

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

General Information  
Phone: (505) 629-6116

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

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

Form C-101  
August 1, 2011

Permit 384320

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                            |  |                               |
|--------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 |  | 2. OGRID Number<br>260297     |
| 4. Property Code<br>337083                                                                 |  | 3. API Number<br>30-025-54502 |
| 5. Property Name<br>SAGE BRUSH 22302 25 24 STATE COM                                       |  | 6. Well No.<br>002H           |

**7. Surface Location**

|          |   |         |    |          |     |       |     |         |           |      |          |   |           |      |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|-----------|------|----------|---|-----------|------|----------|---|--------|-----|
| UL - Lot | E | Section | 25 | Township | 20S | Range | 35E | Lot Idn | Feet From | 2170 | N/S Line | N | Feet From | 1170 | E/W Line | W | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|-----------|------|----------|---|-----------|------|----------|---|--------|-----|

**8. Proposed Bottom Hole Location**

|          |   |         |    |          |     |       |     |         |   |           |    |          |   |           |      |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|----|----------|---|-----------|------|----------|---|--------|-----|
| UL - Lot | C | Section | 24 | Township | 20S | Range | 35E | Lot Idn | C | Feet From | 50 | N/S Line | N | Feet From | 2145 | E/W Line | W | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|----|----------|---|-----------|------|----------|---|--------|-----|

**9. Pool Information**

|                                |       |
|--------------------------------|-------|
| FEATHERSTONE;BONE SPRING       | 24250 |
| FEATHERSTONE;BONE SPRING, EAST | 24270 |

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3675 |
| 16. Multiple<br>Y         | 17. Proposed Depth<br>17886 | 18. Formation<br>Bone Spring           | 19. Contractor          | 20. Spud Date<br>4/14/2025         |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 54.5             | 1990          | 1670            | 0             |
| Int1 | 12.25     | 9.625       | 40               | 5750          | 2180            | 0             |
| Prod | 8.75      | 5.5         | 17               | 17886         | 2535            | 4750          |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

|         |                  |               |              |
|---------|------------------|---------------|--------------|
| Type    | Working Pressure | Test Pressure | Manufacturer |
| Annular | 5000             | 14000         |              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br><br>Signature:<br>Printed Name: Electronically filed by Katy Reddell<br>Title:<br>Email Address: kreddell@btaoil.com<br>Date: 3/5/2025 | <b>OIL CONSERVATION DIVISION</b><br><br>Approved By: Matthew Gomez<br>Title:<br>Approved Date: 3/10/2025      Expiration Date: 3/10/2027<br>Conditions of Approval Attached |
| Phone: 432-682-3753                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                             |

|                                                                 |                                                                                                                                                         |                                     |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>C-102</b><br><br>Submit Electronically<br>Via OCD Permitting | <b>State of New Mexico</b><br><b>Energy, Minerals, &amp; Natural Resources Department</b><br><b>OIL CONSERVATION DIVISION</b>                           | Revised July 9, 2024<br>PAGE 1 OF 2 |
|                                                                 | Submittal Type: <input checked="" type="checkbox"/> Initial Submittal<br><input type="checkbox"/> Amended Report<br><input type="checkbox"/> As Drilled |                                     |

## WELL LOCATION INFORMATION

|                                                                                                                                                        |                                                   |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br><b>30-025-54502</b>                                                                                                                      | Pool Code<br>[24250]                              | Pool Name<br>FEATHERSTONE; BONE SPRING                                                                                                                 |
| Property Code<br><b>337083</b>                                                                                                                         | Property Name<br>SAGE BRUSH 22302 25-24 STATE COM | Well Number<br>2H                                                                                                                                      |
| OGRID No.<br>260297                                                                                                                                    | Operator Name<br>BTA OIL PRODUCERS, LLC           | Ground Level Elevation<br>3675'                                                                                                                        |
| Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                                   | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

## Surface Location

|    |         |          |       |     |              |              |                  |                   |        |
|----|---------|----------|-------|-----|--------------|--------------|------------------|-------------------|--------|
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD83) | Longitude (NAD83) | County |
| E  | 25      | 20S      | 35E   |     | 2170' FNL    | 1170' FWL    | 32.54546056      | -103.41558542     | LEA    |

## Bottom Hole Location

|    |         |          |       |     |              |              |                  |                   |        |
|----|---------|----------|-------|-----|--------------|--------------|------------------|-------------------|--------|
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD83) | Longitude (NAD83) | County |
| C  | 24      | 20S      | 35E   |     | 50' FNL      | 2145' FWL    | 32.56582535      | -103.41240007     | LEA    |

|                          |                         |                   |                                                                                                    |                    |
|--------------------------|-------------------------|-------------------|----------------------------------------------------------------------------------------------------|--------------------|
| Dedicated Acres<br>80.00 | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N)                                                                     | Consolidation Code |
| Order Numbers:           |                         |                   | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No |                    |

## Kick Off Point (KOP)

|    |         |          |       |     |              |              |                  |                   |        |
|----|---------|----------|-------|-----|--------------|--------------|------------------|-------------------|--------|
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD83) | Longitude (NAD83) | County |
| F  | 25      | 20S      | 35E   |     | 2596' FNL    | 2145' FWL    | 32.54428881      | -103.41242324     | LEA    |

## First Take Point (FTP)

|    |         |          |       |     |              |              |                  |                   |        |
|----|---------|----------|-------|-----|--------------|--------------|------------------|-------------------|--------|
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD83) | Longitude (NAD83) | County |
| F  | 25      | 20S      | 35E   |     | 2546' FNL    | 2145' FWL    | 32.54442624      | -103.41242306     | LEA    |

## Last Take Point (LTP)

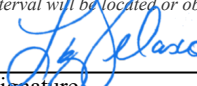
|    |         |          |       |     |              |              |                  |                   |        |
|----|---------|----------|-------|-----|--------------|--------------|------------------|-------------------|--------|
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude (NAD83) | Longitude (NAD83) | County |
| C  | 24      | 20S      | 35E   |     | 100' FNL     | 2145' FWL    | 32.56568792      | -103.41240022     | LEA    |

|                                           |                                                                                                     |                                 |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------|
| Unitized Area or Area of Uniform Interest | Spacing Unit Type: <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation<br>3675' |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------|

## OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

  
Signature \_\_\_\_\_ Date 2/24/2025  
Printed Name Liz Velasco  
Email Address lvelasco@btaoil.com

## SURVEYOR CERTIFICATIONS

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.



Signature and Seal of Professional Surveyor  
Certificate Number 21653 Date of Survey FEBRUARY 14, 2025

## ACREAGE DEDICATION PLATS

## SAGE BRUSH 22302 25-24 STATE COM 2H

PAGE 2 OF 2

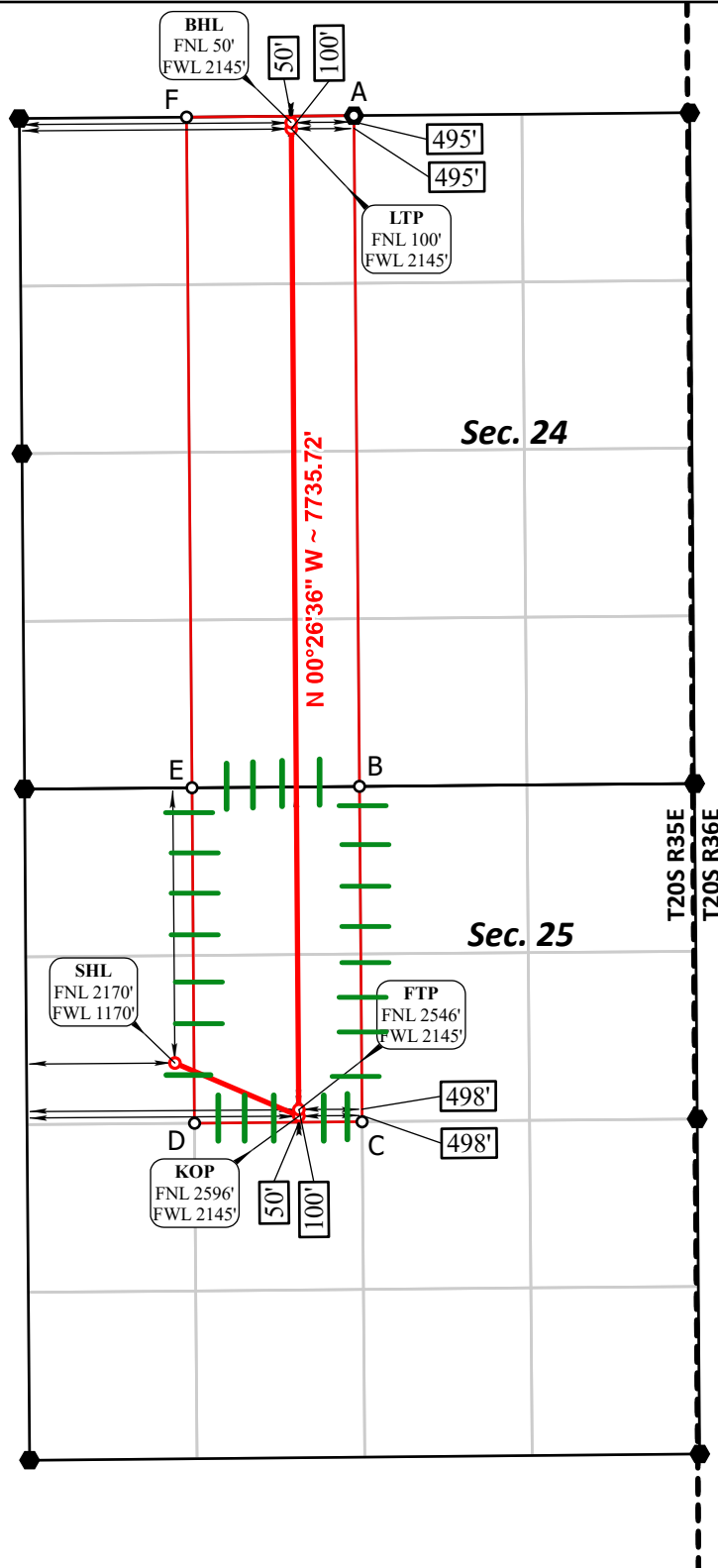
**BHL**  
FNL 50' FWL 2145', SECTION 24  
**NAD 83, SPCS NM EAST**  
X:825053.93' / Y:570805.33'  
LAT:32.56582535' / LON:-103.41240007  
**NAD 27, SPCS NM EAST**  
X:783872.06' / Y:570742.96'  
LAT:32.56570183' / LON:-103.41191615

