

Well Name: OCHOA 8703 FEDERAL COM	Well Location: T23S / R28E / SEC 12 / SENE / 32.322791 / -104.033795	County or Parish/State: EDDY / NM
Well Number: 7H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM103879	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549556	Operator: BTA OIL PRODUCERS LLC	

Notice of Intent

Sundry ID: 2854636

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/28/2025	Time Sundry Submitted: 03:35
Date proposed operation will begin: 05/25/2025	

Procedure Description: BTA Oil Producers, LLC respectfully requests the following casing, cement, and drill plan changes to the original APD as approved. No footage changes took place. Please see attached documents for more details.

NOI Attachments

Procedure Description

- Ochoa_8703_Federal_Com_7H___Plan_1_05_09_25_20250528142124.pdf
- Drill_plan_OCHOA_7H_20250528142053.pdf
- OCHOA_8703_FEDERAL_COM_7H_REV._3___SIGNED_5.27.25_20250528140044.pdf

Received by OCD: 10/10/2025 12:24:12 PM

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Conditions of Approval

Additional

SEC12_T23SR28E_OCHOA_8703__FED_COM_Eddy__BTA_OIL_PRODUCERS_LLC_45769_JS_20250618102040.pdf

OCHOA_8703_FEDERAL_COM_7H_COAs_20250618102040.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: JUN 10, 2025 09:05 AM
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: 06/18/2025
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	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No. OCHOA 8703 FEDERAL COM/7H	
9. API Well No. 3001549556	
10. Field and Pool or Exploratory Area CULEBRA BLUFF/BONE SPRING, SOUTH	11. Country or Parish, State EDDY/NM

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

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 recompleate 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 casing, cement, and drill plan changes to the original APD as approved. No footage changes took place. Please see attached documents for more details.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) LIZ VELASCO / Ph: (432) 682-3753	Title Regulatory Analyst
Signature (Electronic Submission)	Date 06/10/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 06/18/2025
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

Location of Well

0. SHL: SENE / 1706 FNL / 554 FEL / TWSP: 23S / RANGE: 28E / SECTION: 12 / LAT: 32.322791 / LONG: -104.033795 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 1331 FNL / 318 FEL / TWSP: 23S / RANGE: 28E / SECTION: 12 / LAT: 32.32383 / LONG: -104.033025 (TVD: 3854 feet, MD: 3900 feet)

PPP: NWNW / 824 FNL / 1 FWL / TWSP: 23S / RANGE: 29E / SECTION: 7 / LAT: 32.325233 / LONG: -104.031986 (TVD: 6592 feet, MD: 6700 feet)

PPP: NWNW / 661 FNL / 1 FWL / TWSP: 23S / RANGE: 29E / SECTION: 8 / LAT: 32.325132 / LONG: -104.015652 (TVD: 8456 feet, MD: 13600 feet)

BHL: NENW / 660 FNL / 2605 FWL / TWSP: 23S / RANGE: 29E / SECTION: 8 / LAT: 32.325201 / LONG: -104.007235 (TVD: 8456 feet, MD: 15926 feet)

CONFIDENTIAL

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	1.91	375	17	3.31	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	390		527	260		102	8.30	825	2M			1.56	
Site plat (pipe racks S or E) as per O.O 1.III-D-4-I: not found.														

9 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"	36.00			j 55		ltc	4.57	1.41	0.83	2,755	2	1.51	2.45	99,180			
"B"									0					0			
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,262									Totals:		2,755				99,180		
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			
12 1/4	0.3132	665		1468		881	67	10.00	2329	3M				0.81			
D V Tool(s):									sum of sx		Σ CuFt				Σ%excess		
t by stage % :									#VALUE!		#VALUE!				665	1468	67
Class 'H' tail cmt yld > 1.20																	
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.28, b, c, d All > 0.70, OK.																	
Alt Burst ok																	

5 1/2		casing inside the		9 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	2.70	1.6	2.51	15,900	3	4.57	270,300	
									0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,910									Totals:		15,900			270,300
The cement volume(s) are intended to achieve a top of						2555	ft from surface or a		200				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	
8 3/4	0.2526	2105		5017		3374	49	9.40					1.35	
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	1 Stage	Min	1 Stage	ft from surface or a	Calc	Req'd			Min Dist			
		Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Drilling Mud Wt	MASP	BOPE			Hole-Cplg			
0		#N/A	#N/A	0	#N/A									
#N/A														
Capitan Reef est top XXXX.														

