

Well Name: OCHOA 8703 FEDERAL COM	Well Location: T23S / R28E / SEC 12 / SENE / 32.322495 / -104.033622	County or Parish/State: EDDY / NM
Well Number: 9H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM103879	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001556288	Operator: BTA OIL PRODUCERS LLC	

Notice of Intent

Sundry ID: 2854842

Type of Submission: Notice of Intent Type of Action: APD Change

Date Sundry Submitted: 05/28/2025 Time Sundry Submitted: 03:39

Date proposed operation will begin: 05/27/2025

Procedure Description: BTA Oil Producers, LLC respectfully requests the following footage, casing, cement, and drill plan changes to the original APD as approved. OCHOA 8703 FEDERAL COM 9H (api #30-015-56288) is the DEFINING well (Infill wells: 5H, 6H, 7H, & 8H). Please see attached documents for more details. OLD FOOTAGES: SHL: 1814' FNL & 500' FEL (NO CHANGE) FTP: 1270' FNL & 100' FWL (NO CHANGE) KOP: 1270' FNL & 50' FWL (NO CHANGE) LTP: 1270' FNL & 2561' FWL BHL: 1270' FNL & 2611' FWL OLD FIELD & POOL: [15011] CULEBRA BLUFF; BONE SPRING, SOUTH (NO CHANGE) NEW FOOTAGES: LTP: 1103' FNL & 2559' FWL BHL: 1099' FNL & 2609' FWL

NOI Attachments

Procedure Description

- Drill_plan_OCHOA_9H_20250528150644.pdf
- Ochoa_8703_Federal_Com_9H__Plan_2_05_22_25_20250528150627.pdf
- OCHOA_8703_FEDERAL_COM_9H_REV._3__SIGNED_5.27.25_20250528150449.pdf

Received by OCD: 10/10/2025 12:13:31 PM

Page 2 of 29

Well Name: OCHOA 8703 FEDERAL COM	Well Location: T23S / R28E / SEC 12 / SENE / 32.322495 / -104.033622	County or Parish/State: EDDY / NM
Well Number: 9H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM103879	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001556288	Operator: BTA OIL PRODUCERS LLC	

Conditions of Approval

Additional

OCHOA_8703_FEDERAL_COM_9H_COAs_20250605094336.pdf

SEC12_T23SR28E_OCHOA_8703__FED_COM_Eddy__BTA_OIL_PRODUCERS_LLC_45769_JS_20250605094336.pdf

Operator

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

Operator Electronic Signature: LIZ VELASCO

Signed on: MAY 28, 2025 03:38 PM

Name: BTA OIL PRODUCERS LLC

Title: Regulatory Analyst

Street Address: 104 S PECOS STREET

City: MIDLAND

State: TX

Phone: (432) 682-3753

Email address: LVELASCO@BTAOIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 06/05/2025

Signature: Chris Walls

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM103879

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator BTA OIL PRODUCERS LLC

3a. Address 104 S. Pecos, Midland, TX 79701 3b. Phone No. (include area code) (432) 682-3753

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 12/T23S/R28E/NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. OCHOA 8703 FEDERAL COM/9H

9. API Well No. 3001556288

10. Field and Pool or Exploratory Area CULEBRA BLUFF/BONE SPRING, SOUTH

11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

BTA Oil Producers, LLC respectfully requests the following footage, casing, cement, and drill plan changes to the original APD as approved. OCHOA 8703 FEDERAL COM 9H (api #30-015-56288) is the DEFINING well (Infill wells: 5H, 6H, 7H, & 8H). Please see attached documents for more details.

OLD FOOTAGES:
SHL: 1814' FNL & 500' FEL (NO CHANGE)
FTP: 1270' FNL & 100' FWL (NO CHANGE)
KOP: 1270' FNL & 50' FWL (NO CHANGE)
LTP: 1270' FNL & 2561' FWL
BHL: 1270' FNL & 2611 FWL
OLD FIELD & POOL: [15011] CULEBRA BLUFF; BONE SPRING, SOUTH (NO CHANGE)

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) LIZ VELASCO / Ph: (432) 682-3753

Regulatory Analyst

(Electronic Submission)

Date 05/28/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Petroleum Engineer

Date 06/05/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

NEW FOOTAGES:

LTP: 1103' FNL & 2559' FWL

BHL: 1099' FNL & 2609 FWL

Location of Well

0. SHL: SENE / 1814 FNL / 500 FEL / TWSP: 23S / RANGE: 28E / SECTION: 12 / LAT: 32.322495 / LONG: -104.033622 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 1322 FNL / 0 FEL / TWSP: 23S / RANGE: 28E / SECTION: 12 / LAT: 32.323865 / LONG: -104.031995 (TVD: 6051 feet, MD: 6100 feet)

PPP: LOT 1 / 1270 FNL / 50 FWL / TWSP: 23S / RANGE: 29E / SECTION: 7 / LAT: 32.324002 / LONG: -104.031832 (TVD: 8368 feet, MD: 8421 feet)

PPP: LOT 1 / 1270 FNL / 100 FWL / TWSP: 23S / RANGE: 29E / SECTION: 7 / LAT: 32.323997 / LONG: -104.03167 (TVD: 8541 feet, MD: 8597 feet)

PPP: NENE / 1270 FNL / 0 FEL / TWSP: 23S / RANGE: 29E / SECTION: 7 / LAT: 32.323458 / LONG: -104.015629 (TVD: 9067 feet, MD: 14000 feet)

BHL: NENW / 1270 FNL / 2611 FWL / TWSP: 23S / RANGE: 29E / SECTION: 8 / LAT: 32.323525 / LONG: -104.007177 (TVD: 9131 feet, MD: 16371 feet)

CONFIDENTIAL

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA OIL PRODUCERS LLC
WELL NAME & NO.:	OCHOA 8703 FED COM 9H
LOCATION:	Section 12, T.23 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	☒ Yes	☐ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☐ Low	☒ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Wellhead Variance	☐ Diverter		
Other	☐ 4 String	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Contingency Cement Squeeze	☐ EchoMeter	☐ Primary Cement Squeeze
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements Variance	☒ Break Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The 13-3/8 inch surface casing shall be set at approximately **375 feet** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature

survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is:

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

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - b. Second stage above DV tool:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 - **Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.**
- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

- **Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in Onshore Order 1 and 2.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system))**BOPE Break Testing Variance**

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
 (575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
 (575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

- a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
- b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review.

These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the

cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.)

created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 6/5/2025

SEC12-T23SR28E_OCHOA 8703 FED COM_Eddy__BTA OIL PRODUCERS LLC_45769_JS

OCHOA 8703 FED COM

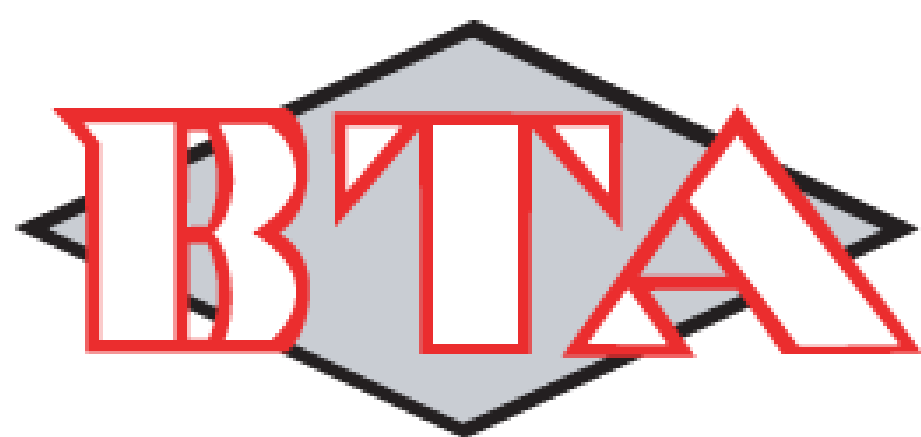
13 3/8		surface csg in a		17 1/2	inch hole.		Design Factors			Surface					
Segment	#/ft	Grade		Coupling		Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight		
"A"	54.50			j 55	stc		25.15	6.99	0.63	375	17	1.09	14.27	20,438	
"B"					stc					0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500					Tail Cmt		does not	circ to sfc.		Totals:	375				20,438
Comparison of Proposed to Minimum Required Cement Volumes															
Hole	Annular	1 Stage		1 Stage	Min		1 Stage	Drilling	Calc					Min Dist	
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft		% Excess	Mud Wt	MASP	Req'd BOPE				Hole-Cplg	
17 1/2	0.6946	225		304	260		17	8.30	2505	3M				1.56	
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.															
Site plat (pipe racks S or E) as per O.O 1.III.D.4-I: not found.															