**LTP**  
FNL 100' FWL 2145', SECTION 24  
**NAD 83, SPCS NM EAST**  
X:825054.32' / Y:570755.33'  
LAT:32.56568792' / LON:-103.41240022  
**NAD 27, SPCS NM EAST**  
X:783872.45' / Y:570692.96'  
LAT:32.56556440' / LON:-103.41191630

**FTP**  
FNL 2546' FWL 2145', SECTION 25  
**NAD 83, SPCS NM EAST**  
X:825114.19' / Y:563019.85'  
LAT:32.54442624' / LON:-103.41242306  
**NAD 27, SPCS NM EAST**  
X:783932.05' / Y:562957.64'  
LAT:32.54430252' / LON:-103.41194014

**KOP**  
FNL 2596' FWL 2145', SECTION 25  
**NAD 83, SPCS NM EAST**  
X:825114.57' / Y:562969.85'  
LAT:32.54428881' / LON:-103.41242324  
**NAD 27, SPCS NM EAST**  
X:783932.42' / Y:562907.64'  
LAT:32.54416509' / LON:-103.41194033

**SHL**  
FNL 2170' FWL 1170', SECTION 25  
**NAD 83, SPCS NM EAST**  
X:824136.44' / Y:563387.74'  
LAT:32.54546056' / LON:-103.41558542  
**NAD 27, SPCS NM EAST**  
X:782954.33' / Y:563325.52'  
LAT:32.54533685' / LON:-103.41510229



| CORNER COORDINATES<br>NAD 83, SPCS NM EAST | CORNER COORDINATES<br>NAD 27, SPCS NM EAST |
|--------------------------------------------|--------------------------------------------|
| A - X: 825548.24' / Y: 570859.48'          | A - X: 784366.36' / Y: 570797.10'          |
| B - X: 825592.64' / Y: 565569.87'          | B - X: 784410.57' / Y: 565507.61'          |
| C - X: 825612.95' / Y: 562924.08'          | C - X: 784430.78' / Y: 562861.87'          |
| D - X: 824291.51' / Y: 562912.86'          | D - X: 783109.38' / Y: 562850.65'          |
| E - X: 824271.39' / Y: 565558.93'          | E - X: 783089.36' / Y: 565496.66'          |
| F - X: 824228.43' / Y: 570848.42'          | F - X: 783046.58' / Y: 570786.03'          |

○ Drill Line Events    ● Section Corners    — Drill Line    — Dimension Lines    ■ Federal Leases    ■ Project Area  
All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99981205 and a Convergence Angle: 0.44922778°



JOB No. BTA\_0032\_SB  
REV 1 NDS 2/14/2025

|                                                                 |                                                                                                                                                         |                                     |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>C-102</b><br><br>Submit Electronically<br>Via OCD Permitting | <b>State of New Mexico</b><br><b>Energy, Minerals, &amp; Natural Resources Department</b><br><b>OIL CONSERVATION DIVISION</b>                           | Revised July 9, 2024<br>PAGE 1 OF 2 |
|                                                                 | Submittal Type: <input checked="" type="checkbox"/> Initial Submittal<br><input type="checkbox"/> Amended Report<br><input type="checkbox"/> As Drilled |                                     |

## WELL LOCATION INFORMATION

|                                                                                                                                                        |                                                   |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br><b>30-025-54502</b>                                                                                                                      | Pool Code<br>[24270]                              | Pool Name<br>FEATHERSTONE; BONE SPRING, EAST                                                                                                           |
| Property Code<br><b>337083</b>                                                                                                                         | Property Name<br>SAGE BRUSH 22302 25-24 STATE COM | Well Number<br>2H                                                                                                                                      |
| OGRID No.<br>260297                                                                                                                                    | Operator Name<br>BTA OIL PRODUCERS, LLC           | Ground Level Elevation<br>3675'                                                                                                                        |
| Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                                   | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

## Surface Location

|    |         |          |       |     |              |              |                  |                   |        |
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## Bottom Hole Location

|    |         |          |       |     |              |              |                  |                   |        |
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|                           |                         |                   |                                                                                                    |                    |
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| Dedicated Acres<br>160.00 | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N)                                                                     | Consolidation Code |
| Order Numbers:            |                         |                   | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No |                    |

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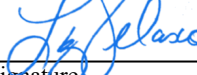
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Signature \_\_\_\_\_ Date 2/24/2025  
Printed Name Liz Velasco  
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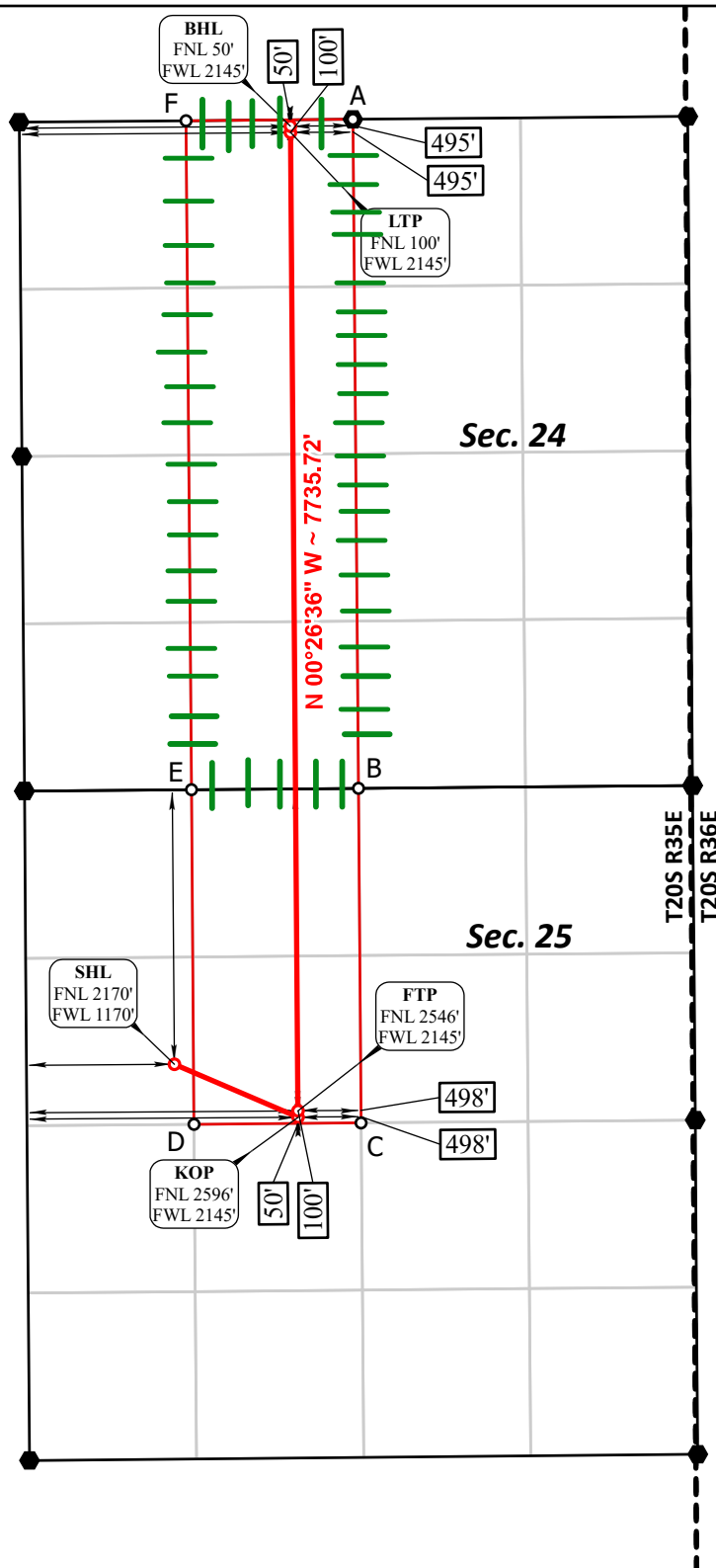
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○ Drill Line Events    ● Section Corners    — Drill Line    ⇄ Dimension Lines    ■ Federal Leases    ■ Project Area  
All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99981205 and a Convergence Angle: 0.44922778°



JOB No. BTA\_0032\_SB  
REV 1 NDS 2/14/2025

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 384320

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                   |                                                 |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Operator Name and Address:<br>BTA OIL PRODUCERS, LLC [260297]<br>104 S Pecos<br>Midland, TX 79701 | API Number:<br>30-025-54502                     |
|                                                                                                   | Well:<br>SAGE BRUSH 22302 25 24 STATE COM #002H |

| OCD Reviewer  | Condition                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| matthew.gomez | A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.                                                                                                                                                                                                |
| matthew.gomez | Notify the OCD 24 hours prior to casing & cement.                                                                                                                                                                                                                     |
| matthew.gomez | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string. |
| matthew.gomez | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.                  |
| matthew.gomez | Cement is required to circulate on both surface and intermediate1 strings of casing.                                                                                                                                                                                  |
| matthew.gomez | If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.                                                                                                                                                            |
| matthew.gomez | File As Drilled C-102 and a directional Survey with C-104 completion packet.                                                                                                                                                                                          |

State of New Mexico  
Energy, Minerals and Natural Resources Department

Submit Electronically  
Via E-permitting

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description

Effective May 25, 2021

**I. Operator:** BTA Oil Producers, LLC **OGRID:** 260297 **Date:** 3 / 4 /2025

**II. Type<sup>x</sup>** ☐ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name          | API | ULSTR        | Footages           | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|--------------------|-----|--------------|--------------------|-----------------------|-----------------------|----------------------------------|
| SAGE BRUSH 22302   |     | E-25-20S-35E | 2170 FNL, 1170 FWL | +/- 800               | +/- 2000              | +/- 1200                         |
| 25-24 STATE COM 2H |     |              |                    |                       |                       |                                  |

**IV. Central Delivery Point Name:** SAGE BRUSH CTB [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name          | API | Spud Date | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|--------------------|-----|-----------|-----------------|------------------------------|------------------------|-----------------------|
| SAGE BRUSH 22302   |     | 4/14/2025 | 5/4/2025        | 5/18/2025                    | 6/8/2025               | 7/8/2025              |
| 25-24 STATE COM 2H |     |           |                 |                              |                        |                       |

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

## **Section 2 – Enhanced Plan**

### **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### **IX. Anticipated Natural Gas Production:**

| Well | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
|------|-----|--------------------------------------------|----------------------------------------------------------|
|      |     |                                            |                                                          |
|      |     |                                            |                                                          |

