              |                                                                                                              |                                                                                                             |                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| GEODETTIC COORDINATES<br>NAD 27 NME<br>SURFACE LOCATION<br>Y= 481268.9 N<br>X= 592887.1 E<br>LAT.=32.322766° N<br>LONG.=104.032635° W | FIRST TAKE POINT<br>NAD 27 NME<br>Y= 480956.5 N<br>X= 593564.2 E<br>LAT.=32.321902° N<br>LONG.=104.030446° W | DIRECTIONAL BEND<br>NAD 27 NME<br>Y= 480782.6 N<br>X= 598302.1 E<br>LAT.=32.321386° N<br>LONG.=104.015110° W | LAST TAKE POINT<br>NAD 27 NME<br>Y= 480811.5 N<br>X= 600639.7 E<br>LAT.=32.321446° N<br>LONG.=104.007543° W | BOTTOM HOLE LOCATION<br>NAD 27 NME<br>Y= 480814.7 N<br>X= 600901.3 E<br>LAT.=32.321453° N<br>LONG.=104.006696° W |
| GEODETTIC COORDINATES<br>NAD 83 NME<br>SURFACE LOCATION<br>Y= 481328.5 N<br>X= 634069.8 E<br>LAT.=32.322887° N<br>LONG.=104.033129° W | FIRST TAKE POINT<br>NAD 83 NME<br>Y= 481016.1 N<br>X= 634746.9 E<br>LAT.=32.322023° N<br>LONG.=104.030940° W | DIRECTIONAL BEND<br>NAD 83 NME<br>Y= 480842.3 N<br>X= 639485.0 E<br>LAT.=32.321508° N<br>LONG.=104.015603° W | LAST TAKE POINT<br>NAD 83 NME<br>Y= 480162.4 N<br>X= 641822.6 E<br>LAT.=32.321568° N<br>LONG.=104.008036° W | BOTTOM HOLE LOCATION<br>NAD 83 NME<br>Y= 480874.4 N<br>X= 642084.2 E<br>LAT.=32.321575° N<br>LONG.=104.007189° W |

CORNER COORDINATES TABLE  
NAD 27 NME

A - Y= 480271.9 N, X= 591890.3 E  
B - Y= 481599.7 N, X= 591894.8 E  
C - Y= 481615.9 N, X= 593236.2 E  
D - Y= 480283.6 N, X= 593232.6 E  
E - Y= 480102.8 N, X= 598311.9 E  
F - Y= 481432.3 N, X= 598292.8 E  
G - Y= 481465.4 N, X= 600953.9 E  
H - Y= 480136.1 N, X= 600986.2 E

CORNER COORDINATES TABLE  
NAD 83 NME

A - Y= 480331.5 N, X= 633073.1 E  
B - Y= 481659.3 N, X= 633077.5 E  
C - Y= 481675.5 N, X= 634418.9 E  
D - Y= 480343.2 N, X= 634415.4 E  
E - Y= 480162.4 N, X= 639494.8 E  
F - Y= 481492.0 N, X= 639475.6 E  
G - Y= 481525.1 N, X= 642136.7 E  
H - Y= 480195.8 N, X= 642169.0 E

ACK REL W.O. 19110283 JWSC W.O. 21 13 0197

BTA OIL PRODUCERS LLC RESPECTFULLY REQUEST THE FOLLOWING CHANGES TO THE ORIGINAL PERMIT AS APPROVED.

Casing Programs

Ochoa 8703 Federal #2H

Original APD

- Intermediate  
7-5/8” 29.7# P-110 BTC @ 10190’ (DV Tool @ 2762’) in a 9-7/8” hole
- Production  
9990’ of 5-1/2” 20# P-110 BTC and 8532’ of 5” 18# P-110 BTC set at 18532’ (10693’ TVD) in a 6-3/4” hole

Proposed Change

- Intermediate  
7-5/8” 29.7# P-110 BTC @ 9305’ (DV Tool @ 2780’) in a 9-7/8” hole
- Production  
9105’ of 5-1/2” 20# P-110 BTC and 8539’ of 5” 18# P-110 BTC set at 17644’ (9812’ TVD) in a 6-3/4” hole

Cement Programs

Ochoa 8703 Federal #2H

Original APD

- Intermediate Cement
  - Stg 1 Lead: 520 sx  
100% TXI Lite  
10.5 ppg, 2.64 ft3/sx
  - Stg 1 Tail: 400 sx  
100% Class H  
15.6 ppg, 1.19 ft3/sx
  - Stg 2 Lead: 375 sx  
100% Class C Blend  
12.7 ppg, 2.19 ft3/sx
  - Stg 2 Tail: 150 sx  
100% Class C  
14.8 ppg, 1.33 ft3/sx
- Production Cement
  - Tail: 905 sx  
50:50 Class H Blend  
14.8 ppg, 1.27 ft3/sx

Proposed Change

- Intermediate Cement
  - Stg 1 Lead: 435 sx  
100% TXI Lite  
10.5 ppg, 2.64 ft3/sx
  - Stg 1 Tail: 400 sx  
100% Class H  
15.0 ppg, 1.19 ft3/sx
  - Stg 2 Lead: 380 sx  
100% Class C Blend  
12.7 ppg, 2.19 ft3/sx
  - Stg 2 Tail: 150 sx

|                    |                       |
|--------------------|-----------------------|
|                    | 100% Class C          |
|                    | 14.8 ppg, 1.33 ft3/sx |
| -Production Cement |                       |
| Tail:              | 905 sx                |
|                    | 50:50 Class H Blend   |
|                    | 14.8 ppg, 1.27 ft3/sx |

**Variances:**

-Wave the centralizer requirements for the 5-1/2” and 5” casing in the 6-3/4” hole size. An expansion additive will be utilized in the cement slurry for the entire length of the 6-3/4” hole interval to maximize cement bond and zonal isolation.



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

WELL: Ochoa 8703 Federal #3H  
TVD: 9812  
MD: 17644

## 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) |
|-----------|----------|-----------|---------|------------|----------|----------------|--------------|-------|----------|----------|-------|--------------|---------------|-------------|------------------|
| 14 3/4    | 10 3/4   | 0         | 323     | 0          | 323      | No             | 40.5         | J-55  | STC      | 11.3     | 22.5  | 48.1         | 32.1          | Dry         | 8.3              |
| 9 7/8     | 7 5/8    | 0         | 9305    | 0          | 9284     | No             | 29.7         | P110  | Buttress | 2.1      | 2.1   | 3.4          | 3.5           | Dry         | 9.4              |
| 6 3/4     | 5 1/2    | 0         | 9105    | 0          | 9084     | Yes            | 20           | P110  | Buttress | 1.7      | 1.9   | 3.5          | 3.7           | Dry         | 13               |
| 6 3/4     | 5        | 9105      | 17644   | 9084       | 9812     | Yes            | 18           | P110  | Buttress | 1.9      | 1.9   | 1.8          | 1.9           | Dry         | 13               |