8 5/8		casing inside the		13 3/8		Design Factors				Int 1				
Segment	#/ft	Grade		Coupling		Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	32.00			l 80		btc	2.74	0.88	1.28	8,363	1	2.33	1.53	267,616
"B"									0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 348							Totals:			8,363				267,616
The cement volume(s) are intended to achieve a top of							0	ft from surface or a		375			overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx		1 Stage CuFt Cmt		Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg			
11	0.2542	745		1609		2204	-27	10.00	2450	3M	1.54			
D V Tool(s):				2755		sum of sx			Σ CuFt		Σ%excess			
t by stage % :		13		14		1150			2493		13			
Class 'H' tail cmt yld > 1.20														
Alt Burst ok														

Tail cmt													
5 1/2		casing inside the		8 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling		Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	17.00	p 110		btc		2.55	1.51	2.39	16,380	2	4.34	3.05	278,460
"B"									0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,009									Totals:	16,380			278,460
The cement volume(s) are intended to achieve a top of						8163	ft from surface or a		200			overlap.	
Hole	Annular	1 Stage		1 Stage		8163	ft from surface or a		200			overlap.	
Size	Volume	Cmt Sx		CuFt Cmt		Min	1 Stage	Drilling	Calc			Min Dist	
7 5/6	0.1690	1210		2800		Cu Ft	% Excess	Mud Wt	MASP			Hole-Cplg	
						1390	101	9.40				0.89	
Class 'C' tail cmt yld > 1.35													

#N/A				5 1/2			Design Factors			<Choose Casing>				
Segment	#/ft	Grade		Coupling		#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"				0.00					0				0	
"B"				0.00					0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig:									Totals:	0				0
Cmt vol calc below includes this csg, TOC intended						#N/A	ft from surface or a		#N/A			overlap.		
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg			
0		#N/A	#N/A	0	#N/A									
#N/A														
Capitan Reef est top XXXX.														

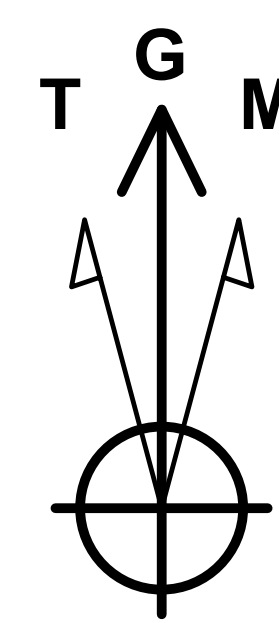
	BTA Oil Producers, LLC 104 S Pecos Midland, TX 79701								WELL:	Ochoa 8703 Fed Com #9H					
									TVD:	9131	KOP	8433			
									MD:	16380					
DRILLING PLAN															
Casing Program															
Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	375	0	375	No	54.5	J-55	STC	7.0	16.9	41.7	25.1	Dry	8.3
11	8 5/8	0	8363	0	8298	No	32	HCL-80	BTC	1.5	1.3	2.7	2.9	Dry	10
7 7/8	5 1/2	0	16380	0	9131	No	17	P110	Buttress	1.7	2.4	2.0	2.0	Dry	9.4
Cementing Program															
Csg. Size		Stage Tool Depth	Top MD of	Bottom MD of	Cement Type	Quantity (sk)	Yield (cu.)	Density (lbs. gal)	Volume (cu.ft.)	% Excess	Additives				
13 3/8	Lead		0	0	Class C	0	1.76	12.8	0	15%	2% CaCl2				
	Tail		0	375	Class C	225	1.35	14.8	304	15%	2% CaCl2				
8 5/8	Stg 2 Lead	2755	0	2227	Class C	305	2.46	12.8	750	15%	0.5% CaCl2				
	Stg 2 Tail		2227	2755	Class C	100	1.34	14.8	134	15%	1% CaCl2				
8 5/8	Stg 1 Lead		2755	7308	Class C	545	2.46	12.8	1341	15%	0.5% CaCl2				
	Stg 1 Tail		7308	8363	Class C	200	1.34	14.8	268	15%	1% CaCl2				
5 1/2	Lead		1755	8433	Class C	325	3.96	10.3	1287	10%	0.4% Fluid Loss				
	Tail		8433	16380	Class C	885	1.71	13	1513	10%	0.2% LT Retarder				



Project: Lea County, NM (NAD83 NME)
Site: Ochoa 8703 Federal Com
Well: Ochoa 8703 Federal Com 9H
Wellbore: OH
Design: Plan 2 05-22-25
Rig: Patterson 566



PHOENIX
TECHNOLOGY SERVICES



M Azimuths to Grid North
True North: -0.16°
Magnetic North: 6.41°

Magnetic Field
Strength: 47221.7nT
Dip Angle: 59.87°
Date: 8/27/2025
Model: MVHD

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

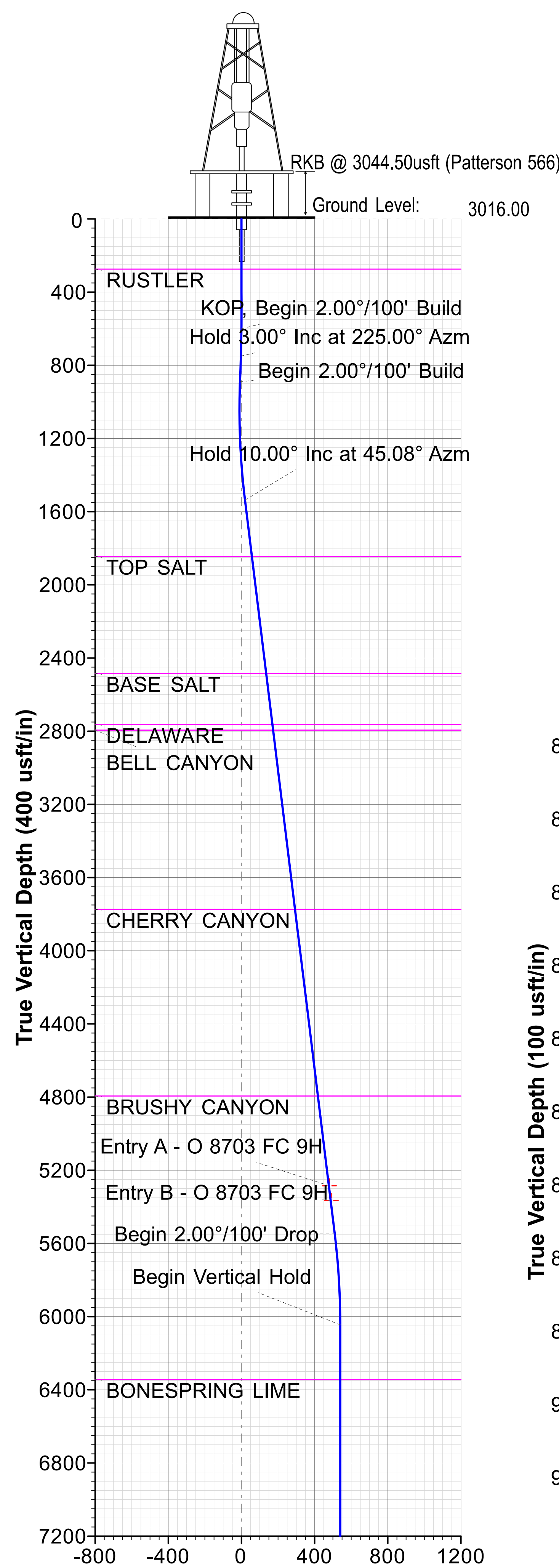
Local Origin: Well Ochoa 8703 Federal Com 9H, Grid North