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA OIL PRODUCERS LLC
WELL NAME & NO.:	OCHOA 8703 FED COM 7H
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 **325 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 **9-5/8** inch intermediate casing is:
- Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. The minimum required fill of cement behind the **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.

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**.

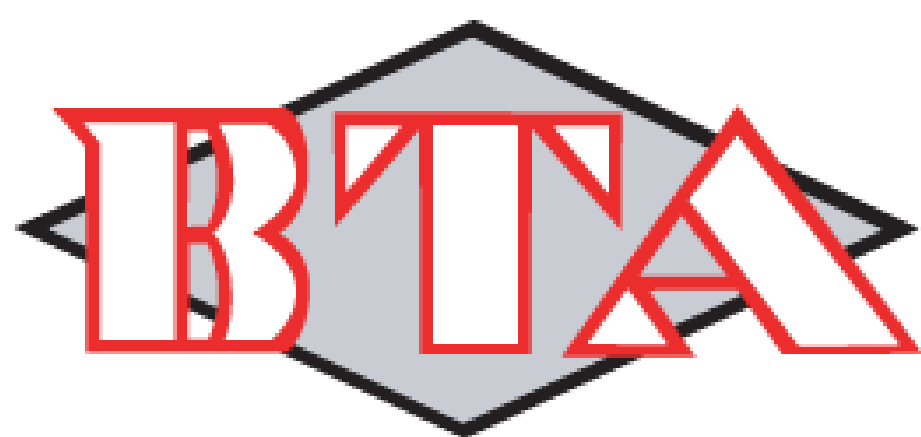
C. DRILLING MUD

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.

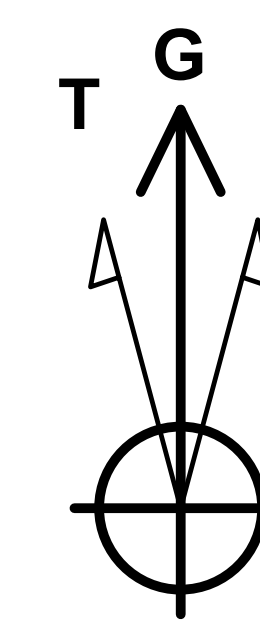
JS 4/22/2025



Project: Lea County, NM (NAD83 NME)
Site: Ochoa 8703 Federal Com
Well: Ochoa 8703 Federal Com 7H
Wellbore: OH
Design: Plan 1 05-09-25
Rig: Patterson 566