\*7 5/8" has DV Tool @ 2780'

Dv Tool Depth 2780

### 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       |
|-----------|------------|------------------|-------------------|----------------------|-------------|---------------|--------------------|--------------------|-----------------|----------|-----------------|
| 10 3/4    | Lead       |                  | 0                 | 80                   | Class C     | 50            | 1.8                | 13.5               | 90              | 100%     | 2% CaCl2        |
|           | Tail       |                  | 80                | 323                  | Class C     | 200           | 1.34               | 14.8               | 268             | 100%     | 2% CaCl2        |
| 7 5/8     | Stg 2 Lead |                  | 0                 | 2350                 | Class C     | 380           | 2.19               | 12.7               | 832.2           | 50%      | 0.5% CaCl2      |
|           | Stg 2 Tail |                  | 2350              | 2780                 | Class C     | 150           | 1.33               | 14.8               | 199.5           | 50%      | 1% CaCl2        |
|           | Stg 1 Lead |                  | 2780              | 7420                 | Class H     | 435           | 2.64               | 10.5               | 1148.4          | 15%      | 0.5% CaCl2      |
|           | Stg 1 Tail |                  | 7420              | 9305                 | Class H     | 400           | 1.19               | 15.6               | 476             | 15%      | 1% CaCl2        |
| 5 1/2     | Lead       |                  |                   |                      |             |               |                    |                    |                 |          |                 |
|           | Tail       |                  | 8105              | 9105                 |             |               |                    |                    |                 |          |                 |
| 5         | Lead       |                  |                   |                      |             |               |                    |                    |                 |          |                 |
|           | Tail       |                  | 9105              | 17644                | Class H     | 905           | 1.27               | 14.8               | 1149.35         | 10%      | 0.1% Fluid Loss |

BOP/CHOKE

Pressure Rating: 10M

Rating Depth: 14000

Requesting Variance?

5M Annular on 10M BOPE  
Choke Hose  
Multi Bowl Wellhead

Pressure

Anticipated Bottom Hole Pressure: 6,633 psi

Anticipated Bottom Hole Temperature: 158 °F

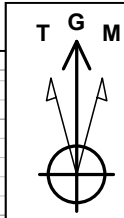
Anticipated abnormal pressures, temperatures, or potential geologic hazards? None

Anticipated Surface Hole Pressure: 4474.272

Hydrogen sulfide drilling operations plan required? Yes

| Circulating Medium Table |      |         |              |
|--------------------------|------|---------|--------------|
| Depth (TVD)              |      | Type    | Weight (ppg) |
| From                     | To   |         |              |
| 0                        | 323  | FW Spud | 8.3 – 8.4    |
| 323                      | 9284 | DBE     | 9–9.4        |
| 9284                     | 9812 | OBM     | 11.0 – 13.0  |
|                          |      |         |              |
|                          |      |         |              |
|                          |      |         |              |
|                          |      |         |              |
|                          |      |         |              |
|                          |      |         |              |

# BTA Oil Producers, LLC



Azimuths to Grid North  
True North:  $-0.16^\circ$   
Magnetic North:  $7.81^\circ$   
  
Magnetic Field  
Strength: 48804.4nT  
Dip Angle:  $60.25^\circ$   
Date: 12/31/2009  
Model: IGRF200510

## WELL DETAILS: Ochoa #03H

| +N/-S | +E/-W | Northing  | Ground Level<br>Easting | 3017.0<br>Latitude | Longitude        |
|-------|-------|-----------|-------------------------|--------------------|------------------|
| 0.0   | 0.0   | 481328.50 | 634069.80               | 32° 19' 22.394 N   | 104° 1' 59.265 W |