Latitude: 32° 19' 20.983832 N
Longitude: 104° 2' 1.041725 W

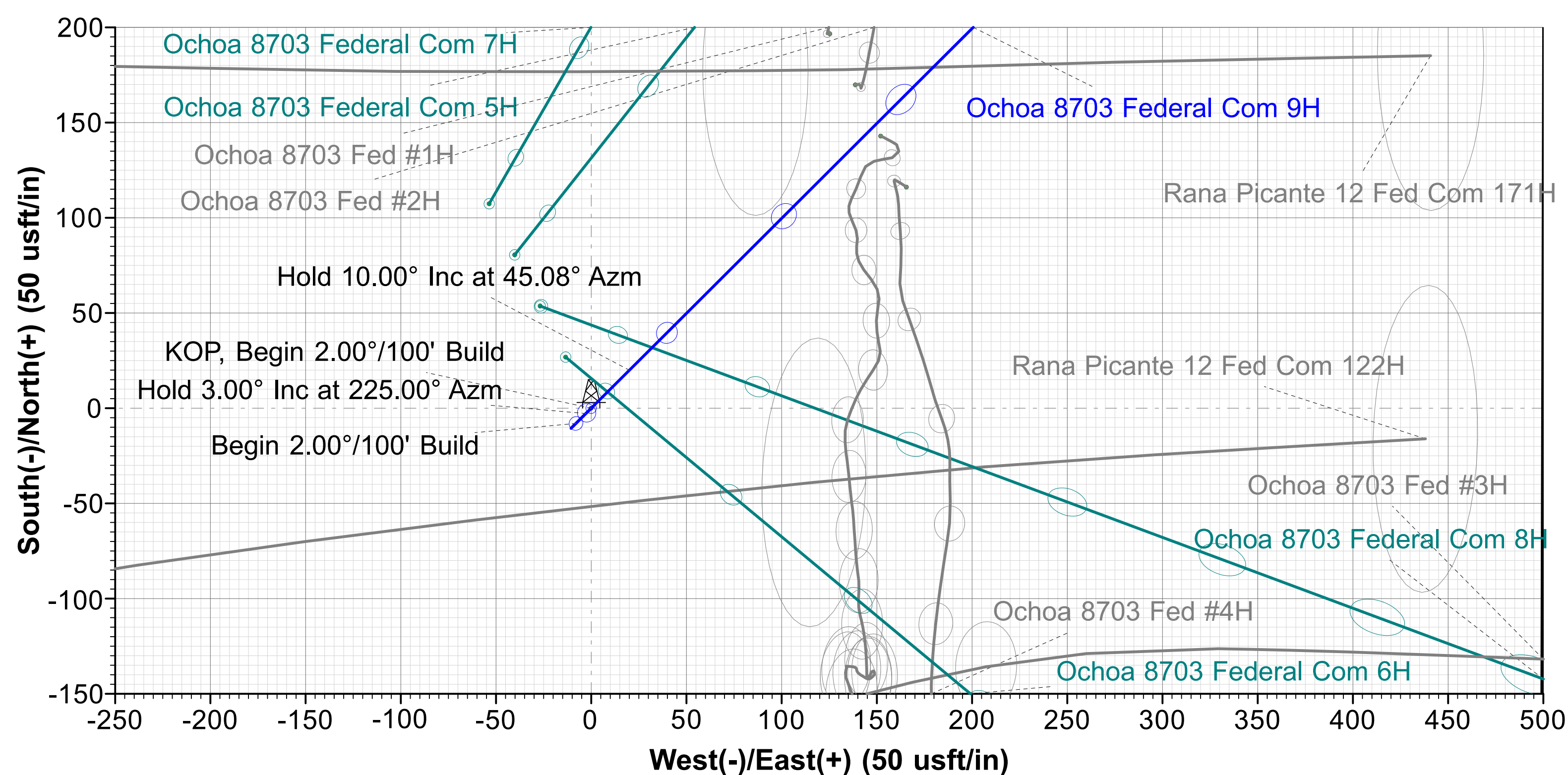
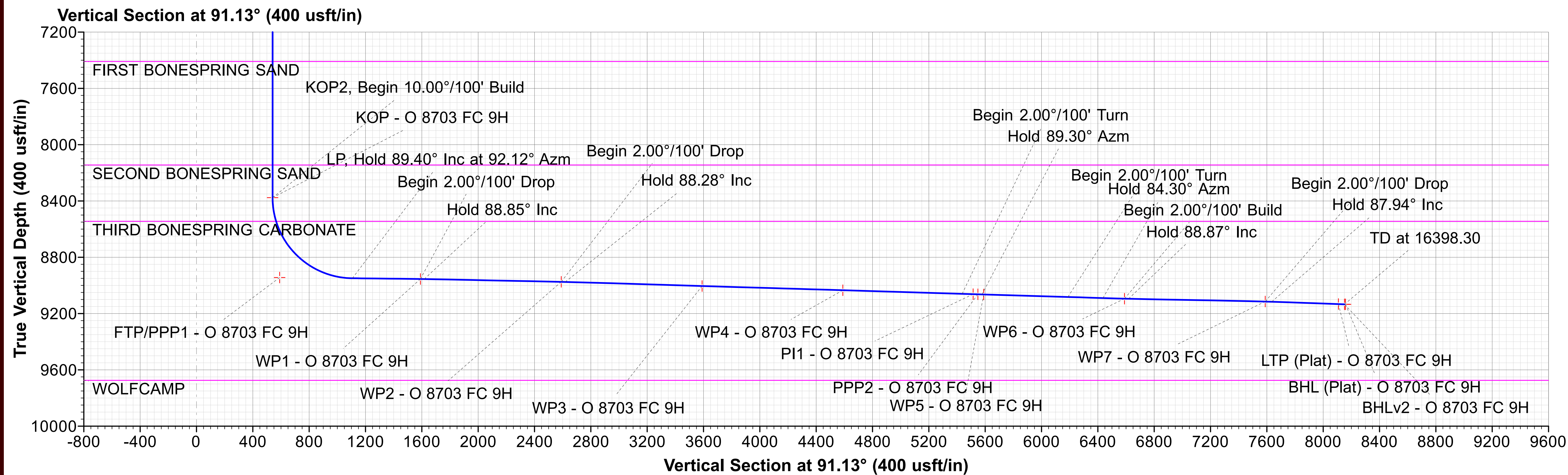
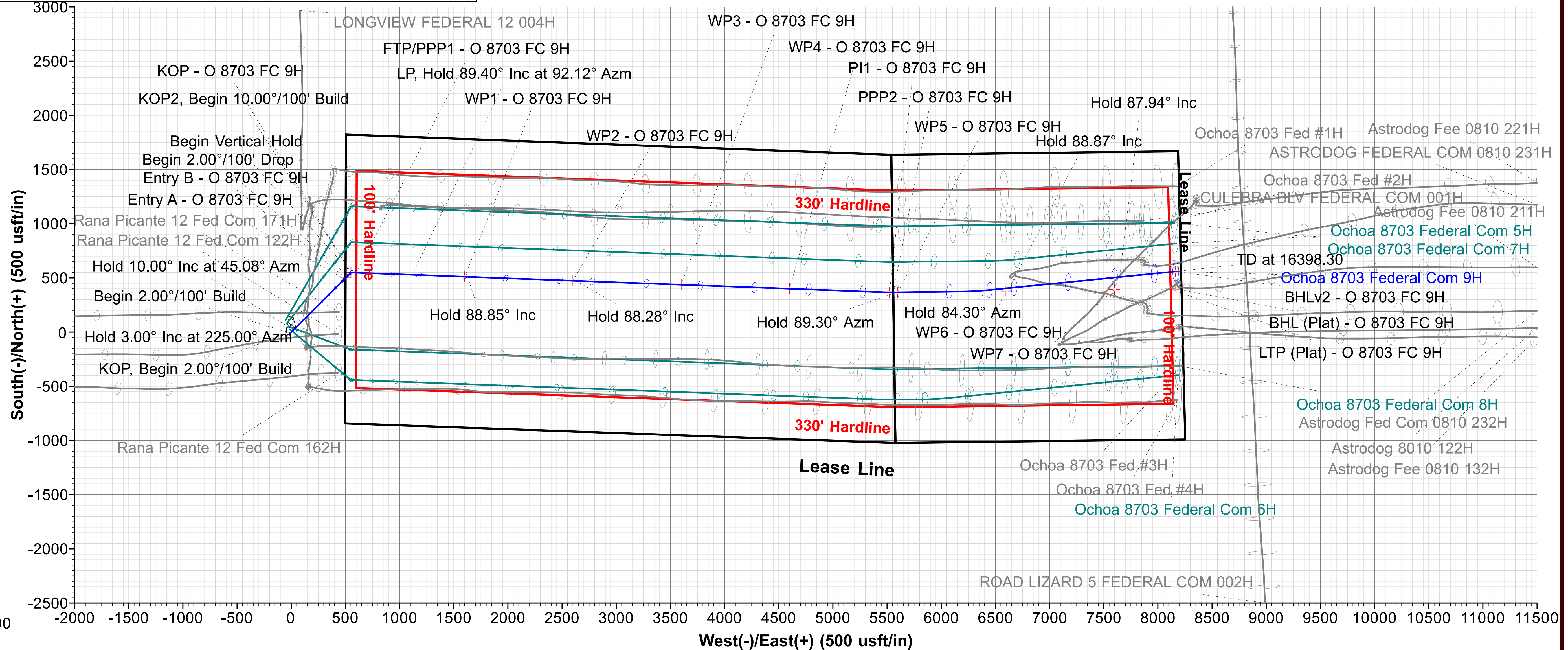
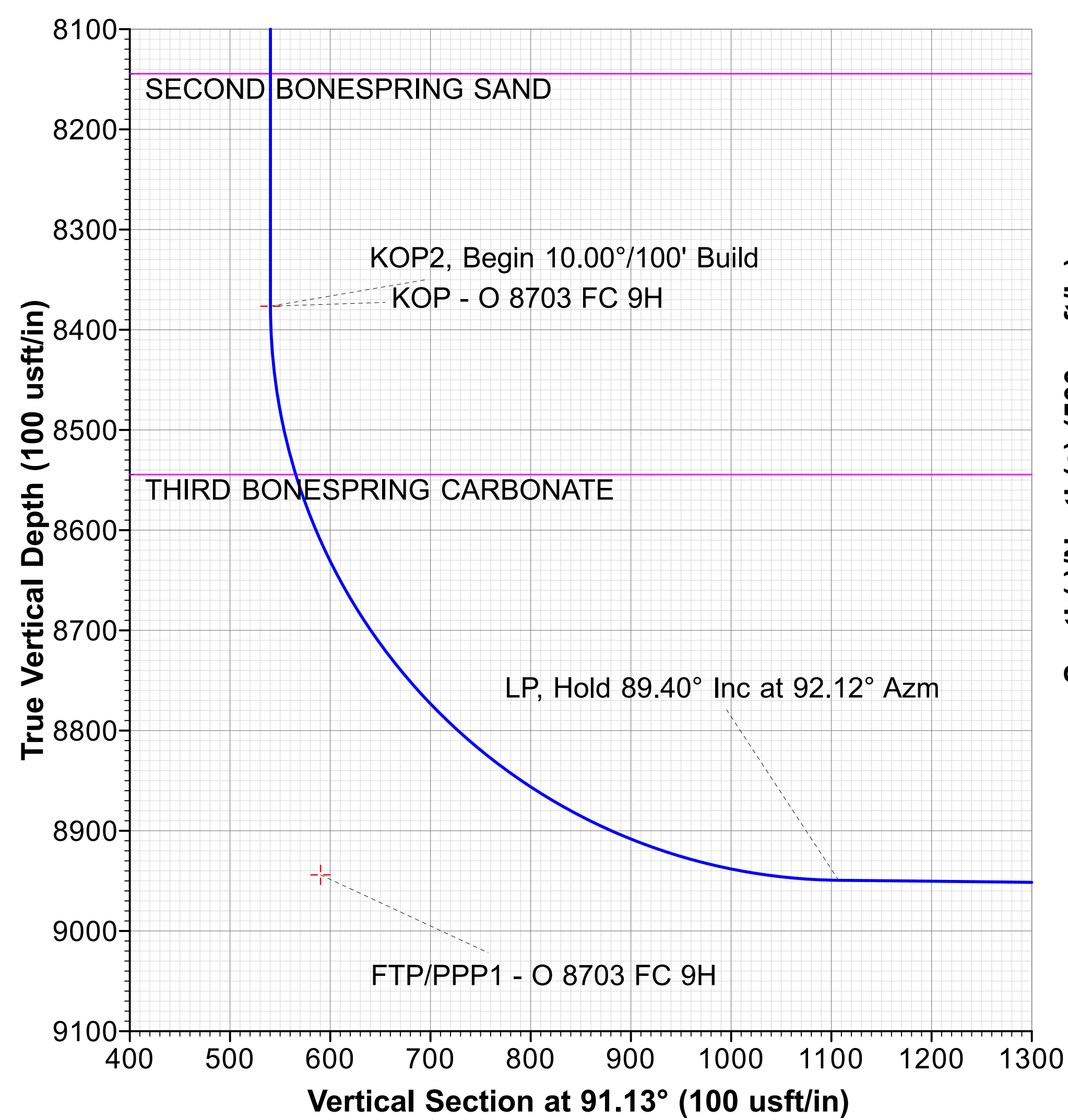
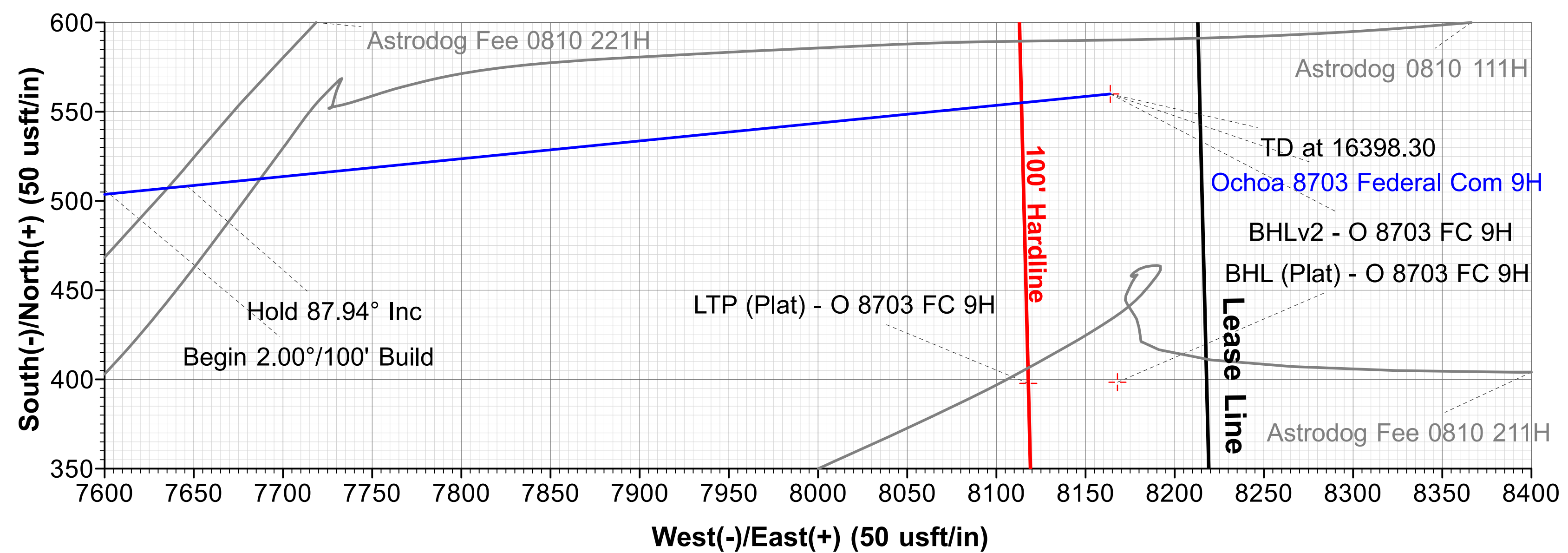
Grid East: 633917.74
Grid North: 481185.56
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 27-Aug-25
Magnetic Declination: 6.568°
Dip Angle from Horizontal: 59.873°
Magnetic Field Strength: 47221.71606747nT