PHOENIX
TECHNOLOGY SERVICES



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

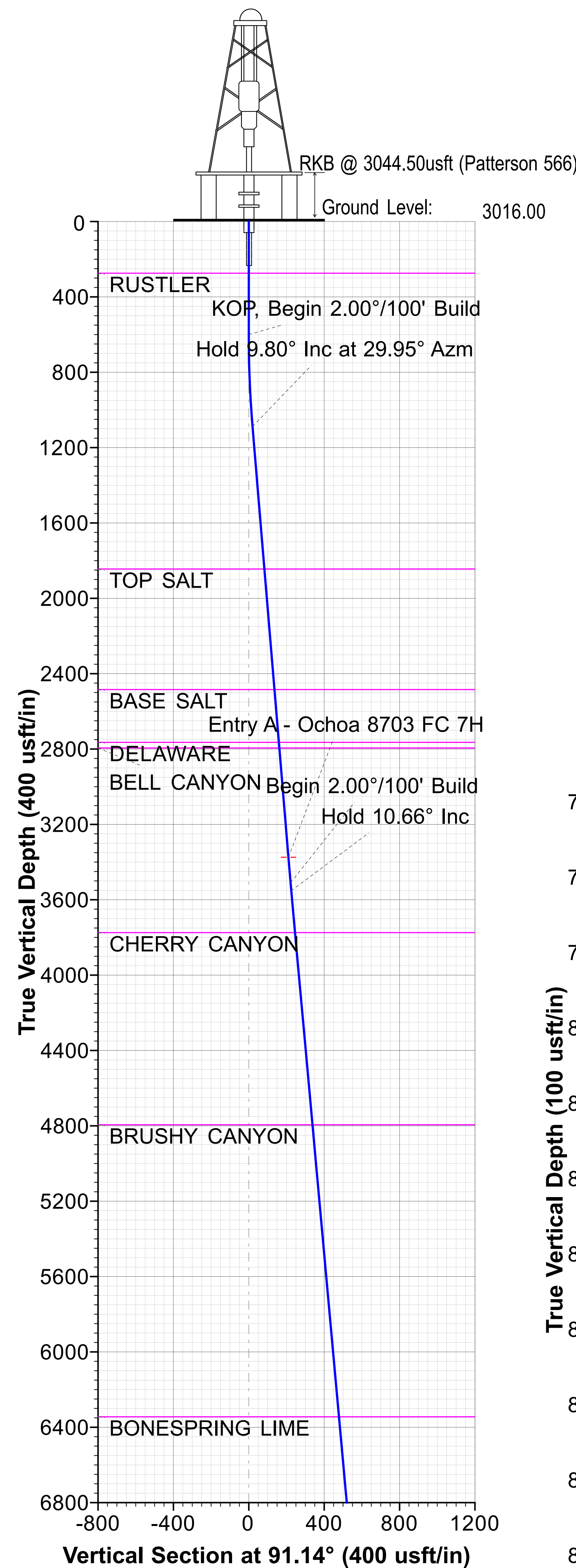
Local Origin: Well Ochoa 8703 Federal Com 7H, Grid North