## SITE DETAILS: Ochoa

Site Centre Northing: 481307.00  
Easting: 634083.00

Positional Uncertainty: 0.0  
Convergence: 0.16  
Local North: Grid

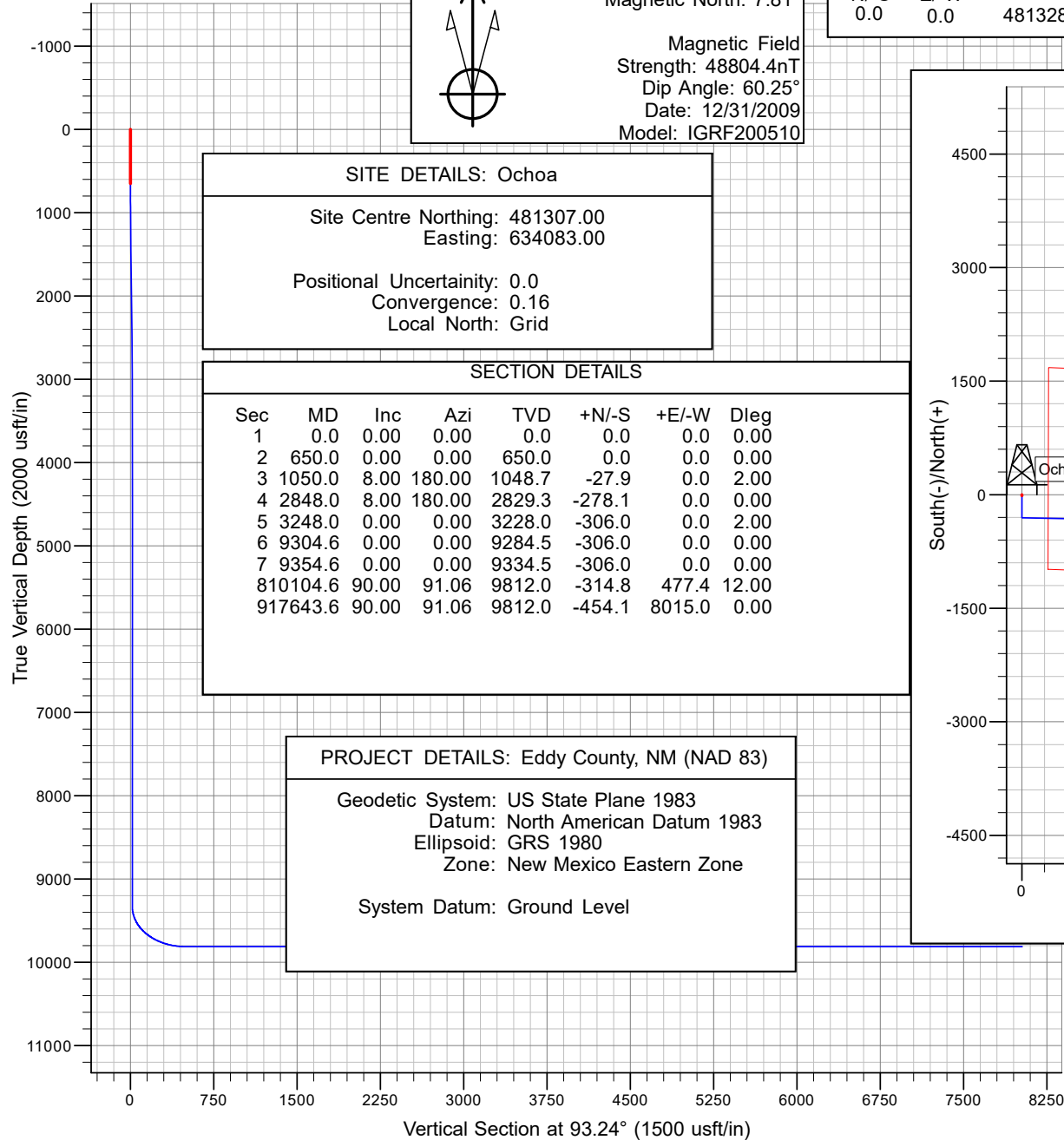
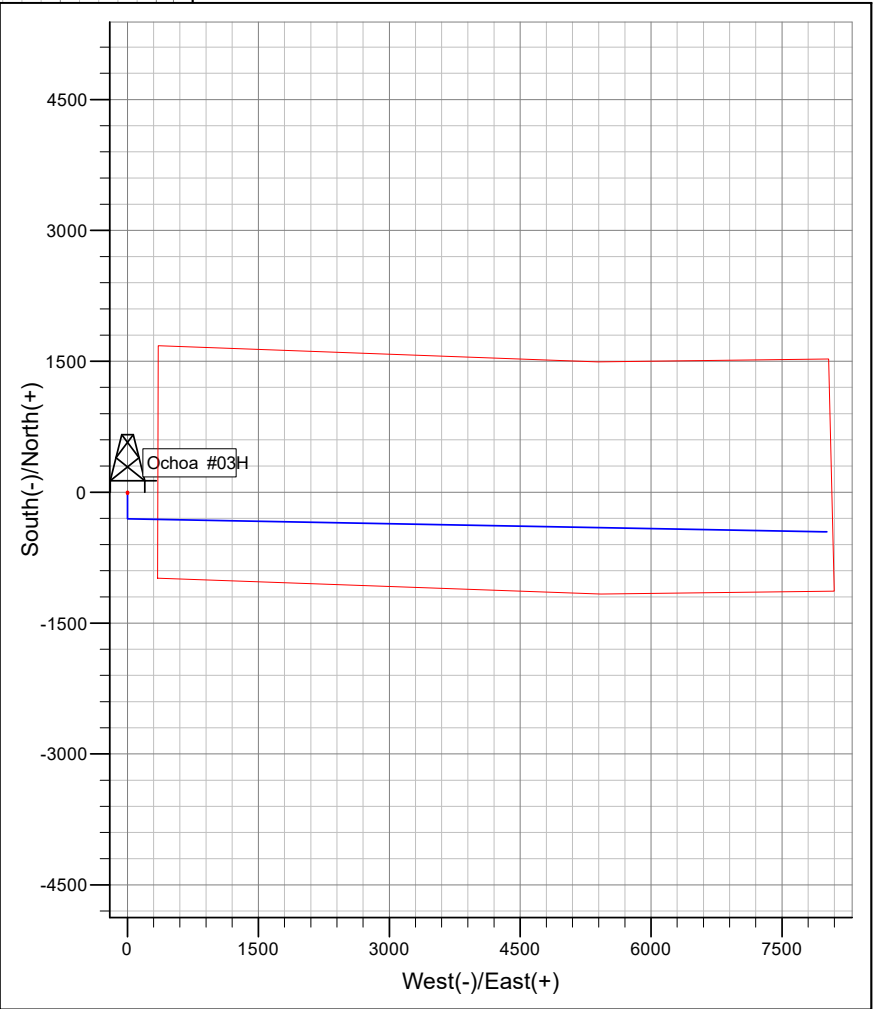
## SECTION DETAILS

| 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   | 650.0   | 0.00  | 0.00   | 650.0  | 0.0    | 0.0    | 0.00  |
| 3   | 1050.0  | 8.00  | 180.00 | 1048.7 | -27.9  | 0.0    | 2.00  |
| 4   | 2848.0  | 8.00  | 180.00 | 2829.3 | -278.1 | 0.0    | 0.00  |
| 5   | 3248.0  | 0.00  | 0.00   | 3228.0 | -306.0 | 0.0    | 2.00  |
| 6   | 9304.6  | 0.00  | 0.00   | 9284.5 | -306.0 | 0.0    | 0.00  |
| 7   | 9354.6  | 0.00  | 0.00   | 9334.5 | -306.0 | 0.0    | 0.00  |
| 8   | 10104.6 | 90.00 | 91.06  | 9812.0 | -314.8 | 477.4  | 12.00 |
| 9   | 17643.6 | 90.00 | 91.06  | 9812.0 | -454.1 | 8015.0 | 0.00  |

## PROJECT DETAILS: Eddy 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**

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

**Ochoa**

**Ochoa #03H**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report - Geographic**

**10 May, 2021**

**Microsoft**  
Planning Report - Geographic

|                  |                          |                                     |                   |
|------------------|--------------------------|-------------------------------------|-------------------|
| <b>Database:</b> | EDM16                    | <b>Local Co-ordinate Reference:</b> | Well Ochoa #03H   |
| <b>Company:</b>  | BTA Oil Producers, LLC   | <b>TVD Reference:</b>               | GL @ 3016.0usft   |
| <b>Project:</b>  | Eddy County, NM (NAD 83) | <b>MD Reference:</b>                | GL @ 3016.0usft   |
| <b>Site:</b>     | Ochoa                    | <b>North Reference:</b>             | Grid              |
| <b>Well:</b>     | Ochoa #03H               | <b>Survey Calculation Method:</b>   | Minimum Curvature |
| <b>Wellbore:</b> | Wellbore #1              |                                     |                   |
| <b>Design:</b>   | Design #1                |                                     |                   |

|                    |                           |                      |                             |
|--------------------|---------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Eddy County, NM (NAD 83)  |                      |                             |
| <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 |

| Site                  | Ochoa    |              |                 |            |                  |
|-----------------------|----------|--------------|-----------------|------------|------------------|
| Site Position:        |          | Northing:    | 481,307.00 usft | Latitude:  | 32° 19' 22.181 N |
| From:                 | Map      | Easting:     | 634,083.00 usft | Longitude: | 104° 1' 59.112 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 "       |            |                  |

| Well                 | Ochoa #03H |          |                     |                 |               |                  |
|----------------------|------------|----------|---------------------|-----------------|---------------|------------------|
| Well Position        | +N/-S      | 0.0 usft | Northing:           | 481,328.50 usft | Latitude:     | 32° 19' 22.394 N |
|                      | +E/-W      | 0.0 usft | Easting:            | 634,069.80 usft | Longitude:    | 104° 1' 59.265 W |
| Position Uncertainty |            | 0.0 usft | Wellhead Elevation: | usft            | Ground Level: | 3,017.0 usft     |
| Grid Convergence:    |            | 0.16 °   |                     |                 |               |                  |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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         | 7.97                   | 60.25                | 48,804.37209151            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <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                  | 93.24                |

|                                 |                        |                                  |                  |                |
|---------------------------------|------------------------|----------------------------------|------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 5/10/2021                        |                  |                |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b>         | <b>Tool Name</b> | <b>Remarks</b> |
| 1                               | 0.0                    | 17,643.6 Design #1 (Wellbore #1) |                  |                |