To convert a Magnetic Direction to a Grid Direction, Add 6.408°
To convert a Magnetic Direction to a True Direction, Add 6.568° East
To convert a True Direction to a Grid Direction, Subtract 0.160°



WELL DETAILS											
					Ground Level:		3016.00				
+N/-S		+E/-W		Northing	Easting	Latitude		Longitude			
0.00		0.00		481185.56	633917.74	32° 19' 20.983832 N		104° 2' 1.041725 W			
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 2.00°/100' Build
3	750.00	3.00	225.00	749.93	-2.78	-2.78	2.00	225.000	-2.72		Hold 3.00° Inc at 225.00° Azm
4	890.00	3.00	225.00	889.74	-7.96	-7.96	0.00	0.000	-7.80		Begin 2.00°/100' Build
5	1539.76	10.00	45.08	1536.90	19.96	20.07	2.00	-179.937	19.67		Hold 10.00° Inc at 45.08° Azm
6	5612.44	10.00	45.08	5547.77	519.09	520.62	0.00	0.000	510.28		Begin 2.00°/100' Drop
7	6112.21	0.00	0.00	6045.00	549.79	551.41	2.00	180.000	540.46		Begin Vertical Hold
8	8443.72	0.00	0.00	8376.51	549.79	551.41	0.00	0.000	540.46		KOP2, Begin 10.00°/100' Build
9	9337.72	89.40	92.12	8949.44	528.84	1117.98	10.00	92.118	1107.33		LP, Hold 89.40° Inc at 92.12° Azm
10	9820.82	89.40	92.12	8954.50	510.99	1600.72	0.00	0.000	1590.33	WP1 - O 8703 FC 9H	Begin 2.00°/100' Drop
11	9848.49	88.85	92.12	8954.92	509.97	1628.37	2.00	179.949	1617.99		Hold 88.85° Inc
12	10821.02	88.85	92.12	8974.50	474.03	2600.04	0.00	0.000	2590.19	WP2 - O 8703 FC 9H	Begin 2.00°/100' Drop
13	10849.40	88.28	92.12	8975.21	472.98	2628.39	2.00	180.000	2618.55		Hold 88.28° Inc
14	13669.46	88.28	92.12	9059.91	368.80	5445.25	0.00	0.000	5436.92		Begin 2.00°/100' Turn
15	13810.50	88.28	89.30	9064.14	367.06	5586.21	2.00	-89.934	5577.88		Hold 89.30° Azm
16	14421.20	88.28	89.30	9082.42	374.56	6196.59	0.00	0.000	6188.00		Begin 2.00°/100' Turn
17	14670.78	88.28	84.30	9089.90	388.49	6445.59	2.00	-90.076	6436.67		Hold 84.30° Azm
18	14824.50	88.28	84.30	9094.50	403.74	6598.48	0.00	0.000	6589.23		Begin 2.00°/100' Build
19	14853.81	88.87	84.30	9095.23	406.65	6627.63	2.00	-0.226	6618.32		Hold 88.87° Inc
20	15831.33	88.87	84.30	9114.50	503.72	7600.13	0.00	0.000	7588.72		Begin 2.00°/100' Drop
21	15877.85	87.94	84.30	9115.79	508.34	7646.40	2.00	179.990	7634.89		Hold 87.94° Inc
22	16398.30	87.94	84.30	9134.50	560.00	8163.95	0.00	0.000	8151.32	BHLv2 - O 8703 FC 9H	TD at 16398.30





BTA Oil Producers, LLC

Lea County, NM (NAD83 NME)