#### **X. Natural Gas Gathering System (NGGS):**

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
|----------|--------|-----------------|----------------------------------|-----------------------------------------------------------|
|          |        |                 |                                  |                                                           |
|          |        |                 |                                  |                                                           |

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

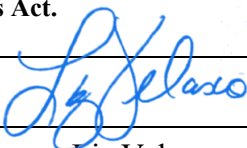
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

|                                                                                           |                                                                                   |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Signature:                                                                                |  |
| Printed Name:                                                                             | Liz Velasco                                                                       |
| Title:                                                                                    | Regulatory Analyst                                                                |
| E-mail Address:                                                                           | lvelasco@btaoil.com                                                               |
| Date:                                                                                     | 3/4/2025                                                                          |
| Phone:                                                                                    | 432-682-3753                                                                      |
| <b>OIL CONSERVATION DIVISION</b><br>(Only applicable when submitted as a standalone form) |                                                                                   |
| Approved By:                                                                              |                                                                                   |
| Title:                                                                                    |                                                                                   |
| Approval Date:                                                                            |                                                                                   |
| Conditions of Approval:                                                                   |                                                                                   |

**VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.**

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Separation equipment will allow for adequate retention time to allow gas and liquids to separate.
- Separation equipment will utilize air power pneumatic dump controllers and ventless pressure control valves.
- Separation equipment will separate all three phases (Oil, Water, and Gas).
- Storage tanks will utilize blanket gas and vapor recovery systems to moderate tank pressures and capture gas from storage tanks.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

**VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.**

**Drilling Operations**

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

**Completions/Recompletions Operations**

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

**Production Operations**

- Weekly AVOs will be performed on all facilities that produce more than 60 MCFD.
- All facilities will be inspected with an Optical Gas Imaging Thermographer Camera quarterly to find and repair fugitive emissions.
- Leaking thief hatches and pressure safety valves found during AVOs will be cleaned and properly re-sealed.

- All flares will be equipped with continuous pilot system and air assist systems that will ensure the flare burns efficiently.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All gas lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.

### **Performance Standards**

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- All gas will have multiple points of separation to ensure no liquids enter flares, combustors, or gas sales line.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 MCFD.
- All OOOOa facilities will be filmed with an Optical Gas Imaging Thermographer camera once per month to check for fugitive emissions.

### **Measurement & Estimation**

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- All meters will be calibrated at regular intervals according to meter manufacturer recommendations.
- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

### **VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.**

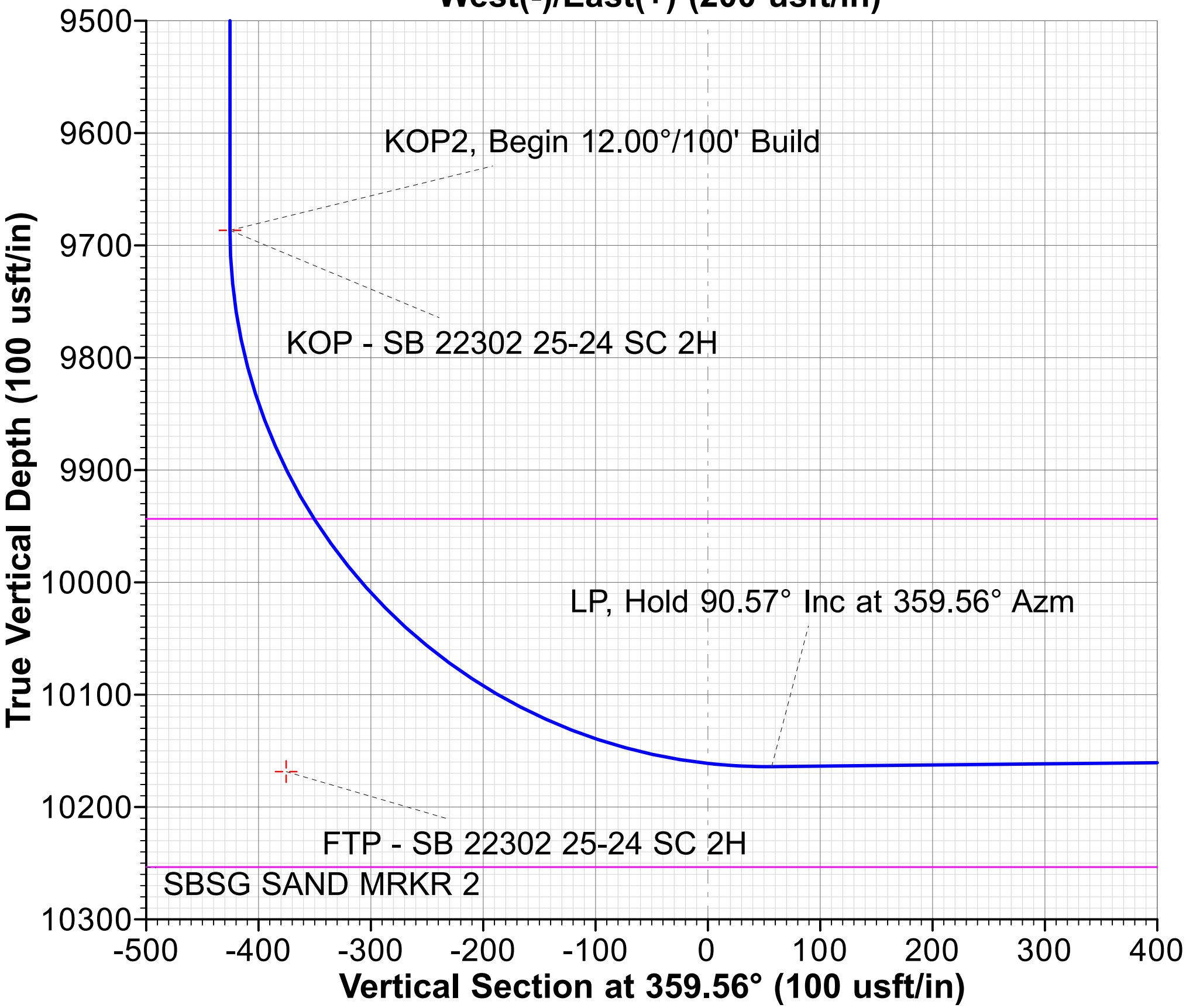
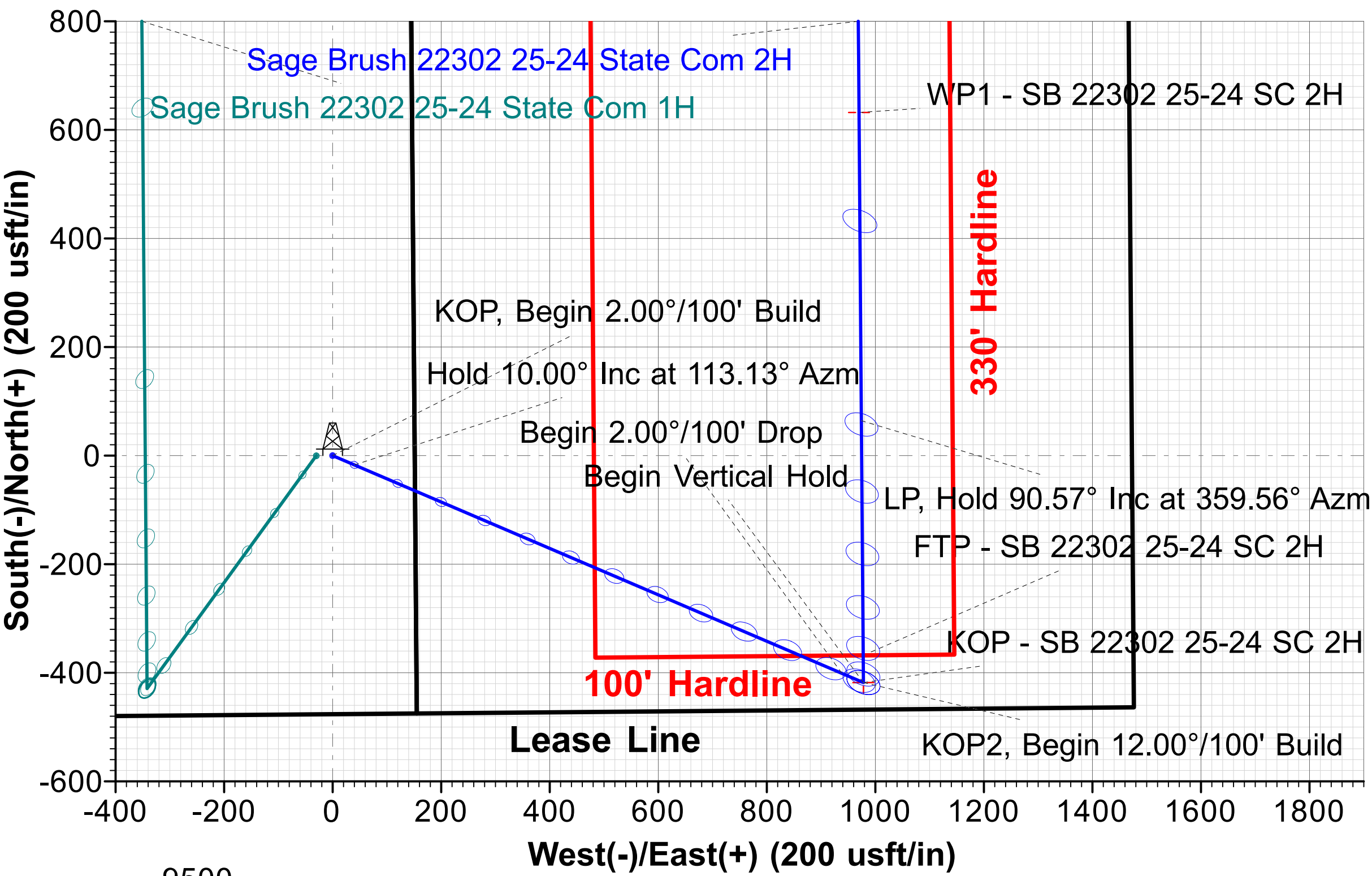
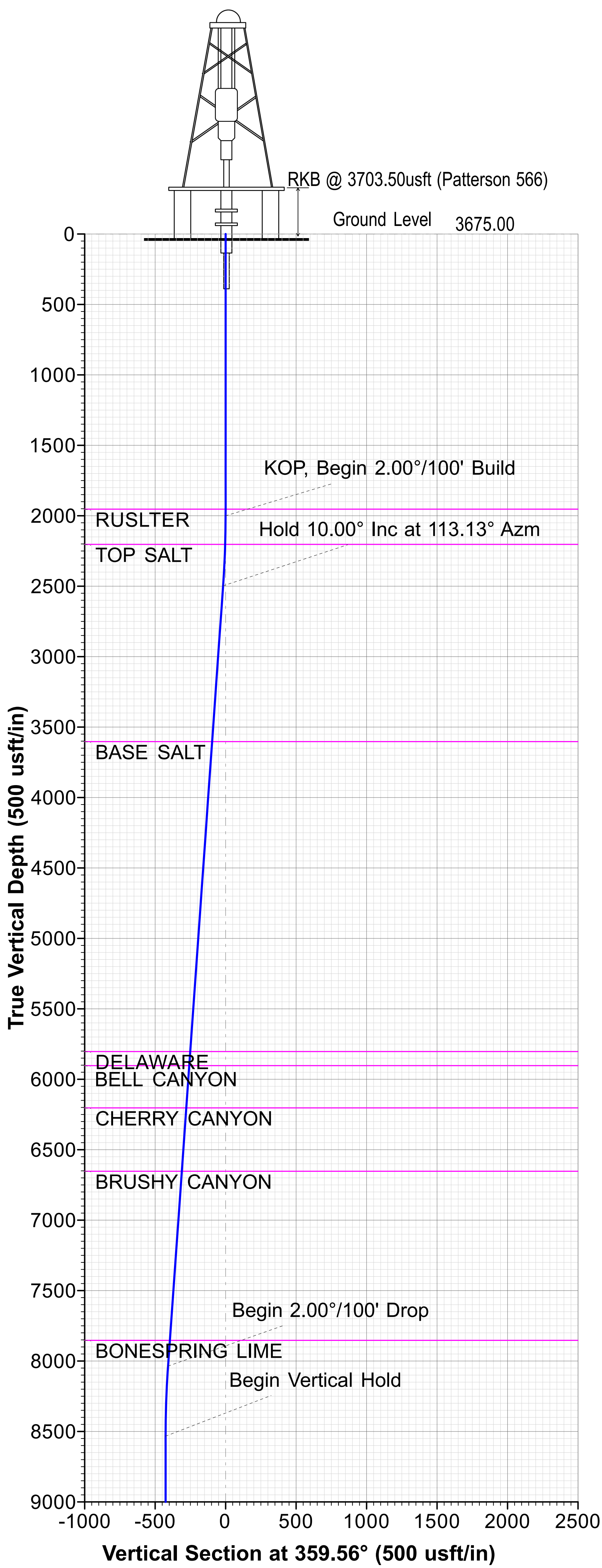
- During downhole well maintenance, BTA will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.