**Microsoft**  
Planning Report - Geographic

|                  |                          |                                     |                   |
|------------------|--------------------------|-------------------------------------|-------------------|
| <b>Database:</b> | EDM16                    | <b>Local Co-ordinate Reference:</b> | Well Ochoa #03H   |
| <b>Company:</b>  | BTA Oil Producers, LLC   | <b>TVD Reference:</b>               | GL @ 3016.0usft   |
| <b>Project:</b>  | Eddy County, NM (NAD 83) | <b>MD Reference:</b>                | GL @ 3016.0usft   |
| <b>Site:</b>     | Ochoa                    | <b>North Reference:</b>             | Grid              |
| <b>Well:</b>     | Ochoa #03H               | <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    |               |
| 650.0                 | 0.00            | 0.00        | 650.0                 | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |               |
| 1,050.0               | 8.00            | 180.00      | 1,048.7               | -27.9        | 0.0          | 2.00                    | 2.00                   | 0.00                  | 180.00  |               |
| 2,848.0               | 8.00            | 180.00      | 2,829.3               | -278.1       | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |               |
| 3,248.0               | 0.00            | 0.00        | 3,228.0               | -306.0       | 0.0          | 2.00                    | -2.00                  | 0.00                  | 180.00  |               |
| 9,304.6               | 0.00            | 0.00        | 9,284.5               | -306.0       | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |               |
| 9,354.6               | 0.00            | 0.00        | 9,334.5               | -306.0       | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |               |
| 10,104.6              | 90.00           | 91.06       | 9,812.0               | -314.8       | 477.4        | 12.00                   | 12.00                  | 0.00                  | 91.06   |               |
| 17,643.6              | 90.00           | 91.06       | 9,812.0               | -454.1       | 8,015.0      | 0.00                    | 0.00                   | 0.00                  | 0.00    | Ochoa #3H BHL |

**Microsoft**  
Planning Report - Geographic

|                  |                          |                                     |                   |
|------------------|--------------------------|-------------------------------------|-------------------|
| <b>Database:</b> | EDM16                    | <b>Local Co-ordinate Reference:</b> | Well Ochoa #03H   |
| <b>Company:</b>  | BTA Oil Producers, LLC   | <b>TVD Reference:</b>               | GL @ 3016.0usft   |
| <b>Project:</b>  | Eddy County, NM (NAD 83) | <b>MD Reference:</b>                | GL @ 3016.0usft   |
| <b>Site:</b>     | Ochoa                    | <b>North Reference:</b>             | Grid              |
| <b>Well:</b>     | Ochoa #03H               | <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          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 650.0                 | 0.00            | 0.00        | 650.0                 | 0.0          | 0.0          | 481,328.50          | 634,069.80         | 32° 19' 22.394 N | 104° 1' 59.265 W |
| 700.0                 | 1.00            | 180.00      | 700.0                 | -0.4         | 0.0          | 481,328.06          | 634,069.80         | 32° 19' 22.390 N | 104° 1' 59.265 W |
| 800.0                 | 3.00            | 180.00      | 799.9                 | -3.9         | 0.0          | 481,324.57          | 634,069.80         | 32° 19' 22.355 N | 104° 1' 59.265 W |
| 900.0                 | 5.00            | 180.00      | 899.7                 | -10.9        | 0.0          | 481,317.60          | 634,069.80         | 32° 19' 22.286 N | 104° 1' 59.265 W |
| 1,000.0               | 7.00            | 180.00      | 999.1                 | -21.4        | 0.0          | 481,307.15          | 634,069.80         | 32° 19' 22.183 N | 104° 1' 59.266 W |
| 1,050.0               | 8.00            | 180.00      | 1,048.7               | -27.9        | 0.0          | 481,300.62          | 634,069.80         | 32° 19' 22.118 N | 104° 1' 59.266 W |
| 1,100.0               | 8.00            | 180.00      | 1,098.2               | -34.8        | 0.0          | 481,293.66          | 634,069.80         | 32° 19' 22.049 N | 104° 1' 59.266 W |
| 1,200.0               | 8.00            | 180.00      | 1,197.2               | -48.8        | 0.0          | 481,279.75          | 634,069.80         | 32° 19' 21.912 N | 104° 1' 59.267 W |
| 1,300.0               | 8.00            | 180.00      | 1,296.3               | -62.7        | 0.0          | 481,265.83          | 634,069.80         | 32° 19' 21.774 N | 104° 1' 59.267 W |
| 1,400.0               | 8.00            | 180.00      | 1,395.3               | -76.6        | 0.0          | 481,251.92          | 634,069.80         | 32° 19' 21.636 N | 104° 1' 59.267 W |
| 1,500.0               | 8.00            | 180.00      | 1,494.3               | -90.5        | 0.0          | 481,238.00          | 634,069.80         | 32° 19' 21.499 N | 104° 1' 59.268 W |
| 1,600.0               | 8.00            | 180.00      | 1,593.3               | -104.4       | 0.0          | 481,224.08          | 634,069.80         | 32° 19' 21.361 N | 104° 1' 59.268 W |
| 1,700.0               | 8.00            | 180.00      | 1,692.4               | -118.3       | 0.0          | 481,210.17          | 634,069.80         | 32° 19' 21.223 N | 104° 1' 59.269 W |
| 1,800.0               | 8.00            | 180.00      | 1,791.4               | -132.3       | 0.0          | 481,196.25          | 634,069.80         | 32° 19' 21.085 N | 104° 1' 59.269 W |
| 1,900.0               | 8.00            | 180.00      | 1,890.4               | -146.2       | 0.0          | 481,182.34          | 634,069.80         | 32° 19' 20.948 N | 104° 1' 59.270 W |
| 2,000.0               | 8.00            | 180.00      | 1,989.5               | -160.1       | 0.0          | 481,168.42          | 634,069.80         | 32° 19' 20.810 N | 104° 1' 59.270 W |
| 2,100.0               | 8.00            | 180.00      | 2,088.5               | -174.0       | 0.0          | 481,154.50          | 634,069.80         | 32° 19' 20.672 N | 104° 1' 59.271 W |
| 2,200.0               | 8.00            | 180.00      | 2,187.5               | -187.9       | 0.0          | 481,140.59          | 634,069.80         | 32° 19' 20.535 N | 104° 1' 59.271 W |
| 2,300.0               | 8.00            | 180.00      | 2,286.5               | -201.8       | 0.0          | 481,126.67          | 634,069.80         | 32° 19' 20.397 N | 104° 1' 59.272 W |
| 2,400.0               | 8.00            | 180.00      | 2,385.6               | -215.8       | 0.0          | 481,112.75          | 634,069.80         | 32° 19' 20.259 N | 104° 1' 59.272 W |
| 2,500.0               | 8.00            | 180.00      | 2,484.6               | -229.7       | 0.0          | 481,098.84          | 634,069.80         | 32° 19' 20.121 N | 104° 1' 59.272 W |
| 2,600.0               | 8.00            | 180.00      | 2,583.6               | -243.6       | 0.0          | 481,084.92          | 634,069.80         | 32° 19' 19.984 N | 104° 1' 59.273 W |
| 2,700.0               | 8.00            | 180.00      | 2,682.6               | -257.5       | 0.0          | 481,071.01          | 634,069.80         | 32° 19' 19.846 N | 104° 1' 59.273 W |
| 2,800.0               | 8.00            | 180.00      | 2,781.7               | -271.4       | 0.0          | 481,057.09          | 634,069.80         | 32° 19' 19.708 N | 104° 1' 59.274 W |
| 2,848.0               | 8.00            | 180.00      | 2,829.3               | -278.1       | 0.0          | 481,050.40          | 634,069.80         | 32° 19' 19.642 N | 104° 1' 59.274 W |
| 2,900.0               | 6.96            | 180.00      | 2,880.8               | -284.9       | 0.0          | 481,043.64          | 634,069.80         | 32° 19' 19.575 N | 104° 1' 59.274 W |
| 3,000.0               | 4.96            | 180.00      | 2,980.2               | -295.3       | 0.0          | 481,033.26          | 634,069.80         | 32° 19' 19.472 N | 104° 1' 59.275 W |
| 3,100.0               | 2.96            | 180.00      | 3,080.0               | -302.2       | 0.0          | 481,026.35          | 634,069.80         | 32° 19' 19.404 N | 104° 1' 59.275 W |
| 3,200.0               | 0.96            | 180.00      | 3,179.9               | -305.6       | 0.0          | 481,022.93          | 634,069.80         | 32° 19' 19.370 N | 104° 1' 59.275 W |
| 3,248.0               | 0.00            | 0.00        | 3,228.0               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,300.0               | 0.00            | 0.00        | 3,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,400.0               | 0.00            | 0.00        | 3,379.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,500.0               | 0.00            | 0.00        | 3,479.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,600.0               | 0.00            | 0.00        | 3,579.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,700.0               | 0.00            | 0.00        | 3,679.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,800.0               | 0.00            | 0.00        | 3,779.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 3,900.0               | 0.00            | 0.00        | 3,879.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,000.0               | 0.00            | 0.00        | 3,979.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,100.0               | 0.00            | 0.00        | 4,079.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,200.0               | 0.00            | 0.00        | 4,179.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,300.0               | 0.00            | 0.00        | 4,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,400.0               | 0.00            | 0.00        | 4,379.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,500.0               | 0.00            | 0.00        | 4,479.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,600.0               | 0.00            | 0.00        | 4,579.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,700.0               | 0.00            | 0.00        | 4,679.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,800.0               | 0.00            | 0.00        | 4,779.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 4,900.0               | 0.00            | 0.00        | 4,879.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |
| 5,000.0               | 0.00            | 0.00        | 4,979.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |

**Microsoft**  
Planning Report - Geographic

|                  |                          |                                     |                   |
|------------------|--------------------------|-------------------------------------|-------------------|
| <b>Database:</b> | EDM16                    | <b>Local Co-ordinate Reference:</b> | Well Ochoa #03H   |
| <b>Company:</b>  | BTA Oil Producers, LLC   | <b>TVD Reference:</b>               | GL @ 3016.0usft   |
| <b>Project:</b>  | Eddy County, NM (NAD 83) | <b>MD Reference:</b>                | GL @ 3016.0usft   |
| <b>Site:</b>     | Ochoa                    | <b>North Reference:</b>             | Grid              |
| <b>Well:</b>     | Ochoa #03H               | <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        |  |
| 5,100.0               | 0.00            | 0.00        | 5,079.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,200.0               | 0.00            | 0.00        | 5,179.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,300.0               | 0.00            | 0.00        | 5,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,400.0               | 0.00            | 0.00        | 5,379.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,500.0               | 0.00            | 0.00        | 5,479.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,600.0               | 0.00            | 0.00        | 5,579.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,700.0               | 0.00            | 0.00        | 5,679.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,800.0               | 0.00            | 0.00        | 5,779.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 5,900.0               | 0.00            | 0.00        | 5,879.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,000.0               | 0.00            | 0.00        | 5,979.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,100.0               | 0.00            | 0.00        | 6,079.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,200.0               | 0.00            | 0.00        | 6,179.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,300.0               | 0.00            | 0.00        | 6,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,400.0               | 0.00            | 0.00        | 6,379.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,500.0               | 0.00            | 0.00        | 6,479.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,600.0               | 0.00            | 0.00        | 6,579.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,700.0               | 0.00            | 0.00        | 6,679.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,800.0               | 0.00            | 0.00        | 6,779.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 6,900.0               | 0.00            | 0.00        | 6,879.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,000.0               | 0.00            | 0.00        | 6,979.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,100.0               | 0.00            | 0.00        | 7,079.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,200.0               | 0.00            | 0.00        | 7,179.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,300.0               | 0.00            | 0.00        | 7,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,400.0               | 0.00            | 0.00        | 7,379.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,500.0               | 0.00            | 0.00        | 7,479.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,600.0               | 0.00            | 0.00        | 7,579.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,700.0               | 0.00            | 0.00        | 7,679.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,800.0               | 0.00            | 0.00        | 7,779.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 7,900.0               | 0.00            | 0.00        | 7,879.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,000.0               | 0.00            | 0.00        | 7,979.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,100.0               | 0.00            | 0.00        | 8,079.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,200.0               | 0.00            | 0.00        | 8,179.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,300.0               | 0.00            | 0.00        | 8,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,400.0               | 0.00            | 0.00        | 8,379.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,500.0               | 0.00            | 0.00        | 8,479.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,600.0               | 0.00            | 0.00        | 8,579.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,700.0               | 0.00            | 0.00        | 8,679.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,800.0               | 0.00            | 0.00        | 8,779.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 8,900.0               | 0.00            | 0.00        | 8,879.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,000.0               | 0.00            | 0.00        | 8,979.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,100.0               | 0.00            | 0.00        | 9,079.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,200.0               | 0.00            | 0.00        | 9,179.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,300.0               | 0.00            | 0.00        | 9,279.9               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,304.6               | 0.00            | 0.00        | 9,284.5               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,354.6               | 0.00            | 0.00        | 9,334.5               | -306.0       | 0.0          | 481,022.53          | 634,069.80         | 32° 19' 19.366 N | 104° 1' 59.275 W |  |
| 9,400.0               | 5.44            | 91.06       | 9,379.8               | -306.0       | 2.2          | 481,022.49          | 634,071.96         | 32° 19' 19.366 N | 104° 1' 59.250 W |  |
| 9,500.0               | 17.44           | 91.06       | 9,477.7               | -306.4       | 22.0         | 481,022.12          | 634,091.76         | 32° 19' 19.362 N | 104° 1' 59.019 W |  |
| 9,600.0               | 29.44           | 91.06       | 9,569.2               | -307.1       | 61.7         | 481,021.39          | 634,131.46         | 32° 19' 19.353 N | 104° 1' 58.556 W |  |
| 9,700.0               | 41.44           | 91.06       | 9,650.6               | -308.2       | 119.5        | 481,020.32          | 634,189.33         | 32° 19' 19.341 N | 104° 1' 57.882 W |  |
| 9,800.0               | 53.44           | 91.06       | 9,718.1               | -309.6       | 193.1        | 481,018.96          | 634,262.84         | 32° 19' 19.326 N | 104° 1' 57.025 W |  |
| 9,900.0               | 65.44           | 91.06       | 9,768.8               | -311.2       | 279.0        | 481,017.37          | 634,348.78         | 32° 19' 19.307 N | 104° 1' 56.024 W |  |
| 10,000.0              | 77.44           | 91.06       | 9,800.6               | -312.9       | 373.6        | 481,015.62          | 634,443.38         | 32° 19' 19.288 N | 104° 1' 54.921 W |  |
| 10,100.0              | 89.44           | 91.06       | 9,812.0               | -314.7       | 472.8        | 481,013.79          | 634,542.52         | 32° 19' 19.267 N | 104° 1' 53.766 W |  |
| 10,104.6              | 90.00           | 91.06       | 9,812.0               | -314.8       | 477.4        | 481,013.70          | 634,547.15         | 32° 19' 19.266 N | 104° 1' 53.712 W |  |
| 10,200.0              | 90.00           | 91.06       | 9,812.0               | -316.6       | 572.7        | 481,011.94          | 634,642.49         | 32° 19' 19.246 N | 104° 1' 52.601 W |  |