Ochoa 8703 Federal Com

Ochoa 8703 Federal Com 9H

OH

Plan: Plan 2 05-22-25

Standard Planning Report

21 May, 2025





Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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

Site	Ochoa 8703 Federal Com		
Site Position:		Northing:	481,266.11 usft
From:	Map	Easting:	633,877.59 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 19' 21.782048 N
		Longitude:	104° 2' 1.507016 W
		Grid Convergence:	0.160 °

Well	Ochoa 8703 Federal Com 9H		
Well Position	+N/-S	-80.55 usft	Northing: 481,185.56 usft
	+E/-W	40.15 usft	Easting: 633,917.74 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 19' 20.983832 N
			Longitude: 104° 2' 1.041725 W
			Ground Level: 3,016.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	8/27/2025	6.568	59.873	47,221.71606747

Design	Plan 2 05-22-25			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	91.13

Plan Survey Tool Program	Date	5/21/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	16,398.30	Plan 2 05-22-25 (OH)	SQC_C704Mb_MWD+IFR'
				MWD+IFR1+FDIR



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.000	
750.00	3.00	225.00	749.93	-2.78	-2.78	2.00	2.00	0.00	225.000	
890.00	3.00	225.00	889.74	-7.96	-7.96	0.00	0.00	0.00	0.000	
1,539.76	10.00	45.08	1,536.90	19.96	20.07	2.00	1.08	-27.69	-179.937	
5,612.44	10.00	45.08	5,547.77	519.09	520.62	0.00	0.00	0.00	0.000	
6,112.21	0.00	0.00	6,045.00	549.79	551.41	2.00	-2.00	0.00	180.000	
8,443.72	0.00	0.00	8,376.51	549.79	551.41	0.00	0.00	0.00	0.000	
9,337.72	89.40	92.12	8,949.44	528.84	1,117.98	10.00	10.00	0.00	92.118	
9,820.82	89.40	92.12	8,954.50	510.99	1,600.72	0.00	0.00	0.00	0.000	WP1 - O 8703 FC 9
9,848.49	88.85	92.12	8,954.92	509.97	1,628.37	2.00	-2.00	0.00	179.949	
10,821.02	88.85	92.12	8,974.50	474.03	2,600.04	0.00	0.00	0.00	0.000	WP2 - O 8703 FC 9
10,849.40	88.28	92.12	8,975.21	472.98	2,628.39	2.00	-2.00	0.00	180.000	
13,669.46	88.28	92.12	9,059.91	368.80	5,445.25	0.00	0.00	0.00	0.000	
13,810.50	88.28	89.30	9,064.14	367.06	5,586.21	2.00	0.00	-2.00	-89.934	
14,421.21	88.28	89.30	9,082.42	374.56	6,196.59	0.00	0.00	0.00	0.000	
14,670.78	88.28	84.30	9,089.90	388.49	6,445.59	2.00	0.00	-2.00	-90.076	
14,824.50	88.28	84.30	9,094.50	403.74	6,598.48	0.00	0.00	0.00	0.000	
14,853.81	88.87	84.30	9,095.23	406.65	6,627.63	2.00	2.00	-0.01	-0.226	
15,831.33	88.87	84.30	9,114.50	503.72	7,600.13	0.00	0.00	0.00	0.000	
15,877.85	87.94	84.30	9,115.79	508.34	7,646.40	2.00	-2.00	0.00	179.990	
16,398.30	87.94	84.30	9,134.50	560.00	8,163.95	0.00	0.00	0.00	0.000	BHLv2 - O 8703 FC



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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
274.50	0.00	0.00	274.50	0.00	0.00	0.00	0.00	0.00	0.00
RUSTLER									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 2.00°/100' Build									
700.00	2.00	225.00	699.98	-1.23	-1.23	-1.21	2.00	2.00	0.00
750.00	3.00	225.00	749.93	-2.78	-2.78	-2.72	2.00	2.00	0.00
Hold 3.00° Inc at 225.00° Azm									
800.00	3.00	225.00	799.86	-4.63	-4.63	-4.53	0.00	0.00	0.00
890.00	3.00	225.00	889.74	-7.96	-7.96	-7.80	0.00	0.00	0.00
Begin 2.00°/100' Build									
900.00	2.80	225.00	899.73	-8.31	-8.31	-8.15	2.00	-2.00	-0.04
1,000.00	0.80	224.83	999.67	-10.54	-10.53	-10.32	2.00	-2.00	-0.17
1,100.00	1.20	45.22	1,099.67	-10.30	-10.28	-10.08	2.00	0.40	-179.61
1,200.00	3.20	45.12	1,199.59	-7.59	-7.56	-7.41	2.00	2.00	-0.10
1,300.00	5.20	45.10	1,299.31	-2.42	-2.37	-2.33	2.00	2.00	-0.02
1,400.00	7.20	45.09	1,398.72	5.20	5.28	5.17	2.00	2.00	-0.01
1,500.00	9.20	45.08	1,497.70	15.27	15.37	15.07	2.00	2.00	-0.01
1,539.76	10.00	45.08	1,536.90	19.96	20.07	19.67	2.00	2.00	0.00
Hold 10.00° Inc at 45.08° Azm									
1,600.00	10.00	45.08	1,596.23	27.34	27.47	26.93	0.00	0.00	0.00
1,700.00	10.00	45.08	1,694.71	39.59	39.76	38.97	0.00	0.00	0.00
1,800.00	10.00	45.08	1,793.19	51.85	52.05	51.02	0.00	0.00	0.00
1,852.10	10.00	45.08	1,844.50	58.23	58.46	57.30	0.00	0.00	0.00
TOP SALT									
1,900.00	10.00	45.08	1,891.67	64.11	64.34	63.07	0.00	0.00	0.00
2,000.00	10.00	45.08	1,990.15	76.36	76.63	75.11	0.00	0.00	0.00
2,100.00	10.00	45.08	2,088.64	88.62	88.93	87.16	0.00	0.00	0.00
2,200.00	10.00	45.08	2,187.12	100.87	101.22	99.21	0.00	0.00	0.00
2,300.00	10.00	45.08	2,285.60	113.13	113.51	111.25	0.00	0.00	0.00
2,400.00	10.00	45.08	2,384.08	125.38	125.80	123.30	0.00	0.00	0.00
2,500.00	10.00	45.08	2,482.57	137.64	138.09	135.35	0.00	0.00	0.00
2,501.96	10.00	45.08	2,484.50	137.88	138.33	135.58	0.00	0.00	0.00
BASE SALT									
2,600.00	10.00	45.08	2,581.05	149.89	150.38	147.39	0.00	0.00	0.00
2,700.00	10.00	45.08	2,679.53	162.15	162.67	159.44	0.00	0.00	0.00
2,786.28	10.00	45.08	2,764.50	172.72	173.27	169.83	0.00	0.00	0.00
DELAWARE									
2,800.00	10.00	45.08	2,778.01	174.41	174.96	171.48	0.00	0.00	0.00
2,816.74	10.00	45.08	2,794.50	176.46	177.02	173.50	0.00	0.00	0.00
BELL CANYON									
2,900.00	10.00	45.08	2,876.49	186.66	187.25	183.53	0.00	0.00	0.00
3,000.00	10.00	45.08	2,974.98	198.92	199.54	195.58	0.00	0.00	0.00
3,100.00	10.00	45.08	3,073.46	211.17	211.83	207.62	0.00	0.00	0.00
3,200.00	10.00	45.08	3,171.94	223.43	224.12	219.67	0.00	0.00	0.00
3,300.00	10.00	45.08	3,270.42	235.68	236.41	231.72	0.00	0.00	0.00
3,400.00	10.00	45.08	3,368.91	247.94	248.70	243.76	0.00	0.00	0.00
3,500.00	10.00	45.08	3,467.39	260.19	260.99	255.81	0.00	0.00	0.00
3,600.00	10.00	45.08	3,565.87	272.45	273.28	267.86	0.00	0.00	0.00
3,700.00	10.00	45.08	3,664.35	284.71	285.57	279.90	0.00	0.00	0.00
3,800.00	10.00	45.08	3,762.83	296.96	297.86	291.95	0.00	0.00	0.00
3,811.85	10.00	45.08	3,774.50	298.41	299.32	293.38	0.00	0.00	0.00
CHERRY CANYON									