Project: Lea County, NM (NAD83 NME)  
Site: SB 22302 25-24 SC  
Well: Sage Brush 22302 25-24 State Com 2H  
Wellbore: OH  
Design: Plan 1 03-03-25  
Rig: Patterson 566

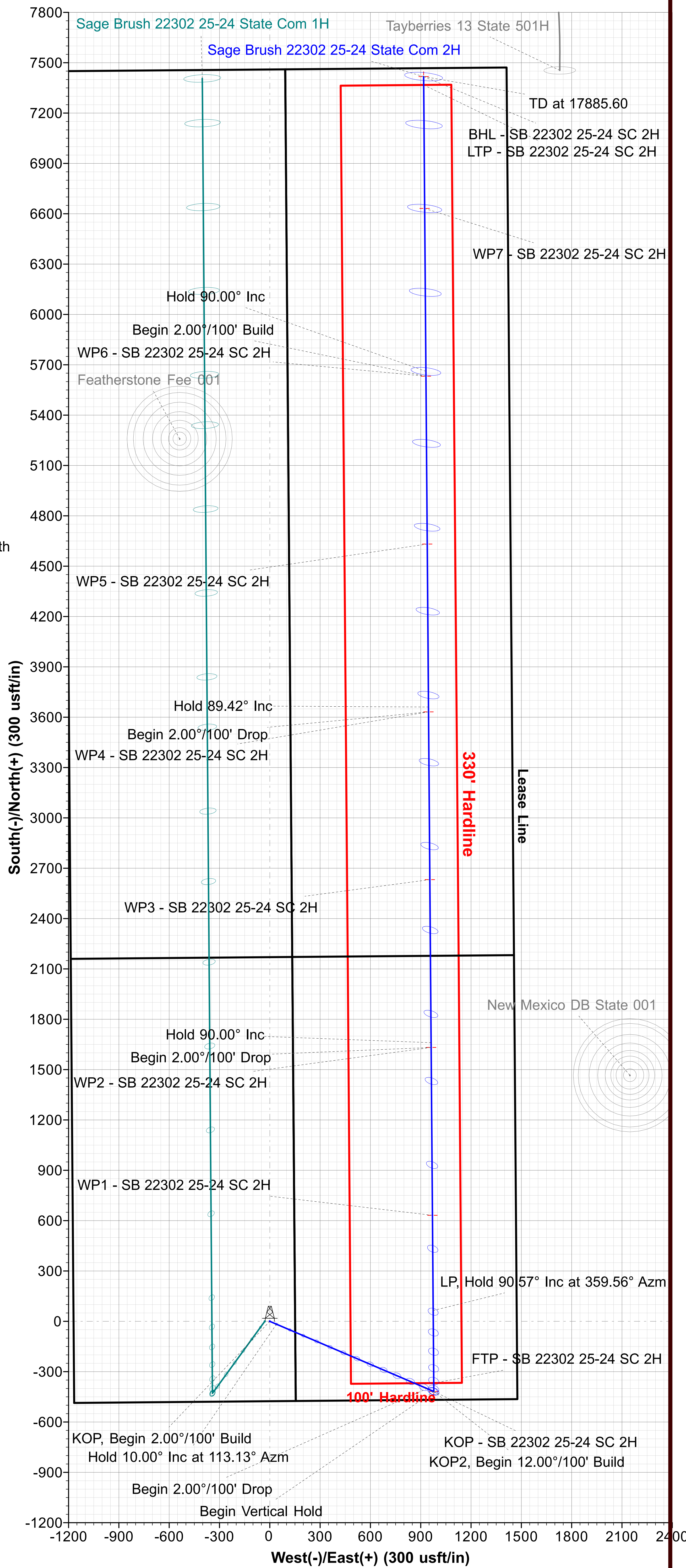
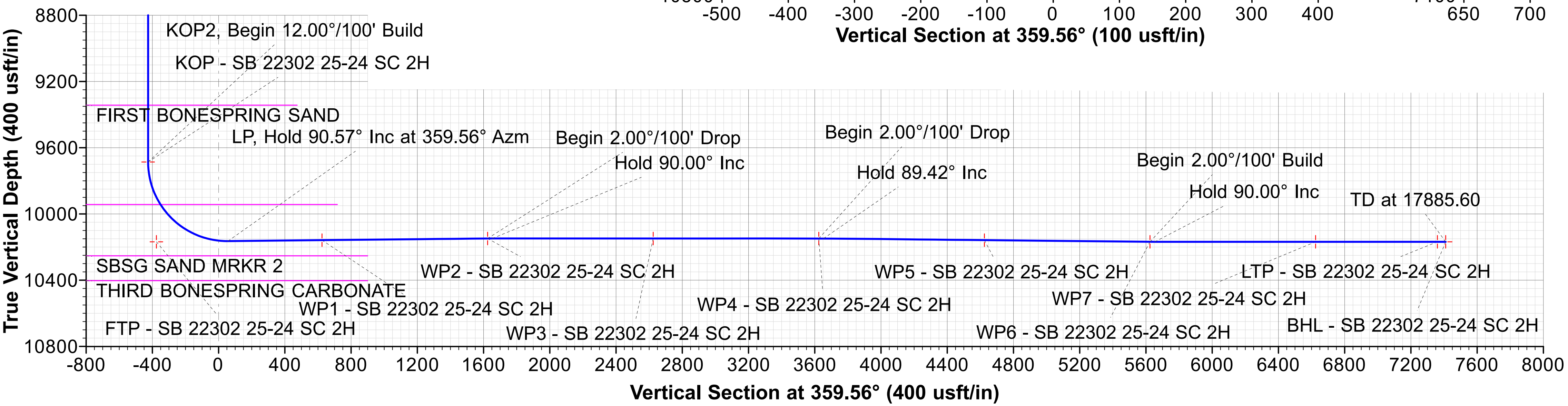
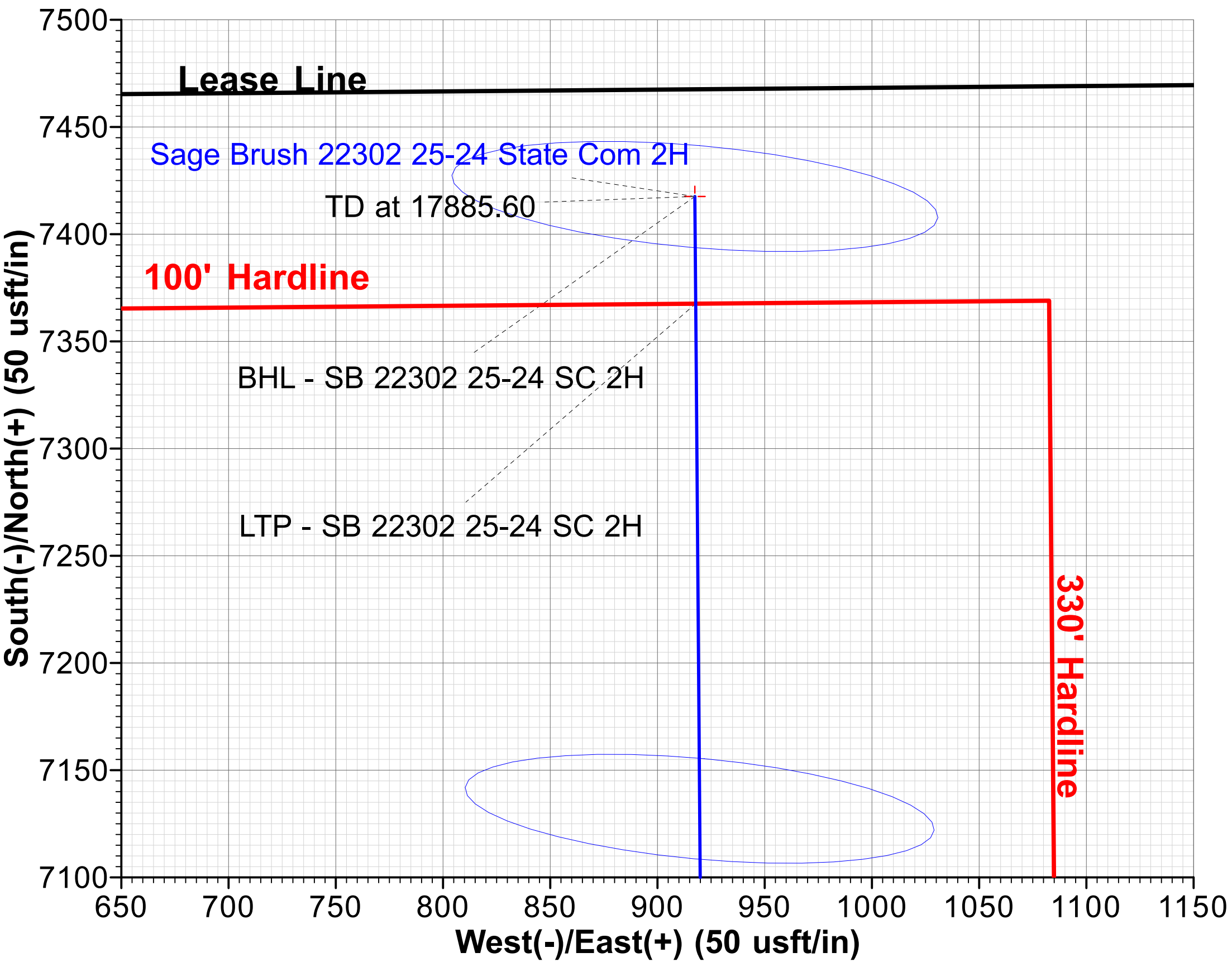