**Microsoft**  
Planning Report - Geographic

|                  |                          |                                     |                   |
|------------------|--------------------------|-------------------------------------|-------------------|
| <b>Database:</b> | EDM16                    | <b>Local Co-ordinate Reference:</b> | Well Ochoa #03H   |
| <b>Company:</b>  | BTA Oil Producers, LLC   | <b>TVD Reference:</b>               | GL @ 3016.0usft   |
| <b>Project:</b>  | Eddy County, NM (NAD 83) | <b>MD Reference:</b>                | GL @ 3016.0usft   |
| <b>Site:</b>     | Ochoa                    | <b>North Reference:</b>             | Grid              |
| <b>Well:</b>     | Ochoa #03H               | <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        |  |
| 10,300.0              | 90.00           | 91.06       | 9,812.0               | -318.4       | 672.7        | 481,010.09          | 634,742.47         | 32° 19' 19.225 N | 104° 1' 51.436 W |  |
| 10,400.0              | 90.00           | 91.06       | 9,812.0               | -320.3       | 772.7        | 481,008.25          | 634,842.44         | 32° 19' 19.203 N | 104° 1' 50.271 W |  |
| 10,500.0              | 90.00           | 91.06       | 9,812.0               | -322.1       | 872.7        | 481,006.40          | 634,942.42         | 32° 19' 19.182 N | 104° 1' 49.106 W |  |
| 10,600.0              | 90.00           | 91.06       | 9,812.0               | -324.0       | 972.7        | 481,004.55          | 635,042.39         | 32° 19' 19.161 N | 104° 1' 47.941 W |  |
| 10,700.0              | 90.00           | 91.06       | 9,812.0               | -325.8       | 1,072.7      | 481,002.70          | 635,142.37         | 32° 19' 19.140 N | 104° 1' 46.776 W |  |
| 10,800.0              | 90.00           | 91.06       | 9,812.0               | -327.7       | 1,172.6      | 481,000.85          | 635,242.34         | 32° 19' 19.119 N | 104° 1' 45.611 W |  |
| 10,900.0              | 90.00           | 91.06       | 9,812.0               | -329.5       | 1,272.6      | 480,999.01          | 635,342.32         | 32° 19' 19.098 N | 104° 1' 44.446 W |  |
| 11,000.0              | 90.00           | 91.06       | 9,812.0               | -331.4       | 1,372.6      | 480,997.16          | 635,442.29         | 32° 19' 19.077 N | 104° 1' 43.281 W |  |
| 11,100.0              | 90.00           | 91.06       | 9,812.0               | -333.2       | 1,472.6      | 480,995.31          | 635,542.27         | 32° 19' 19.056 N | 104° 1' 42.116 W |  |
| 11,200.0              | 90.00           | 91.06       | 9,812.0               | -335.1       | 1,572.6      | 480,993.46          | 635,642.24         | 32° 19' 19.035 N | 104° 1' 40.951 W |  |
| 11,300.0              | 90.00           | 91.06       | 9,812.0               | -336.9       | 1,672.5      | 480,991.62          | 635,742.22         | 32° 19' 19.014 N | 104° 1' 39.785 W |  |
| 11,400.0              | 90.00           | 91.06       | 9,812.0               | -338.8       | 1,772.5      | 480,989.77          | 635,842.19         | 32° 19' 18.992 N | 104° 1' 38.620 W |  |
| 11,500.0              | 90.00           | 91.06       | 9,812.0               | -340.6       | 1,872.5      | 480,987.92          | 635,942.17         | 32° 19' 18.971 N | 104° 1' 37.455 W |  |
| 11,600.0              | 90.00           | 91.06       | 9,812.0               | -342.5       | 1,972.5      | 480,986.07          | 636,042.14         | 32° 19' 18.950 N | 104° 1' 36.290 W |  |
| 11,700.0              | 90.00           | 91.06       | 9,812.0               | -344.3       | 2,072.5      | 480,984.22          | 636,142.12         | 32° 19' 18.929 N | 104° 1' 35.125 W |  |
| 11,800.0              | 90.00           | 91.06       | 9,812.0               | -346.2       | 2,172.5      | 480,982.38          | 636,242.09         | 32° 19' 18.908 N | 104° 1' 33.960 W |  |
| 11,900.0              | 90.00           | 91.06       | 9,812.0               | -348.0       | 2,272.4      | 480,980.53          | 636,342.07         | 32° 19' 18.887 N | 104° 1' 32.795 W |  |
| 12,000.0              | 90.00           | 91.06       | 9,812.0               | -349.8       | 2,372.4      | 480,978.68          | 636,442.04         | 32° 19' 18.866 N | 104° 1' 31.630 W |  |
| 12,100.0              | 90.00           | 91.06       | 9,812.0               | -351.7       | 2,472.4      | 480,976.83          | 636,542.02         | 32° 19' 18.845 N | 104° 1' 30.465 W |  |
| 12,200.0              | 90.00           | 91.06       | 9,812.0               | -353.5       | 2,572.4      | 480,974.99          | 636,641.99         | 32° 19' 18.824 N | 104° 1' 29.300 W |  |
| 12,300.0              | 90.00           | 91.06       | 9,812.0               | -355.4       | 2,672.4      | 480,973.14          | 636,741.97         | 32° 19' 18.802 N | 104° 1' 28.135 W |  |
| 12,400.0              | 90.00           | 91.06       | 9,812.0               | -357.2       | 2,772.4      | 480,971.29          | 636,841.94         | 32° 19' 18.781 N | 104° 1' 26.970 W |  |
| 12,500.0              | 90.00           | 91.06       | 9,812.0               | -359.1       | 2,872.3      | 480,969.44          | 636,941.92         | 32° 19' 18.760 N | 104° 1' 25.805 W |  |
| 12,600.0              | 90.00           | 91.06       | 9,812.0               | -360.9       | 2,972.3      | 480,967.59          | 637,041.89         | 32° 19' 18.739 N | 104° 1' 24.640 W |  |
| 12,700.0              | 90.00           | 91.06       | 9,812.0               | -362.8       | 3,072.3      | 480,965.75          | 637,141.86         | 32° 19' 18.718 N | 104° 1' 23.475 W |  |