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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)
3,900.00	10.00	45.08	3,861.32	309.22	310.15	303.99	0.00	0.00	0.00
4,000.00	10.00	45.08	3,959.80	321.47	322.44	316.04	0.00	0.00	0.00
4,100.00	10.00	45.08	4,058.28	333.73	334.73	328.09	0.00	0.00	0.00
4,200.00	10.00	45.08	4,156.76	345.98	347.02	340.13	0.00	0.00	0.00
4,300.00	10.00	45.08	4,255.25	358.24	359.32	352.18	0.00	0.00	0.00
4,400.00	10.00	45.08	4,353.73	370.50	371.61	364.23	0.00	0.00	0.00
4,500.00	10.00	45.08	4,452.21	382.75	383.90	376.27	0.00	0.00	0.00
4,600.00	10.00	45.08	4,550.69	395.01	396.19	388.32	0.00	0.00	0.00
4,700.00	10.00	45.08	4,649.17	407.26	408.48	400.37	0.00	0.00	0.00
4,800.00	10.00	45.08	4,747.66	419.52	420.77	412.41	0.00	0.00	0.00
4,847.57	10.00	45.08	4,794.50	425.35	426.61	418.14	0.00	0.00	0.00
BRUSHY CANYON									
4,900.00	10.00	45.08	4,846.14	431.77	433.06	424.46	0.00	0.00	0.00
5,000.00	10.00	45.08	4,944.62	444.03	445.35	436.51	0.00	0.00	0.00
5,100.00	10.00	45.08	5,043.10	456.28	457.64	448.55	0.00	0.00	0.00
5,200.00	10.00	45.08	5,141.59	468.54	469.93	460.60	0.00	0.00	0.00
5,300.00	10.00	45.08	5,240.07	480.80	482.22	472.64	0.00	0.00	0.00
5,400.00	10.00	45.08	5,338.55	493.05	494.51	484.69	0.00	0.00	0.00
5,500.00	10.00	45.08	5,437.03	505.31	506.80	496.74	0.00	0.00	0.00
5,600.00	10.00	45.08	5,535.51	517.56	519.09	508.78	0.00	0.00	0.00
5,612.44	10.00	45.08	5,547.77	519.09	520.62	510.28	0.00	0.00	0.00
Begin 2.00°/100' Drop									
5,700.00	8.24	45.08	5,634.22	528.89	530.45	519.91	2.00	-2.00	0.00
5,800.00	6.24	45.08	5,733.41	537.79	539.38	528.66	2.00	-2.00	0.00
5,900.00	4.24	45.08	5,832.99	544.24	545.85	535.01	2.00	-2.00	0.00
6,000.00	2.24	45.08	5,932.82	548.24	549.85	538.94	2.00	-2.00	0.00
6,100.00	0.24	45.08	6,032.79	549.77	551.39	540.44	2.00	-2.00	0.00
6,112.21	0.00	0.00	6,045.00	549.79	551.41	540.46	2.00	-2.00	0.00
Begin Vertical Hold									
6,411.71	0.00	0.00	6,344.50	549.79	551.41	540.46	0.00	0.00	0.00
BONESPRING LIME									
7,476.71	0.00	0.00	7,409.50	549.79	551.41	540.46	0.00	0.00	0.00
FIRST BONESPRING SAND									
8,211.71	0.00	0.00	8,144.50	549.79	551.41	540.46	0.00	0.00	0.00
SECOND BONESPRING SAND									
8,443.72	0.00	0.00	8,376.51	549.79	551.41	540.46	0.00	0.00	0.00
KOP2, Begin 10.00°/100' Build									
8,500.00	5.63	92.12	8,432.70	549.69	554.17	543.22	10.00	10.00	0.00
8,600.00	15.63	92.12	8,530.86	549.01	572.58	561.64	10.00	10.00	0.00
8,614.21	17.05	92.12	8,544.50	548.86	576.57	565.64	10.00	10.00	0.00
THIRD BONESPRING CARBONATE									
8,700.00	25.63	92.12	8,624.33	547.71	607.74	596.82	10.00	10.00	0.00
8,800.00	35.63	92.12	8,710.27	545.83	658.58	647.69	10.00	10.00	0.00
8,900.00	45.63	92.12	8,786.07	543.42	723.57	712.71	10.00	10.00	0.00
9,000.00	55.63	92.12	8,849.43	540.57	800.73	789.91	10.00	10.00	0.00
9,100.00	65.63	92.12	8,898.41	537.36	887.70	876.93	10.00	10.00	0.00
9,200.00	75.63	92.12	8,931.54	533.87	981.86	971.14	10.00	10.00	0.00
9,300.00	85.63	92.12	8,947.81	530.23	1,080.33	1,069.66	10.00	10.00	0.00
9,337.72	89.40	92.12	8,949.44	528.84	1,117.98	1,107.33	10.00	10.00	0.00
LP, Hold 89.40° Inc at 92.12° Azm									
9,400.00	89.40	92.12	8,950.09	526.54	1,180.21	1,169.60	0.00	0.00	0.00
9,500.00	89.40	92.12	8,951.14	522.84	1,280.14	1,269.58	0.00	0.00	0.00
9,600.00	89.40	92.12	8,952.19	519.15	1,380.07	1,369.56	0.00	0.00	0.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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)
9,700.00	89.40	92.12	8,953.24	515.45	1,479.99	1,469.54	0.00	0.00	0.00
9,800.00	89.40	92.12	8,954.28	511.76	1,579.92	1,569.52	0.00	0.00	0.00
9,820.82	89.40	92.12	8,954.50	510.99	1,600.72	1,590.33	0.00	0.00	0.00
Begin 2.00°/100' Drop									
9,848.49	88.85	92.12	8,954.92	509.97	1,628.37	1,617.99	2.00	-2.00	0.00
Hold 88.85° Inc									
9,900.00	88.85	92.12	8,955.96	508.06	1,679.84	1,669.49	0.00	0.00	0.00
10,000.00	88.85	92.12	8,957.97	504.37	1,779.75	1,769.45	0.00	0.00	0.00
10,100.00	88.85	92.12	8,959.99	500.67	1,879.66	1,869.42	0.00	0.00	0.00
10,200.00	88.85	92.12	8,962.00	496.98	1,979.57	1,969.38	0.00	0.00	0.00
10,300.00	88.85	92.12	8,964.01	493.28	2,079.48	2,069.35	0.00	0.00	0.00
10,400.00	88.85	92.12	8,966.03	489.59	2,179.39	2,169.31	0.00	0.00	0.00
10,500.00	88.85	92.12	8,968.04	485.89	2,279.30	2,269.28	0.00	0.00	0.00
10,600.00	88.85	92.12	8,970.05	482.20	2,379.22	2,369.24	0.00	0.00	0.00
10,700.00	88.85	92.12	8,972.06	478.50	2,479.13	2,469.21	0.00	0.00	0.00
10,800.00	88.85	92.12	8,974.08	474.81	2,579.04	2,569.17	0.00	0.00	0.00
10,821.02	88.85	92.12	8,974.50	474.03	2,600.04	2,590.19	0.00	0.00	0.00
Begin 2.00°/100' Drop									
10,849.40	88.28	92.12	8,975.21	472.98	2,628.39	2,618.55	2.00	-2.00	0.00
Hold 88.28° Inc									
10,900.00	88.28	92.12	8,976.73	471.11	2,678.93	2,669.12	0.00	0.00	0.00
11,000.00	88.28	92.12	8,979.73	467.42	2,778.82	2,769.06	0.00	0.00	0.00
11,100.00	88.28	92.12	8,982.74	463.72	2,878.71	2,869.00	0.00	0.00	0.00
11,200.00	88.28	92.12	8,985.74	460.03	2,978.59	2,968.94	0.00	0.00	0.00
11,300.00	88.28	92.12	8,988.74	456.33	3,078.48	3,068.88	0.00	0.00	0.00
11,400.00	88.28	92.12	8,991.75	452.64	3,178.37	3,168.82	0.00	0.00	0.00
11,500.00	88.28	92.12	8,994.75	448.95	3,278.25	3,268.76	0.00	0.00	0.00
11,600.00	88.28	92.12	8,997.75	445.25	3,378.14	3,368.70	0.00	0.00	0.00
11,700.00	88.28	92.12	9,000.76	441.56	3,478.03	3,468.64	0.00	0.00	0.00
11,800.00	88.28	92.12	9,003.76	437.86	3,577.91	3,568.58	0.00	0.00	0.00
11,900.00	88.28	92.12	9,006.76	434.17	3,677.80	3,668.52	0.00	0.00	0.00
12,000.00	88.28	92.12	9,009.77	430.47	3,777.69	3,768.46	0.00	0.00	0.00
12,100.00	88.28	92.12	9,012.77	426.78	3,877.57	3,868.40	0.00	0.00	0.00
12,200.00	88.28	92.12	9,015.77	423.09	3,977.46	3,968.34	0.00	0.00	0.00
12,300.00	88.28	92.12	9,018.78	419.39	4,077.35	4,068.28	0.00	0.00	0.00
12,400.00	88.28	92.12	9,021.78	415.70	4,177.23	4,168.22	0.00	0.00	0.00
12,500.00	88.28	92.12	9,024.78	412.00	4,277.12	4,268.16	0.00	0.00	0.00
12,600.00	88.28	92.12	9,027.79	408.31	4,377.01	4,368.10	0.00	0.00	0.00
12,700.00	88.28	92.12	9,030.79	404.61	4,476.89	4,468.04	0.00	0.00	0.00
12,800.00	88.28	92.12	9,033.79	400.92	4,576.78	4,567.98	0.00	0.00	0.00
12,900.00	88.28	92.12	9,036.80	397.23	4,676.67	4,667.92	0.00	0.00	0.00
13,000.00	88.28	92.12	9,039.80	393.53	4,776.55	4,767.86	0.00	0.00	0.00
13,100.00	88.28	92.12	9,042.80	389.84	4,876.44	4,867.80	0.00	0.00	0.00
13,200.00	88.28	92.12	9,045.81	386.14	4,976.33	4,967.74	0.00	0.00	0.00
13,300.00	88.28	92.12	9,048.81	382.45	5,076.21	5,067.68	0.00	0.00	0.00
13,400.00	88.28	92.12	9,051.81	378.75	5,176.10	5,167.62	0.00	0.00	0.00
13,500.00	88.28	92.12	9,054.82	375.06	5,275.99	5,267.56	0.00	0.00	0.00
13,600.00	88.28	92.12	9,057.82	371.37	5,375.87	5,367.50	0.00	0.00	0.00
13,669.46	88.28	92.12	9,059.91	368.80	5,445.25	5,436.92	0.00	0.00	0.00
Begin 2.00°/100' Turn									
13,700.00	88.28	91.51	9,060.82	367.83	5,475.76	5,467.45	2.00	0.00	-2.00
13,800.00	88.28	89.51	9,063.82	366.95	5,575.71	5,567.39	2.00	0.00	-2.00
13,810.50	88.28	89.30	9,064.14	367.06	5,586.21	5,577.88	2.00	0.01	-2.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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)
Hold 89.30° Azm									
13,900.00	88.28	89.30	9,066.82	368.16	5,675.66	5,667.29	0.00	0.00	0.00
14,000.00	88.28	89.30	9,069.81	369.39	5,775.61	5,767.20	0.00	0.00	0.00
14,100.00	88.28	89.30	9,072.80	370.62	5,875.55	5,867.10	0.00	0.00	0.00
14,200.00	88.28	89.30	9,075.80	371.84	5,975.50	5,967.01	0.00	0.00	0.00
14,300.00	88.28	89.30	9,078.79	373.07	6,075.45	6,066.91	0.00	0.00	0.00
14,400.00	88.28	89.30	9,081.79	374.30	6,175.40	6,166.81	0.00	0.00	0.00
14,421.21	88.28	89.30	9,082.42	374.56	6,196.59	6,188.00	0.00	0.00	0.00
Begin 2.00°/100' Turn									
14,500.00	88.28	87.72	9,084.78	376.61	6,275.32	6,266.67	2.00	0.00	-2.00
14,600.00	88.28	85.72	9,087.78	382.33	6,375.11	6,366.33	2.00	0.00	-2.00
14,670.78	88.28	84.30	9,089.90	388.49	6,445.59	6,436.67	2.00	0.00	-2.00
Hold 84.30° Azm									
14,700.00	88.28	84.30	9,090.77	391.38	6,474.65	6,465.67	0.00	0.00	0.00
14,800.00	88.28	84.30	9,093.77	401.31	6,574.11	6,564.92	0.00	0.00	0.00
14,824.50	88.28	84.30	9,094.50	403.74	6,598.48	6,589.23	0.00	0.00	0.00
Begin 2.00°/100' Build									
14,853.81	88.87	84.30	9,095.23	406.65	6,627.63	6,618.32	2.00	2.00	-0.01
Hold 88.87° Inc									
14,900.00	88.87	84.30	9,096.14	411.24	6,673.59	6,664.18	0.00	0.00	0.00
15,000.00	88.87	84.30	9,098.11	421.17	6,773.07	6,763.45	0.00	0.00	0.00
15,100.00	88.87	84.30	9,100.08	431.10	6,872.56	6,862.72	0.00	0.00	0.00
15,200.00	88.87	84.30	9,102.05	441.03	6,972.04	6,961.99	0.00	0.00	0.00
15,300.00	88.87	84.30	9,104.02	450.96	7,071.53	7,061.26	0.00	0.00	0.00
15,400.00	88.87	84.30	9,106.00	460.89	7,171.02	7,160.53	0.00	0.00	0.00
15,500.00	88.87	84.30	9,107.97	470.82	7,270.50	7,259.80	0.00	0.00	0.00
15,600.00	88.87	84.30	9,109.94	480.75	7,369.99	7,359.08	0.00	0.00	0.00
15,700.00	88.87	84.30	9,111.91	490.68	7,469.48	7,458.35	0.00	0.00	0.00
15,800.00	88.87	84.30	9,113.88	500.61	7,568.96	7,557.62	0.00	0.00	0.00
15,831.33	88.87	84.30	9,114.50	503.72	7,600.13	7,588.72	0.00	0.00	0.00
Begin 2.00°/100' Drop									
15,877.85	87.94	84.30	9,115.79	508.34	7,646.40	7,634.89	2.00	-2.00	0.00
Hold 87.94° Inc									
15,900.00	87.94	84.30	9,116.59	510.54	7,668.43	7,656.87	0.00	0.00	0.00
16,000.00	87.94	84.30	9,120.19	520.46	7,767.87	7,756.10	0.00	0.00	0.00
16,100.00	87.94	84.30	9,123.78	530.39	7,867.31	7,855.32	0.00	0.00	0.00
16,200.00	87.94	84.30	9,127.38	540.31	7,966.75	7,954.55	0.00	0.00	0.00
16,300.00	87.94	84.30	9,130.97	550.24	8,066.19	8,053.77	0.00	0.00	0.00
16,398.30	87.94	84.30	9,134.50	560.00	8,163.95	8,151.32	0.00	0.00	0.00
TD at 16398.30									