**Azimuths to Grid North**  
True North: -0.49°  
Magnetic North: 5.63°  
  
**Magnetic Field**  
Strength: 47421.2nT  
Dip Angle: 60.29°  
Date: 5/3/2025  
Model: MVHD

| WELL DETAILS         |          |       |        |           |         |           |       |                     |         |                            |                                    |
|----------------------|----------|-------|--------|-----------|---------|-----------|-------|---------------------|---------|----------------------------|------------------------------------|
| Ground Level 3675.00 |          |       |        |           |         |           |       |                     |         |                            |                                    |
|                      |          | +N/-S | +E/-W  | Northing  |         | Easting   |       | Latitude            |         | Longitude                  |                                    |
|                      |          | 0.00  | 0.00   | 563387.74 |         | 824136.44 |       | 32° 32' 43.658018 N |         | 103° 24' 56.107499 W       |                                    |
| SECTION DETAILS      |          |       |        |           |         |           |       |                     |         |                            |                                    |
| Sec                  | MD       | Inc   | Azi    | TVD       | +N/-S   | +E/-W     | Dleg  | TFace               | VSect   | Target                     | Annotation                         |
| 1                    | 0.00     | 0.00  | 0.00   | 0.00      | 0.00    | 0.00      | 0.00  | 0.000               | 0.00    |                            |                                    |
| 2                    | 2000.00  | 0.00  | 0.00   | 2000.00   | 0.00    | 0.00      | 0.00  | 0.000               | 0.00    |                            | KOP, Begin 2.00°/100' Build        |
| 3                    | 2500.00  | 10.00 | 113.13 | 2497.47   | -17.10  | 40.02     | 2.00  | 113.134             | -17.41  |                            | Hold 10.00° Inc at 113.13° Azm     |
| 4                    | 8124.09  | 10.00 | 113.13 | 8036.12   | -400.79 | 938.11    | 0.00  | 0.000               | -407.98 |                            | Begin 2.00°/100' Drop              |
| 5                    | 8624.09  | 0.00  | 0.00   | 8533.58   | -417.89 | 978.13    | 2.00  | 180.000             | -425.39 |                            | Begin Vertical Hold                |
| 6                    | 9777.17  | 0.00  | 0.00   | 9686.66   | -417.89 | 978.13    | 0.00  | 0.000               | -425.39 | KOP - SB 22302 25-24 SC 2H | KOP2, Begin 12.00°/100' Build      |
| 7                    | 10531.92 | 90.57 | 359.56 | 10164.10  | 64.31   | 974.40    | 12.00 | 359.557             | 56.83   |                            | LP, Hold 90.57° Inc at 359.56° Azm |
| 8                    | 12099.79 | 90.57 | 359.56 | 10148.50  | 1632.05 | 962.27    | 0.00  | 0.000               | 1624.61 | WP2 - SB 22302 25-24 SC 2H | Begin 2.00°/100' Drop              |
| 9                    | 12128.50 | 90.00 | 359.56 | 10148.36  | 1660.76 | 962.05    | 2.00  | -179.980            | 1653.32 |                            | Hold 90.00° Inc                    |
| 10                   | 14099.79 | 90.00 | 359.56 | 10148.50  | 3631.99 | 946.79    | 0.00  | 0.000               | 3624.61 | WP4 - SB 22302 25-24 SC 2H | Begin 2.00°/100' Drop              |
| 11                   | 14128.43 | 89.42 | 359.56 | 10148.65  | 3660.63 | 946.57    | 2.00  | 180.000             | 3653.26 |                            | Hold 89.42° Inc                    |
| 12                   | 16099.89 | 89.42 | 359.56 | 10168.50  | 5631.93 | 931.31    | 0.00  | 0.000               | 5624.61 | WP6 - SB 22302 25-24 SC 2H | Begin 2.00°/100' Build             |
| 13                   | 16128.98 | 90.00 | 359.56 | 10168.65  | 5661.02 | 931.08    | 2.00  | 0.005               | 5653.70 |                            | Hold 90.00° Inc                    |
| 14                   | 17885.60 | 90.00 | 359.56 | 10168.50  | 7417.59 | 917.49    | 0.00  | 0.000               | 7410.33 | BHL - SB 22302 25-24 SC 2H | TD at 17885.60                     |



Map System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone Name: New Mexico Eastern Zone  
  
Local Origin: Well Sage Brush 22302 25-24 State Com 2H, Grid North  
  
Latitude: 32° 32' 43.658018 N  
Longitude: 103° 24' 56.107499 W  
  
Grid East: 824136.44  
Grid North: 563387.74  
Scale Factor: 1.000  
  
Geomagnetic Model: MVHD  
Sample Date: 03-May-25  
Magnetic Declination: 6.126°  
Dip Angle from Horizontal: 60.285°  
Magnetic Field Strength: 47421.21858286nT  
  
To convert a Magnetic Direction to a Grid Direction, Add 5.632°  
To convert a Magnetic Direction to a True Direction, Add 6.126° East  
To convert a True Direction to a Grid Direction, Subtract 0.494°





## **BTA Oil Producers, LLC**

**Lea County, NM (NAD83 NME)**

**SB 22302 25-24 SC**

**Sage Brush 22302 25-24 State Com 2H**

**OH**

**Plan: Plan 1 03-03-25**

## **Standard Planning Report**

**03 March, 2025**





# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

|                    |                            |                      |                |
|--------------------|----------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD83 NME) |                      |                |
| <b>Map System:</b> | US State Plane 1983        | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983  |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone    |                      |                |

|                       |                   |              |                 |                   |                      |
|-----------------------|-------------------|--------------|-----------------|-------------------|----------------------|
| Site                  | SB 22302 25-24 SC |              |                 |                   |                      |
| Site Position:        |                   | Northing:    | 563,387.49 usft | Latitude:         | 32° 32' 43.658102 N  |
| From:                 | Map               | Easting:     | 824,106.44 usft | Longitude:        | 103° 24' 56.457971 W |
| Position Uncertainty: | 0.00 usft         | Slot Radius: | 13-3/16 "       | Grid Convergence: | 0.494 °              |

| Well                 | Sage Brush 22302 25-24 State Com 2H |            |                     |                 |               |                      |
|----------------------|-------------------------------------|------------|---------------------|-----------------|---------------|----------------------|
| Well Position        | +N/-S                               | 0.25 usft  | Northing:           | 563,387.74 usft | Latitude:     | 32° 32' 43.658018 N  |
|                      | +E/-W                               | 30.00 usft | Easting:            | 824,136.44 usft | Longitude:    | 103° 24' 56.107499 W |
| Position Uncertainty | 1.00 usft                           |            | Wellhead Elevation: |                 | Ground Level: | 3,675.00 usft        |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | MVHD              | 5/3/2025           | 6.126                  | 60.285               | 47,421.21858287            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan 1 03-03-25                |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                | 0.00                 | 359.56               |