| 12,800.0              | 90.00           | 91.06       | 9,812.0               | -364.6       | 3,172.3      | 480,963.90          | 637,241.84         | 32° 19' 18.697 N | 104° 1' 22.310 W |  |
| 12,900.0              | 90.00           | 91.06       | 9,812.0               | -366.5       | 3,272.3      | 480,962.05          | 637,341.81         | 32° 19' 18.676 N | 104° 1' 21.145 W |  |
| 13,000.0              | 90.00           | 91.06       | 9,812.0               | -368.3       | 3,372.3      | 480,960.20          | 637,441.79         | 32° 19' 18.654 N | 104° 1' 19.980 W |  |
| 13,100.0              | 90.00           | 91.06       | 9,812.0               | -370.2       | 3,472.2      | 480,958.36          | 637,541.76         | 32° 19' 18.633 N | 104° 1' 18.815 W |  |
| 13,200.0              | 90.00           | 91.06       | 9,812.0               | -372.0       | 3,572.2      | 480,956.51          | 637,641.74         | 32° 19' 18.612 N | 104° 1' 17.649 W |  |
| 13,300.0              | 90.00           | 91.06       | 9,812.0               | -373.9       | 3,672.2      | 480,954.66          | 637,741.71         | 32° 19' 18.591 N | 104° 1' 16.484 W |  |
| 13,400.0              | 90.00           | 91.06       | 9,812.0               | -375.7       | 3,772.2      | 480,952.81          | 637,841.69         | 32° 19' 18.570 N | 104° 1' 15.319 W |  |
| 13,500.0              | 90.00           | 91.06       | 9,812.0               | -377.6       | 3,872.2      | 480,950.96          | 637,941.66         | 32° 19' 18.549 N | 104° 1' 14.154 W |  |
| 13,600.0              | 90.00           | 91.06       | 9,812.0               | -379.4       | 3,972.2      | 480,949.12          | 638,041.64         | 32° 19' 18.527 N | 104° 1' 12.989 W |  |
| 13,700.0              | 90.00           | 91.06       | 9,812.0               | -381.3       | 4,072.1      | 480,947.27          | 638,141.61         | 32° 19' 18.506 N | 104° 1' 11.824 W |  |
| 13,800.0              | 90.00           | 91.06       | 9,812.0               | -383.1       | 4,172.1      | 480,945.42          | 638,241.59         | 32° 19' 18.485 N | 104° 1' 10.659 W |  |
| 13,900.0              | 90.00           | 91.06       | 9,812.0               | -385.0       | 4,272.1      | 480,943.57          | 638,341.56         | 32° 19' 18.464 N | 104° 1' 9.494 W  |  |
| 14,000.0              | 90.00           | 91.06       | 9,812.0               | -386.8       | 4,372.1      | 480,941.73          | 638,441.54         | 32° 19' 18.443 N | 104° 1' 8.329 W  |  |
| 14,100.0              | 90.00           | 91.06       | 9,812.0               | -388.7       | 4,472.1      | 480,939.88          | 638,541.51         | 32° 19' 18.421 N | 104° 1' 7.164 W  |  |
| 14,200.0              | 90.00           | 91.06       | 9,812.0               | -390.5       | 4,572.1      | 480,938.03          | 638,641.49         | 32° 19' 18.400 N | 104° 1' 5.999 W  |  |
| 14,300.0              | 90.00           | 91.06       | 9,812.0               | -392.4       | 4,672.0      | 480,936.18          | 638,741.46         | 32° 19' 18.379 N | 104° 1' 4.834 W  |  |
| 14,400.0              | 90.00           | 91.06       | 9,812.0               | -394.2       | 4,772.0      | 480,934.33          | 638,841.44         | 32° 19' 18.358 N | 104° 1' 3.669 W  |  |
| 14,500.0              | 90.00           | 91.06       | 9,812.0               | -396.0       | 4,872.0      | 480,932.49          | 638,941.41         | 32° 19' 18.337 N | 104° 1' 2.504 W  |  |
| 14,600.0              | 90.00           | 91.06       | 9,812.0               | -397.9       | 4,972.0      | 480,930.64          | 639,041.39         | 32° 19' 18.315 N | 104° 1' 1.339 W  |  |
| 14,700.0              | 90.00           | 91.06       | 9,812.0               | -399.7       | 5,072.0      | 480,928.79          | 639,141.36         | 32° 19' 18.294 N | 104° 1' 0.174 W  |  |
| 14,800.0              | 90.00           | 91.06       | 9,812.0               | -401.6       | 5,172.0      | 480,926.94          | 639,241.34         | 32° 19' 18.273 N | 104° 0' 59.009 W |  |
| 14,900.0              | 90.00           | 91.06       | 9,812.0               | -403.4       | 5,271.9      | 480,925.10          | 639,341.31         | 32° 19' 18.252 N | 104° 0' 57.844 W |  |
| 15,000.0              | 90.00           | 91.06       | 9,812.0               | -405.3       | 5,371.9      | 480,923.25          | 639,441.29         | 32° 19' 18.231 N | 104° 0' 56.679 W |  |
| 15,100.0              | 90.00           | 91.06       | 9,812.0               | -407.1       | 5,471.9      | 480,921.40          | 639,541.26         | 32° 19' 18.209 N | 104° 0' 55.514 W |  |
| 15,200.0              | 90.00           | 91.06       | 9,812.0               | -409.0       | 5,571.9      | 480,919.55          | 639,641.24         | 32° 19' 18.188 N | 104° 0' 54.348 W |  |
| 15,300.0              | 90.00           | 91.06       | 9,812.0               | -410.8       | 5,671.9      | 480,917.70          | 639,741.21         | 32° 19' 18.167 N | 104° 0' 53.183 W |  |
| 15,400.0              | 90.00           | 91.06       | 9,812.0               | -412.7       | 5,771.8      | 480,915.86          | 639,841.18         | 32° 19' 18.146 N | 104° 0' 52.018 W |  |
| 15,500.0              | 90.00           | 91.06       | 9,812.0               | -414.5       | 5,871.8      | 480,914.01          | 639,941.16         | 32° 19' 18.124 N | 104° 0' 50.853 W |  |
| 15,600.0              | 90.00           | 91.06       | 9,812.0               | -416.4       | 5,971.8      | 480,912.16          | 640,041.13         | 32° 19' 18.103 N | 104° 0' 49.688 W |  |
| 15,700.0              | 90.00           | 91.06       | 9,812.0               | -418.2       | 6,071.8      | 480,910.31          | 640,141.11         | 32° 19' 18.082 N | 104° 0' 48.523 W |  |