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

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)		
Entry A - O 8703 FC 9	0.00	0.00	5,285.27	489.87	491.30	481,675.43	634,409.04	12° 19' 25.817840 N	04° 1' 55.299981 W
- plan misses target center by 4.80usft at 5346.74usft MD (5286.10 TVD, 486.52 N, 487.96 E)									
- Point									
Entry B - O 8703 FC 9	0.00	0.00	5,365.12	499.80	501.27	481,685.36	634,419.01	12° 19' 25.915828 N	04° 1' 55.183461 W
- plan misses target center by 4.80usft at 5427.83usft MD (5365.95 TVD, 496.46 N, 497.93 E)									
- Point									
KOP - O 8703 FC 9H	0.00	0.00	8,376.51	549.79	551.41	481,735.35	634,469.15	12° 19' 26.409122 N	04° 1' 54.597473 W
- plan hits target center									
- Point									
FTP/PPP1 - O 8703 F	0.00	0.00	8,944.00	547.94	601.40	481,733.50	634,519.14	12° 19' 26.389422 N	04° 1' 54.014933 W
- plan misses target center by 199.17usft at 8905.68usft MD (8790.02 TVD, 543.27 N, 727.65 E)									
- Point									
WP1 - O 8703 FC 9H	0.00	0.00	8,954.50	510.99	1,600.72	481,696.55	635,518.46	12° 19' 25.995784 N	04° 1' 42.369728 W
- plan hits target center									
- Point									
WP2 - O 8703 FC 9H	0.00	0.00	8,974.50	474.03	2,600.04	481,659.59	636,517.78	12° 19' 25.601749 N	04° 1' 30.724554 W
- plan hits target center									
- Point									
WP3 - O 8703 FC 9H	0.00	0.00	9,004.50	437.08	3,599.36	481,622.64	637,517.10	12° 19' 25.207514 N	04° 1' 19.079410 W
- plan misses target center by 0.09usft at 11821.47usft MD (9004.41 TVD, 437.07 N, 3599.36 E)									
- Point									
WP4 - O 8703 FC 9H	0.00	0.00	9,034.48	400.13	4,598.67	481,585.69	638,516.41	12° 19' 24.812981 N	104° 1' 7.434414 W
- plan misses target center by 0.03usft at 12821.92usft MD (9034.45 TVD, 400.11 N, 4598.67 E)									
- Point									
PI1 - O 8703 FC 9H	0.00	0.00	9,062.28	365.95	5,523.00	481,551.51	639,440.74	12° 19' 24.447761 N	04° 0' 56.663189 W
- plan misses target center by 1.03usft at 13747.28usft MD (9062.24 TVD, 366.98 N, 5523.01 E)									
- Point									
PPP2 - O 8703 FC 9H	0.00	0.00	9,063.30	366.37	5,557.04	481,551.93	639,474.78	12° 19' 24.450919 N	04° 0' 56.266463 W
- plan misses target center by 0.48usft at 13781.33usft MD (9063.26 TVD, 366.85 N, 5557.05 E)									
- Point									
WP5 - O 8703 FC 9H	0.00	0.00	9,064.50	367.23	5,598.07	481,552.79	639,515.81	12° 19' 24.458225 N	04° 0' 55.788259 W
- plan misses target center by 0.03usft at 13822.37usft MD (9064.49 TVD, 367.21 N, 5598.07 E)									
- Point									
WP6 - O 8703 FC 9H	0.00	0.00	9,094.50	379.37	6,597.99	481,564.93	640,515.73	12° 19' 24.548860 N	04° 0' 44.134499 W
- plan misses target center by 24.20usft at 14821.60usft MD (9094.41 TVD, 403.45 N, 6595.59 E)									
- Point									
WP7 - O 8703 FC 9H	0.00	0.00	9,114.50	391.51	7,597.92	481,577.07	641,515.66	12° 19' 24.639196 N	04° 0' 32.480618 W
- plan misses target center by 111.44usft at 15817.99usft MD (9114.24 TVD, 502.40 N, 7586.86 E)									
- Point									
LTP (Plat) - O 8703 F	0.00	0.00	9,132.71	397.82	8,117.94	481,583.38	642,035.68	12° 19' 24.686023 N	04° 0' 26.419942 W
- plan misses target center by 160.97usft at 16300.00usft MD (9130.97 TVD, 550.24 N, 8066.19 E)									
- Point									
BHL (Plat) - O 8703 F	0.00	0.00	9,134.50	398.43	8,167.94	481,583.99	642,085.68	12° 19' 24.690553 N	04° 0' 25.837207 W
- plan misses target center by 161.16usft at 16386.24usft MD (9134.07 TVD, 558.80 N, 8151.95 E)									
- Point									
BHLv2 - O 8703 FC 9	0.00	0.00	9,134.50	560.00	8,163.95	481,745.56	642,081.69	12° 19' 26.289494 N	04° 0' 25.878015 W
- plan hits target center									
- Point									