|                                 |                        |                          |                      |                                |
|---------------------------------|------------------------|--------------------------|----------------------|--------------------------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 3/3/2025                 |                      |                                |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>     | <b>Remarks</b>                 |
| 1                               | 0.00                   | 17,885.60                | Plan 1 03-03-25 (OH) | B001Mc_MWD+HRGM_R5<br>MWD+HRGM |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| 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            |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.000    |                   |
| 2,000.00              | 0.00            | 0.00        | 2,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.000    |                   |
| 2,500.00              | 10.00           | 113.13      | 2,497.47              | -17.10       | 40.02        | 2.00                    | 2.00                   | 0.00                  | 113.134  |                   |
| 8,124.09              | 10.00           | 113.13      | 8,036.12              | -400.79      | 938.11       | 0.00                    | 0.00                   | 0.00                  | 0.000    |                   |
| 8,624.09              | 0.00            | 0.00        | 8,533.58              | -417.89      | 978.13       | 2.00                    | -2.00                  | 0.00                  | 180.000  |                   |
| 9,777.17              | 0.00            | 0.00        | 9,686.66              | -417.89      | 978.13       | 0.00                    | 0.00                   | 0.00                  | 0.000    | KOP - SB 22302 25 |
| 10,531.92             | 90.57           | 359.56      | 10,164.10             | 64.31        | 974.40       | 12.00                   | 12.00                  | -0.06                 | 359.557  |                   |
| 12,099.79             | 90.57           | 359.56      | 10,148.50             | 1,632.05     | 962.27       | 0.00                    | 0.00                   | 0.00                  | 0.000    | WP2 - SB 22302 25 |
| 12,128.50             | 90.00           | 359.56      | 10,148.36             | 1,660.76     | 962.05       | 2.00                    | -2.00                  | 0.00                  | -179.980 |                   |
| 14,099.79             | 90.00           | 359.56      | 10,148.50             | 3,631.99     | 946.79       | 0.00                    | 0.00                   | 0.00                  | 0.000    | WP4 - SB 22302 25 |
| 14,128.43             | 89.42           | 359.56      | 10,148.65             | 3,660.63     | 946.57       | 2.00                    | -2.00                  | 0.00                  | 180.000  |                   |
| 16,099.89             | 89.42           | 359.56      | 10,168.50             | 5,631.93     | 931.31       | 0.00                    | 0.00                   | 0.00                  | 0.000    | WP6 - SB 22302 25 |
| 16,128.98             | 90.00           | 359.56      | 10,168.65             | 5,661.02     | 931.08       | 2.00                    | 2.00                   | 0.00                  | 0.005    |                   |
| 17,885.60             | 90.00           | 359.56      | 10,168.50             | 7,417.59     | 917.49       | 0.00                    | 0.00                   | 0.00                  | 0.000    | BHL - SB 22302 25 |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| Planned Survey                        |                 |             |                       |              |              |                         |                         |                        |                       |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,953.50                              | 0.00            | 0.00        | 1,953.50              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>RUSLTER</b>                        |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,000.00                              | 0.00            | 0.00        | 2,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP, Begin 2.00°/100' Build</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,100.00                              | 2.00            | 113.13      | 2,099.98              | -0.69        | 1.60         | -0.70                   | 2.00                    | 2.00                   | 0.00                  |
| 2,200.00                              | 4.00            | 113.13      | 2,199.84              | -2.74        | 6.42         | -2.79                   | 2.00                    | 2.00                   | 0.00                  |
| 2,203.67                              | 4.07            | 113.13      | 2,203.50              | -2.84        | 6.66         | -2.89                   | 2.00                    | 2.00                   | 0.00                  |
| <b>TOP SALT</b>                       |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,300.00                              | 6.00            | 113.13      | 2,299.45              | -6.17        | 14.43        | -6.28                   | 2.00                    | 2.00                   | 0.00                  |
| 2,400.00                              | 8.00            | 113.13      | 2,398.70              | -10.95       | 25.64        | -11.15                  | 2.00                    | 2.00                   | 0.00                  |
| 2,500.00                              | 10.00           | 113.13      | 2,497.47              | -17.10       | 40.02        | -17.41                  | 2.00                    | 2.00                   | 0.00                  |
| <b>Hold 10.00° Inc at 113.13° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,600.00                              | 10.00           | 113.13      | 2,595.95              | -23.92       | 55.99        | -24.35                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00                              | 10.00           | 113.13      | 2,694.43              | -30.74       | 71.96        | -31.30                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00                              | 10.00           | 113.13      | 2,792.91              | -37.57       | 87.93        | -38.24                  | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00                              | 10.00           | 113.13      | 2,891.39              | -44.39       | 103.90       | -45.18                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00                              | 10.00           | 113.13      | 2,989.87              | -51.21       | 119.87       | -52.13                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00                              | 10.00           | 113.13      | 3,088.35              | -58.03       | 135.83       | -59.07                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00                              | 10.00           | 113.13      | 3,186.83              | -64.86       | 151.80       | -66.02                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00                              | 10.00           | 113.13      | 3,285.31              | -71.68       | 167.77       | -72.96                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00                              | 10.00           | 113.13      | 3,383.79              | -78.50       | 183.74       | -79.91                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00                              | 10.00           | 113.13      | 3,482.27              | -85.32       | 199.71       | -86.85                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00                              | 10.00           | 113.13      | 3,580.75              | -92.14       | 215.68       | -93.80                  | 0.00                    | 0.00                   | 0.00                  |
| 3,623.10                              | 10.00           | 113.13      | 3,603.50              | -93.72       | 219.36       | -95.40                  | 0.00                    | 0.00                   | 0.00                  |
| <b>BASE SALT</b>                      |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,700.00                              | 10.00           | 113.13      | 3,679.23              | -98.97       | 231.65       | -100.74                 | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00                              | 10.00           | 113.13      | 3,777.72              | -105.79      | 247.61       | -107.69                 | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00                              | 10.00           | 113.13      | 3,876.20              | -112.61      | 263.58       | -114.63                 | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00                              | 10.00           | 113.13      | 3,974.68              | -119.43      | 279.55       | -121.58                 | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00                              | 10.00           | 113.13      | 4,073.16              | -126.26      | 295.52       | -128.52                 | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00                              | 10.00           | 113.13      | 4,171.64              | -133.08      | 311.49       | -135.47                 | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00                              | 10.00           | 113.13      | 4,270.12              | -139.90      | 327.46       | -142.41                 | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00                              | 10.00           | 113.13      | 4,368.60              | -146.72      | 343.42       | -149.36                 | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00                              | 10.00           | 113.13      | 4,467.08              | -153.54      | 359.39       | -156.30                 | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00                              | 10.00           | 113.13      | 4,565.56              | -160.37      | 375.36       | -163.24                 | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00                              | 10.00           | 113.13      | 4,664.04              | -167.19      | 391.33       | -170.19                 | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00                              | 10.00           | 113.13      | 4,762.52              | -174.01      | 407.30       | -177.13                 | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00                              | 10.00           | 113.13      | 4,861.00              | -180.83      | 423.27       | -184.08                 | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00                              | 10.00           | 113.13      | 4,959.48              | -187.66      | 439.24       | -191.02                 | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00                              | 10.00           | 113.13      | 5,057.97              | -194.48      | 455.20       | -197.97                 | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00                              | 10.00           | 113.13      | 5,156.45              | -201.30      | 471.17       | -204.91                 | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00                              | 10.00           | 113.13      | 5,254.93              | -208.12      | 487.14       | -211.86                 | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00                              | 10.00           | 113.13      | 5,353.41              | -214.95      | 503.11       | -218.80                 | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00                              | 10.00           | 113.13      | 5,451.89              | -221.77      | 519.08       | -225.75                 | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00                              | 10.00           | 113.13      | 5,550.37              | -228.59      | 535.05       | -232.69                 | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00                              | 10.00           | 113.13      | 5,648.85              | -235.41      | 551.02       | -239.64                 | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00                              | 10.00           | 113.13      | 5,747.33              | -242.23      | 566.98       | -246.58                 | 0.00                    | 0.00                   | 0.00                  |
| 5,857.04                              | 10.00           | 113.13      | 5,803.50              | -246.13      | 576.09       | -250.54                 | 0.00                    | 0.00                   | 0.00                  |
| <b>DELAWARE</b>                       |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,900.00                              | 10.00           | 113.13      | 5,845.81              | -249.06      | 582.95       | -253.53                 | 0.00                    | 0.00                   | 0.00                  |
| 5,958.58                              | 10.00           | 113.13      | 5,903.50              | -253.05      | 592.31       | -257.59                 | 0.00                    | 0.00                   | 0.00                  |
| <b>BELL CANYON</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| Planned Survey                       |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 6,000.00                             | 10.00           | 113.13      | 5,944.29              | -255.88      | 598.92       | -260.47                 | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00                             | 10.00           | 113.13      | 6,042.77              | -262.70      | 614.89       | -267.42                 | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00                             | 10.00           | 113.13      | 6,141.25              | -269.52      | 630.86       | -274.36                 | 0.00                    | 0.00                   | 0.00                  |
| 6,263.21                             | 10.00           | 113.13      | 6,203.50              | -273.84      | 640.95       | -278.75                 | 0.00                    | 0.00                   | 0.00                  |
| <b>CHERRY CANYON</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,300.00                             | 10.00           | 113.13      | 6,239.73              | -276.35      | 646.83       | -281.31                 | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00                             | 10.00           | 113.13      | 6,338.22              | -283.17      | 662.79       | -288.25                 | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00                             | 10.00           | 113.13      | 6,436.70              | -289.99      | 678.76       | -295.19                 | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00                             | 10.00           | 113.13      | 6,535.18              | -296.81      | 694.73       | -302.14                 | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00                             | 10.00           | 113.13      | 6,633.66              | -303.64      | 710.70       | -309.08                 | 0.00                    | 0.00                   | 0.00                  |
| 6,720.15                             | 10.00           | 113.13      | 6,653.50              | -305.01      | 713.92       | -310.48                 | 0.00                    | 0.00                   | 0.00                  |
| <b>BRUSHY CANYON</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,800.00                             | 10.00           | 113.13      | 6,732.14              | -310.46      | 726.67       | -316.03                 | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00                             | 10.00           | 113.13      | 6,830.62              | -317.28      | 742.64       | -322.97                 | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00                             | 10.00           | 113.13      | 6,929.10              | -324.10      | 758.61       | -329.92                 | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00                             | 10.00           | 113.13      | 7,027.58              | -330.92      | 774.57       | -336.86                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00                             | 10.00           | 113.13      | 7,126.06              | -337.75      | 790.54       | -343.81                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00                             | 10.00           | 113.13      | 7,224.54              | -344.57      | 806.51       | -350.75                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00                             | 10.00           | 113.13      | 7,323.02              | -351.39      | 822.48       | -357.70                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00                             | 10.00           | 113.13      | 7,421.50              | -358.21      | 838.45       | -364.64                 | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00                             | 10.00           | 113.13      | 7,519.99              | -365.04      | 854.42       | -371.59                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00                             | 10.00           | 113.13      | 7,618.47              | -371.86      | 870.39       | -378.53                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00                             | 10.00           | 113.13      | 7,716.95              | -378.68      | 886.35       | -385.48                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00                             | 10.00           | 113.13      | 7,815.43              | -385.50      | 902.32       | -392.42                 | 0.00                    | 0.00                   | 0.00                  |
| 7,938.66                             | 10.00           | 113.13      | 7,853.50              | -388.14      | 908.50       | -395.11                 | 0.00                    | 0.00                   | 0.00                  |
| <b>BONESPRING LIME</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,000.00                             | 10.00           | 113.13      | 7,913.91              | -392.32      | 918.29       | -399.37                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00                             | 10.00           | 113.13      | 8,012.39              | -399.15      | 934.26       | -406.31                 | 0.00                    | 0.00                   | 0.00                  |
| 8,124.09                             | 10.00           | 113.13      | 8,036.12              | -400.79      | 938.11       | -407.98                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 2.00°/100' Drop</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,200.00                             | 8.48            | 113.13      | 8,111.04              | -405.58      | 949.32       | -412.86                 | 2.00                    | -2.00                  | 0.00                  |
| 8,300.00                             | 6.48            | 113.13      | 8,210.18              | -410.70      | 961.29       | -418.07                 | 2.00                    | -2.00                  | 0.00                  |
| 8,400.00                             | 4.48            | 113.13      | 8,309.72              | -414.45      | 970.07       | -421.89                 | 2.00                    | -2.00                  | 0.00                  |
| 8,500.00                             | 2.48            | 113.13      | 8,409.53              | -416.83      | 975.66       | -424.31                 | 2.00                    | -2.00                  | 0.00                  |
| 8,600.00                             | 0.48            | 113.13      | 8,509.49              | -417.85      | 978.04       | -425.35                 | 2.00                    | -2.00                  | 0.00                  |
| 8,624.09                             | 0.00            | 0.00        | 8,533.58              | -417.89      | 978.13       | -425.39                 | 2.00                    | -2.00                  | 0.00                  |
| <b>Begin Vertical Hold</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,700.00                             | 0.00            | 0.00        | 8,609.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00                             | 0.00            | 0.00        | 8,709.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00                             | 0.00            | 0.00        | 8,809.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                             | 0.00            | 0.00        | 8,909.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                             | 0.00            | 0.00        | 9,009.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                             | 0.00            | 0.00        | 9,109.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                             | 0.00            | 0.00        | 9,209.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00                             | 0.00            | 0.00        | 9,309.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,434.01                             | 0.00            | 0.00        | 9,343.50              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| <b>FIRST BONESPRING SAND</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,500.00                             | 0.00            | 0.00        | 9,409.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                             | 0.00            | 0.00        | 9,509.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                             | 0.00            | 0.00        | 9,609.49              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| 9,777.17                             | 0.00            | 0.00        | 9,686.66              | -417.89      | 978.13       | -425.39                 | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP2, Begin 12.00°/100' Build</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,800.00                             | 2.74            | 359.56      | 9,709.48              | -417.34      | 978.13       | -424.84                 | 12.00                   | 12.00                  | 0.00                  |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| Planned Survey                            |                 |             |                       |              |              |                         |                         |                        |                       |