**Microsoft**  
Planning Report - Geographic

|                  |                          |                                     |                   |
|------------------|--------------------------|-------------------------------------|-------------------|
| <b>Database:</b> | EDM16                    | <b>Local Co-ordinate Reference:</b> | Well Ochoa #03H   |
| <b>Company:</b>  | BTA Oil Producers, LLC   | <b>TVD Reference:</b>               | GL @ 3016.0usft   |
| <b>Project:</b>  | Eddy County, NM (NAD 83) | <b>MD Reference:</b>                | GL @ 3016.0usft   |
| <b>Site:</b>     | Ochoa                    | <b>North Reference:</b>             | Grid              |
| <b>Well:</b>     | Ochoa #03H               | <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        |  |
| 15,800.0              | 90.00           | 91.06       | 9,812.0               | -420.1       | 6,171.8      | 480,908.47          | 640,241.08         | 32° 19' 18.061 N | 104° 0' 47.358 W |  |
| 15,900.0              | 90.00           | 91.06       | 9,812.0               | -421.9       | 6,271.8      | 480,906.62          | 640,341.06         | 32° 19' 18.040 N | 104° 0' 46.193 W |  |
| 16,000.0              | 90.00           | 91.06       | 9,812.0               | -423.8       | 6,371.7      | 480,904.77          | 640,441.03         | 32° 19' 18.018 N | 104° 0' 45.028 W |  |
| 16,100.0              | 90.00           | 91.06       | 9,812.0               | -425.6       | 6,471.7      | 480,902.92          | 640,541.01         | 32° 19' 17.997 N | 104° 0' 43.863 W |  |
| 16,200.0              | 90.00           | 91.06       | 9,812.0               | -427.5       | 6,571.7      | 480,901.07          | 640,640.98         | 32° 19' 17.976 N | 104° 0' 42.698 W |  |
| 16,300.0              | 90.00           | 91.06       | 9,812.0               | -429.3       | 6,671.7      | 480,899.23          | 640,740.96         | 32° 19' 17.955 N | 104° 0' 41.533 W |  |
| 16,400.0              | 90.00           | 91.06       | 9,812.0               | -431.2       | 6,771.7      | 480,897.38          | 640,840.93         | 32° 19' 17.933 N | 104° 0' 40.368 W |  |
| 16,500.0              | 90.00           | 91.06       | 9,812.0               | -433.0       | 6,871.7      | 480,895.53          | 640,940.91         | 32° 19' 17.912 N | 104° 0' 39.203 W |  |
| 16,600.0              | 90.00           | 91.06       | 9,812.0               | -434.9       | 6,971.6      | 480,893.68          | 641,040.88         | 32° 19' 17.891 N | 104° 0' 38.038 W |  |
| 16,700.0              | 90.00           | 91.06       | 9,812.0               | -436.7       | 7,071.6      | 480,891.84          | 641,140.86         | 32° 19' 17.869 N | 104° 0' 36.873 W |  |
| 16,800.0              | 90.00           | 91.06       | 9,812.0               | -438.5       | 7,171.6      | 480,889.99          | 641,240.83         | 32° 19' 17.848 N | 104° 0' 35.708 W |  |
| 16,900.0              | 90.00           | 91.06       | 9,812.0               | -440.4       | 7,271.6      | 480,888.14          | 641,340.81         | 32° 19' 17.827 N | 104° 0' 34.543 W |  |
| 17,000.0              | 90.00           | 91.06       | 9,812.0               | -442.2       | 7,371.6      | 480,886.29          | 641,440.78         | 32° 19' 17.806 N | 104° 0' 33.378 W |  |
| 17,100.0              | 90.00           | 91.06       | 9,812.0               | -444.1       | 7,471.6      | 480,884.44          | 641,540.76         | 32° 19' 17.784 N | 104° 0' 32.213 W |  |
| 17,200.0              | 90.00           | 91.06       | 9,812.0               | -445.9       | 7,571.5      | 480,882.60          | 641,640.73         | 32° 19' 17.763 N | 104° 0' 31.048 W |  |
| 17,300.0              | 90.00           | 91.06       | 9,812.0               | -447.8       | 7,671.5      | 480,880.75          | 641,740.71         | 32° 19' 17.742 N | 104° 0' 29.883 W |  |
| 17,400.0              | 90.00           | 91.06       | 9,812.0               | -449.6       | 7,771.5      | 480,878.90          | 641,840.68         | 32° 19' 17.721 N | 104° 0' 28.717 W |  |
| 17,500.0              | 90.00           | 91.06       | 9,812.0               | -451.5       | 7,871.5      | 480,877.05          | 641,940.66         | 32° 19' 17.699 N | 104° 0' 27.552 W |  |
| 17,600.0              | 90.00           | 91.06       | 9,812.0               | -453.3       | 7,971.5      | 480,875.21          | 642,040.63         | 32° 19' 17.678 N | 104° 0' 26.387 W |  |
| 17,643.6              | 90.00           | 91.06       | 9,812.0               | -454.1       | 8,015.0      | 480,874.40          | 642,084.20         | 32° 19' 17.669 N | 104° 0' 25.880 W |  |

| Design Targets                                        |               |              |            |              |              |                 |                |                  |                  |  |
|-------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|------------------|--|
| Target Name<br>- hit/miss target<br>- Shape           | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude        |  |
| Ochoa #3H BHL<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 9,812.0    | -454.1       | 8,015.0      | 480,874.40      | 642,084.20     | 32° 19' 17.669 N | 104° 0' 25.880 W |  |

**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 30846

COMMENTS

|                                                                         |                                                      |
|-------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                     |
|                                                                         | Action Number:<br>30846                              |
|                                                                         | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

COMMENTS

| Created By | Comment                | Comment Date |
|------------|------------------------|--------------|
| kpickford  | KP GEO Review 6/9/2021 | 6/9/2021     |

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

CONDITIONS  
  
Action 30846

CONDITIONS

|                                                                         |                                                      |
|-------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                     |
|                                                                         | Action Number:<br>30846                              |
|                                                                         | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition                                       | Condition Date |
|------------|-------------------------------------------------|----------------|
| kpickford  | Adhere to previous NMOCD Conditions of Approval | 6/9/2021       |