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 9H
Company:	BTA Oil Producers, LLC	TVD Reference:	RKB @ 3044.50usft (Patterson 566)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3044.50usft (Patterson 566)
Site:	Ochoa 8703 Federal Com	North Reference:	Grid
Well:	Ochoa 8703 Federal Com 9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 05-22-25		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
274.50	274.50	RUSTLER			
1,852.10	1,844.50	TOP SALT			
2,501.96	2,484.50	BASE SALT			
2,786.28	2,764.50	DELAWARE			
2,816.74	2,794.50	BELL CANYON			
3,811.85	3,774.50	CHERRY CANYON			
4,847.57	4,794.50	BRUSHY CANYON			
6,411.71	6,344.50	BONESPRING LIME			
7,476.71	7,409.50	FIRST BONESPRING SAND			
8,211.71	8,144.50	SECOND BONESPRING SAND			
8,614.21	8,544.50	THIRD BONESPRING CARBONATI			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
600.00	600.00	0.00	0.00	KOP, Begin 2.00°/100' Build
750.00	749.93	-2.78	-2.78	Hold 3.00° Inc at 225.00° Azm
890.00	889.74	-7.96	-7.96	Begin 2.00°/100' Build
1,539.76	1,536.90	19.96	20.07	Hold 10.00° Inc at 45.08° Azm
5,612.44	5,547.77	519.09	520.62	Begin 2.00°/100' Drop
6,112.21	6,045.00	549.79	551.41	Begin Vertical Hold
8,443.72	8,376.51	549.79	551.41	KOP2, Begin 10.00°/100' Build
9,337.72	8,949.44	528.84	1,117.98	LP, Hold 89.40° Inc at 92.12° Azm
9,820.82	8,954.50	510.99	1,600.72	Begin 2.00°/100' Drop
9,848.49	8,954.92	509.97	1,628.37	Hold 88.85° Inc
10,821.02	8,974.50	474.03	2,600.04	Begin 2.00°/100' Drop
10,849.40	8,975.21	472.98	2,628.39	Hold 88.28° Inc
13,669.46	9,059.91	368.80	5,445.25	Begin 2.00°/100' Turn
13,810.50	9,064.14	367.06	5,586.21	Hold 89.30° Azm
14,421.21	9,082.42	374.56	6,196.59	Begin 2.00°/100' Turn
14,670.78	9,089.90	388.49	6,445.59	Hold 84.30° Azm
14,824.50	9,094.50	403.74	6,598.48	Begin 2.00°/100' Build
14,853.81	9,095.23	406.65	6,627.63	Hold 88.87° Inc
15,831.33	9,114.50	503.72	7,600.13	Begin 2.00°/100' Drop
15,877.85	9,115.79	508.34	7,646.40	Hold 87.94° Inc
16,398.30	9,134.50	560.00	8,163.95	TD at 16398.30

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals, & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 PAGE 1 OF 2
		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-015-56288	Pool Code 15011	Pool Name CULEBRA BLUFF; BONE SPRING, SOUTH
Property Code	Property Name OCHOA 8703 FEDERAL COM	Well Number 9H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Ground Level Elevation 3016'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
H	12	23S	28E		1814' FNL	500' FEL	32.32249552	-104.03362271	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
C	08	23S	29E		1099' FNL	2609' FWL	32.32399534	-104.00718896	EDDY

Dedicated Acres 474.11	Infill or Defining Well DEFINING WELL	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers:			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
D	07	23S	29E		1270' FNL	50' FWL	32.32400254	-104.03183265	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
D	07	23S	29E		1270' FNL	100' FWL	32.32399707	-104.03167081	EDDY

Last Take Point (LTP)

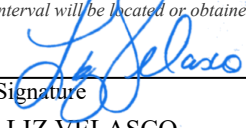
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
C	08	23S	29E		1103' FNL	2559' FWL	32.32398207	-104.00735053	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3016'
---	---	---------------------------------

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 5/27/2025
LIZ VELASCO
Printed Name
LVELASCO@BTAOIL.COM
Email Address

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

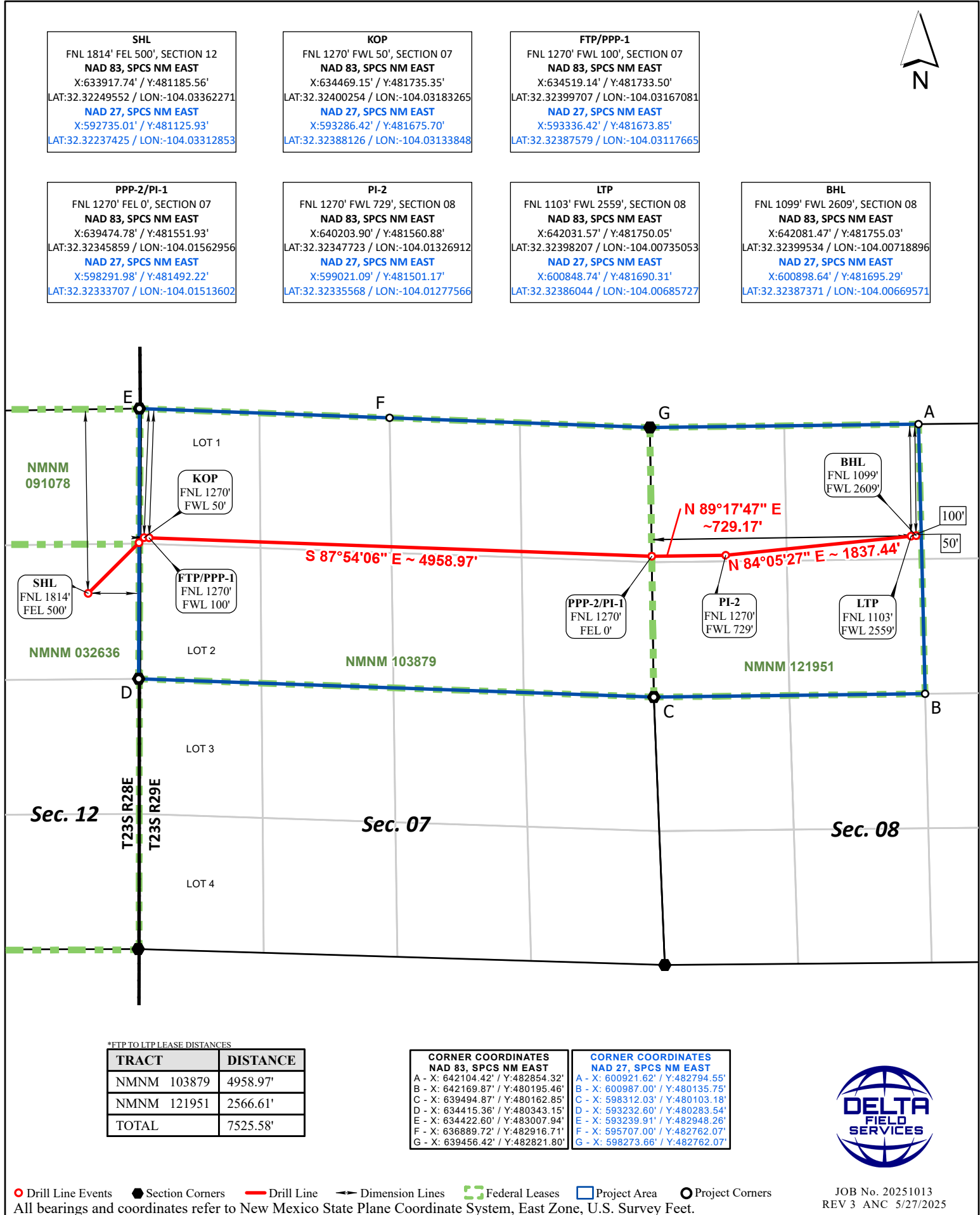
MAY 27, 2025

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

OCHOA 8703 FEDERAL COM 9H

PAGE 2 OF 2



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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 514160

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 514160
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Performed work without OCD approval.	10/20/2025