|-------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                     | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,900.00                                  | 14.74           | 359.56      | 9,808.14              | -402.18      | 978.01       | -409.68                 | 12.00                   | 12.00                  | 0.00                  |
| 10,000.00                                 | 26.74           | 359.56      | 9,901.49              | -366.83      | 977.74       | -374.33                 | 12.00                   | 12.00                  | 0.00                  |
| 10,048.36                                 | 32.54           | 359.56      | 9,943.50              | -342.93      | 977.55       | -350.42                 | 12.00                   | 12.00                  | 0.00                  |
| <b>SECOND BONESPRING SAND</b>             |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,100.00                                 | 38.74           | 359.56      | 9,985.45              | -312.85      | 977.32       | -320.35                 | 12.00                   | 12.00                  | 0.00                  |
| 10,200.00                                 | 50.74           | 359.56      | 10,056.35             | -242.59      | 976.77       | -250.09                 | 12.00                   | 12.00                  | 0.00                  |
| 10,300.00                                 | 62.74           | 359.56      | 10,111.09             | -159.13      | 976.13       | -166.62                 | 12.00                   | 12.00                  | 0.00                  |
| 10,400.00                                 | 74.74           | 359.56      | 10,147.29             | -66.11       | 975.41       | -73.60                  | 12.00                   | 12.00                  | 0.00                  |
| 10,500.00                                 | 86.74           | 359.56      | 10,163.35             | 32.40        | 974.65       | 24.92                   | 12.00                   | 12.00                  | 0.00                  |
| 10,531.92                                 | 90.57           | 359.56      | 10,164.10             | 64.31        | 974.40       | 56.83                   | 12.00                   | 12.00                  | 0.00                  |
| <b>LP, Hold 90.57° Inc at 359.56° Azm</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,600.00                                 | 90.57           | 359.56      | 10,163.42             | 132.38       | 973.87       | 124.90                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00                                 | 90.57           | 359.56      | 10,162.43             | 232.38       | 973.10       | 224.90                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00                                 | 90.57           | 359.56      | 10,161.43             | 332.37       | 972.33       | 324.89                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00                                 | 90.57           | 359.56      | 10,160.44             | 432.36       | 971.55       | 424.89                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00                                 | 90.57           | 359.56      | 10,159.44             | 532.35       | 970.78       | 524.88                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00                                 | 90.57           | 359.56      | 10,158.45             | 632.34       | 970.00       | 624.88                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00                                 | 90.57           | 359.56      | 10,157.45             | 732.34       | 969.23       | 724.87                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00                                 | 90.57           | 359.56      | 10,156.46             | 832.33       | 968.46       | 824.87                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00                                 | 90.57           | 359.56      | 10,155.46             | 932.32       | 967.68       | 924.86                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00                                 | 90.57           | 359.56      | 10,154.47             | 1,032.31     | 966.91       | 1,024.86                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00                                 | 90.57           | 359.56      | 10,153.47             | 1,132.30     | 966.14       | 1,124.85                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00                                 | 90.57           | 359.56      | 10,152.48             | 1,232.30     | 965.36       | 1,224.85                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00                                 | 90.57           | 359.56      | 10,151.48             | 1,332.29     | 964.59       | 1,324.84                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00                                 | 90.57           | 359.56      | 10,150.49             | 1,432.28     | 963.82       | 1,424.84                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00                                 | 90.57           | 359.56      | 10,149.49             | 1,532.27     | 963.04       | 1,524.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,099.79                                 | 90.57           | 359.56      | 10,148.50             | 1,632.05     | 962.27       | 1,624.61                | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 2.00°/100' Drop</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,100.00                                 | 90.57           | 359.56      | 10,148.50             | 1,632.26     | 962.27       | 1,624.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,128.50                                 | 90.00           | 359.56      | 10,148.36             | 1,660.76     | 962.05       | 1,653.32                | 2.02                    | -2.02                  | 0.00                  |
| <b>Hold 90.00° Inc</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,200.00                                 | 90.00           | 359.56      | 10,148.36             | 1,732.26     | 961.49       | 1,724.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00                                 | 90.00           | 359.56      | 10,148.37             | 1,832.26     | 960.72       | 1,824.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00                                 | 90.00           | 359.56      | 10,148.38             | 1,932.25     | 959.95       | 1,924.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00                                 | 90.00           | 359.56      | 10,148.39             | 2,032.25     | 959.17       | 2,024.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00                                 | 90.00           | 359.56      | 10,148.39             | 2,132.25     | 958.40       | 2,124.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00                                 | 90.00           | 359.56      | 10,148.40             | 2,232.25     | 957.62       | 2,224.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00                                 | 90.00           | 359.56      | 10,148.41             | 2,332.24     | 956.85       | 2,324.83                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00                                 | 90.00           | 359.56      | 10,148.41             | 2,432.24     | 956.08       | 2,424.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00                                 | 90.00           | 359.56      | 10,148.42             | 2,532.24     | 955.30       | 2,524.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00                                 | 90.00           | 359.56      | 10,148.43             | 2,632.23     | 954.53       | 2,624.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00                                 | 90.00           | 359.56      | 10,148.44             | 2,732.23     | 953.75       | 2,724.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00                                 | 90.00           | 359.56      | 10,148.44             | 2,832.23     | 952.98       | 2,824.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00                                 | 90.00           | 359.56      | 10,148.45             | 2,932.22     | 952.21       | 2,924.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00                                 | 90.00           | 359.56      | 10,148.46             | 3,032.22     | 951.43       | 3,024.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00                                 | 90.00           | 359.56      | 10,148.46             | 3,132.22     | 950.66       | 3,124.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00                                 | 90.00           | 359.56      | 10,148.47             | 3,232.22     | 949.88       | 3,224.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00                                 | 90.00           | 359.56      | 10,148.48             | 3,332.21     | 949.11       | 3,324.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00                                 | 90.00           | 359.56      | 10,148.49             | 3,432.21     | 948.34       | 3,424.83                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00                                 | 90.00           | 359.56      | 10,148.49             | 3,532.21     | 947.56       | 3,524.83                | 0.00                    | 0.00                   | 0.00                  |
| 14,099.79                                 | 90.00           | 359.56      | 10,148.50             | 3,631.99     | 946.79       | 3,624.61                | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 2.00°/100' Drop</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 14,100.00                                 | 90.00           | 359.56      | 10,148.50             | 3,632.20     | 946.79       | 3,624.83                | 0.00                    | 0.00                   | 0.00                  |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| Planned Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)         | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 14,128.43                     | 89.42           | 359.56      | 10,148.65             | 3,660.63     | 946.57       | 3,653.26                | 2.02                    | -2.02                  | 0.00                  |
| <b>Hold 89.42° Inc</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 14,200.00                     | 89.42           | 359.56      | 10,149.37             | 3,732.20     | 946.01       | 3,724.82                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00                     | 89.42           | 359.56      | 10,150.37             | 3,832.19     | 945.24       | 3,824.82                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00                     | 89.42           | 359.56      | 10,151.38             | 3,932.18     | 944.47       | 3,924.81                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00                     | 89.42           | 359.56      | 10,152.39             | 4,032.17     | 943.69       | 4,024.81                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00                     | 89.42           | 359.56      | 10,153.39             | 4,132.16     | 942.92       | 4,124.80                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00                     | 89.42           | 359.56      | 10,154.40             | 4,232.16     | 942.14       | 4,224.80                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00                     | 89.42           | 359.56      | 10,155.41             | 4,332.15     | 941.37       | 4,324.79                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00                     | 89.42           | 359.56      | 10,156.42             | 4,432.14     | 940.60       | 4,424.79                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00                     | 89.42           | 359.56      | 10,157.42             | 4,532.13     | 939.82       | 4,524.78                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00                     | 89.42           | 359.56      | 10,158.43             | 4,632.12     | 939.05       | 4,624.78                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00                     | 89.42           | 359.56      | 10,159.44             | 4,732.12     | 938.27       | 4,724.77                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00                     | 89.42           | 359.56      | 10,160.44             | 4,832.11     | 937.50       | 4,824.77                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00                     | 89.42           | 359.56      | 10,161.45             | 4,932.10     | 936.73       | 4,924.76                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00                     | 89.42           | 359.56      | 10,162.46             | 5,032.09     | 935.95       | 5,024.76                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00                     | 89.42           | 359.56      | 10,163.47             | 5,132.08     | 935.18       | 5,124.75                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00                     | 89.42           | 359.56      | 10,164.47             | 5,232.08     | 934.40       | 5,224.75                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00                     | 89.42           | 359.56      | 10,165.48             | 5,332.07     | 933.63       | 5,324.74                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00                     | 89.42           | 359.56      | 10,166.49             | 5,432.06     | 932.86       | 5,424.74                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00                     | 89.42           | 359.56      | 10,167.49             | 5,532.05     | 932.08       | 5,524.73                | 0.00                    | 0.00                   | 0.00                  |
| 16,099.89                     | 89.42           | 359.56      | 10,168.50             | 5,631.93     | 931.31       | 5,624.61                | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin 2.00°/100' Build</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,100.00                     | 89.42           | 359.56      | 10,168.50             | 5,632.04     | 931.31       | 5,624.73                | 0.00                    | 0.00                   | 0.00                  |
| 16,128.98                     | 90.00           | 359.56      | 10,168.65             | 5,661.02     | 931.08       | 5,653.70                | 2.01                    | 2.01                   | 0.00                  |
| <b>Hold 90.00° Inc</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,200.00                     | 90.00           | 359.56      | 10,168.64             | 5,732.04     | 930.54       | 5,724.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00                     | 90.00           | 359.56      | 10,168.63             | 5,832.04     | 929.76       | 5,824.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00                     | 90.00           | 359.56      | 10,168.62             | 5,932.03     | 928.99       | 5,924.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00                     | 90.00           | 359.56      | 10,168.61             | 6,032.03     | 928.21       | 6,024.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00                     | 90.00           | 359.56      | 10,168.61             | 6,132.03     | 927.44       | 6,124.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00                     | 90.00           | 359.56      | 10,168.60             | 6,232.02     | 926.67       | 6,224.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00                     | 90.00           | 359.56      | 10,168.59             | 6,332.02     | 925.89       | 6,324.72                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00                     | 90.00           | 359.56      | 10,168.58             | 6,432.02     | 925.12       | 6,424.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00                     | 90.00           | 359.56      | 10,168.57             | 6,532.02     | 924.34       | 6,524.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,100.00                     | 90.00           | 359.56      | 10,168.57             | 6,632.01     | 923.57       | 6,624.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00                     | 90.00           | 359.56      | 10,168.56             | 6,732.01     | 922.80       | 6,724.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,300.00                     | 90.00           | 359.56      | 10,168.55             | 6,832.01     | 922.02       | 6,824.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,400.00                     | 90.00           | 359.56      | 10,168.54             | 6,932.00     | 921.25       | 6,924.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,500.00                     | 90.00           | 359.56      | 10,168.53             | 7,032.00     | 920.47       | 7,024.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,600.00                     | 90.00           | 359.56      | 10,168.52             | 7,132.00     | 919.70       | 7,124.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,700.00                     | 90.00           | 359.56      | 10,168.52             | 7,231.99     | 918.93       | 7,224.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,800.00                     | 90.00           | 359.56      | 10,168.51             | 7,331.99     | 918.15       | 7,324.72                | 0.00                    | 0.00                   | 0.00                  |
| 17,885.60                     | 90.00           | 359.56      | 10,168.50             | 7,417.59     | 917.49       | 7,410.33                | 0.00                    | 0.00                   | 0.00                  |
| <b>TD at 17885.60</b>         |                 |             |                       |              |              |                         |                         |                        |                       |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| Design Targets                                                                                                                     |           |          |           |          |        |            |            |                                        |           |
|------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-----------|----------|--------|------------|------------|----------------------------------------|-----------|
| Target Name                                                                                                                        |           |          |           |          |        |            |            |                                        |           |
| - hit/miss target                                                                                                                  | Dip Angle | Dip Dir. | TVD       | +N/-S    | +E/-W  | Northing   | Easting    | Latitude                               | Longitude |
| - Shape                                                                                                                            | (°)       | (°)      | (usft)    | (usft)   | (usft) | (usft)     | (usft)     |                                        |           |
| KOP - SB 22302 25-2<br>- plan hits target center<br>- Point                                                                        | 0.00      | 0.00     | 9,686.66  | -417.89  | 978.13 | 562,969.85 | 825,114.57 | 12° 32' 39.439752 N 3° 24' 44.723654 W |           |
| WP4 - SB 22302 25-2<br>- plan hits target center<br>- Point                                                                        | 0.00      | 0.00     | 10,148.50 | 3,631.99 | 946.79 | 567,019.73 | 825,083.23 | 12° 33' 19.513041 N 3° 24' 44.680597 W |           |
| WP3 - SB 22302 25-2<br>- plan misses target center by 0.07usft at 13099.79usft MD (10148.43 TVD, 2632.02 N, 954.53 E)<br>- Point   | 0.00      | 0.00     | 10,148.50 | 2,632.02 | 954.53 | 566,019.76 | 825,090.97 | 12° 33' 9.618412 N 3° 24' 44.691221 W  |           |
| WP2 - SB 22302 25-2<br>- plan hits target center<br>- Point                                                                        | 0.00      | 0.00     | 10,148.50 | 1,632.05 | 962.27 | 565,019.79 | 825,098.71 | 12° 32' 59.723778 N 3° 24' 44.701836 W |           |
| WP1 - SB 22302 25-2<br>- plan misses target center by 0.05usft at 11099.74usft MD (10158.45 TVD, 632.08 N, 970.01 E)<br>- Point    | 0.00      | 0.00     | 10,158.50 | 632.08   | 970.01 | 564,019.82 | 825,106.45 | 12° 32' 49.829140 N 3° 24' 44.712443 W |           |
| WP5 - SB 22302 25-2<br>- plan misses target center by 0.07usft at 15099.84usft MD (10158.43 TVD, 4631.96 N, 939.05 E)<br>- Point   | 0.00      | 0.00     | 10,158.50 | 4,631.96 | 939.05 | 568,019.70 | 825,075.49 | 12° 33' 29.407666 N 3° 24' 44.669965 W |           |
| WP6 - SB 22302 25-2<br>- plan hits target center<br>- Point                                                                        | 0.00      | 0.00     | 10,168.50 | 5,631.93 | 931.31 | 569,019.67 | 825,067.75 | 12° 33' 39.302287 N 3° 24' 44.659325 W |           |
| FTP - SB 22302 25-2<br>- plan misses target center by 167.13usft at 10191.45usft MD (10050.88 TVD, -249.16 N, 976.82 E)<br>- Point | 0.00      | 0.00     | 10,168.50 | -367.89  | 977.75 | 563,019.85 | 825,114.19 | 12° 32' 39.934498 N 3° 24' 44.723042 W |           |
| BHL - SB 22302 25-2<br>- plan hits target center<br>- Point                                                                        | 0.00      | 0.00     | 10,168.50 | 7,417.59 | 917.49 | 570,805.33 | 825,053.93 | 12° 33' 56.971235 N 3° 24' 44.640288 W |           |
| LTP - SB 22302 25-24<br>- plan misses target center by 35.60usft at 17800.00usft MD (10168.51 TVD, 7331.99 N, 918.15 E)<br>- Point | 0.00      | 0.00     | 10,168.50 | 7,367.59 | 917.88 | 570,755.33 | 825,054.32 | 12° 33' 56.476489 N 3° 24' 44.640786 W |           |
| WP7 - SB 22302 25-2<br>- plan misses target center by 0.06usft at 17099.89usft MD (10168.56 TVD, 6631.90 N, 923.57 E)<br>- Point   | 0.00      | 0.00     | 10,168.50 | 6,631.90 | 923.57 | 570,019.64 | 825,060.01 | 12° 33' 49.196904 N 3° 24' 44.648677 W |           |

| Formations            |                       |                        |           |         |                   |  |
|-----------------------|-----------------------|------------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                   | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,953.50              | 1,953.50              | RUSLTER                |           |         |                   |  |
| 2,203.67              | 2,203.50              | TOP SALT               |           |         |                   |  |
| 3,623.10              | 3,603.50              | BASE SALT              |           |         |                   |  |
| 5,857.04              | 5,803.50              | DELAWARE               |           |         |                   |  |
| 5,958.58              | 5,903.50              | BELL CANYON            |           |         |                   |  |
| 6,263.21              | 6,203.50              | CHERRY CANYON          |           |         |                   |  |
| 6,720.15              | 6,653.50              | BRUSHY CANYON          |           |         |                   |  |
| 7,938.66              | 7,853.50              | BONESPRING LIME        |           |         |                   |  |
| 9,434.01              | 9,343.50              | FIRST BONESPRING SAND  |           |         |                   |  |
| 10,048.36             | 9,943.50              | SECOND BONESPRING SAND |           |         |                   |  |



# Phoenix Technology Services

## Planning Report



|                  |                                     |                                     |                                          |
|------------------|-------------------------------------|-------------------------------------|------------------------------------------|
| <b>Database:</b> | USAEDMDB                            | <b>Local Co-ordinate Reference:</b> | Well Sage Brush 22302 25-24 State Com 2H |
| <b>Company:</b>  | BTA Oil Producers, LLC              | <b>TVD Reference:</b>               | RKB @ 3703.50usft (Patterson 566)        |
| <b>Project:</b>  | Lea County, NM (NAD83 NME)          | <b>MD Reference:</b>                | RKB @ 3703.50usft (Patterson 566)        |
| <b>Site:</b>     | SB 22302 25-24 SC                   | <b>North Reference:</b>             | Grid                                     |
| <b>Well:</b>     | Sage Brush 22302 25-24 State Com 2H | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | OH                                  |                                     |                                          |
| <b>Design:</b>   | Plan 1 03-03-25                     |                                     |                                          |

| Plan Annotations      |                       |                   |              |                                    |
|-----------------------|-----------------------|-------------------|--------------|------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                            |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                    |
| 2,000.00              | 2,000.00              | 0.00              | 0.00         | KOP, Begin 2.00°/100' Build        |
| 2,500.00              | 2,497.47              | -17.10            | 40.02        | Hold 10.00° Inc at 113.13° Azm     |
| 8,124.09              | 8,036.12              | -400.79           | 938.11       | Begin 2.00°/100' Drop              |
| 8,624.09              | 8,533.58              | -417.89           | 978.13       | Begin Vertical Hold                |
| 9,777.17              | 9,686.66              | -417.89           | 978.13       | KOP2, Begin 12.00°/100' Build      |
| 10,531.92             | 10,164.10             | 64.31             | 974.40       | LP, Hold 90.57° Inc at 359.56° Azm |
| 12,099.79             | 10,148.50             | 1,632.05          | 962.27       | Begin 2.00°/100' Drop              |
| 12,128.50             | 10,148.36             | 1,660.76          | 962.05       | Hold 90.00° Inc                    |
| 14,099.79             | 10,148.50             | 3,631.99          | 946.79       | Begin 2.00°/100' Drop              |
| 14,128.43             | 10,148.65             | 3,660.63          | 946.57       | Hold 89.42° Inc                    |
| 16,099.89             | 10,168.50             | 5,631.93          | 931.31       | Begin 2.00°/100' Build             |
| 16,128.98             | 10,168.65             | 5,661.02          | 931.08       | Hold 90.00° Inc                    |
| 17,885.60             | 10,168.50             | 7,417.59          | 917.49       | TD at 17885.60                     |