Latitude: 32° 19' 22.048120 N
Longitude: 104° 2' 1.662074 W

Grid East: 633864.21
Grid North: 481292.96
Scale Factor: 1.000

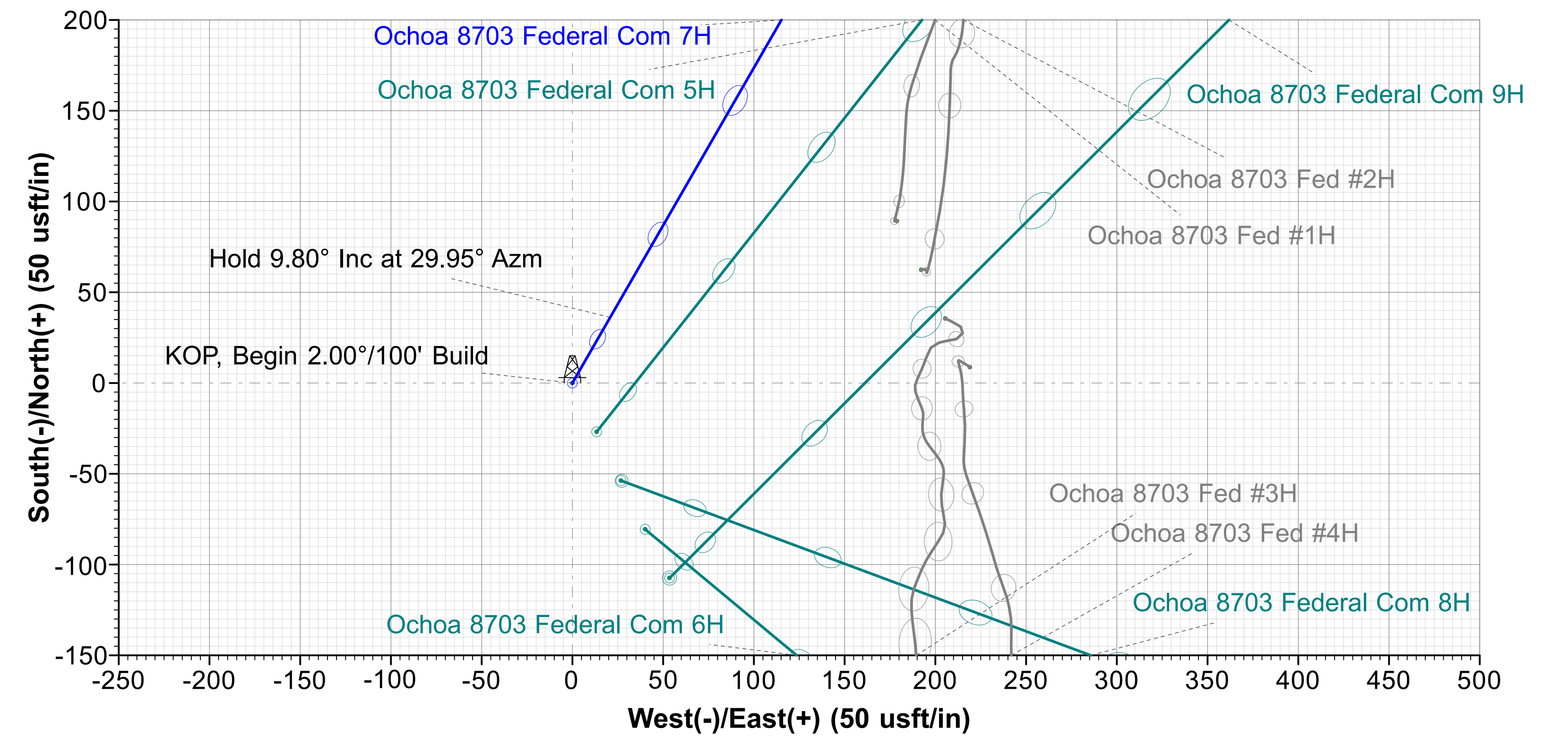
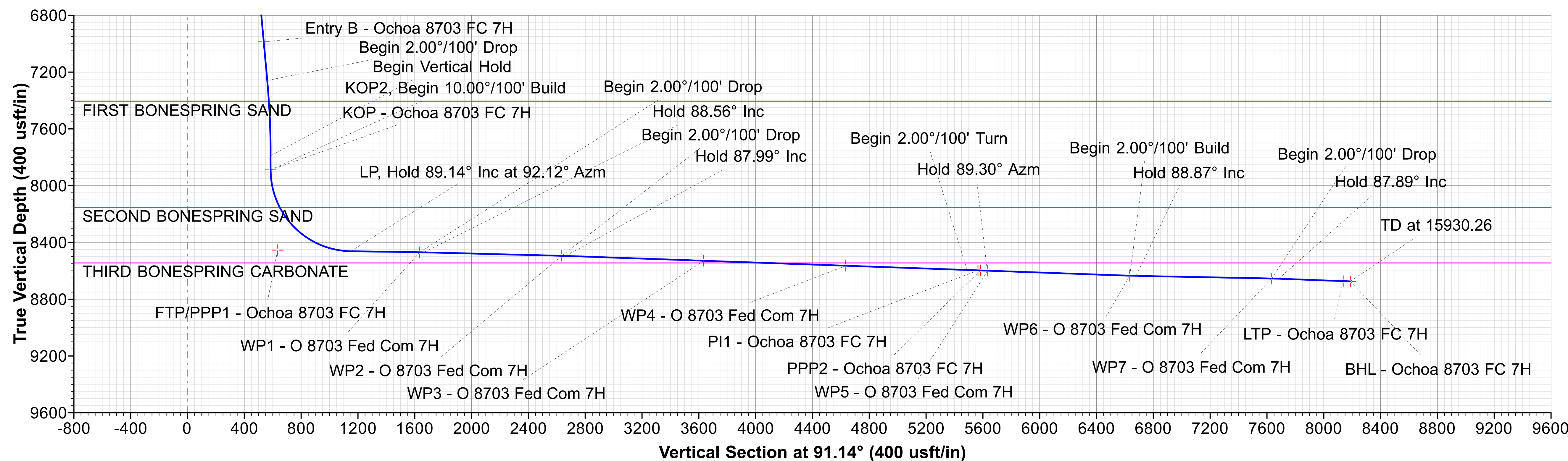
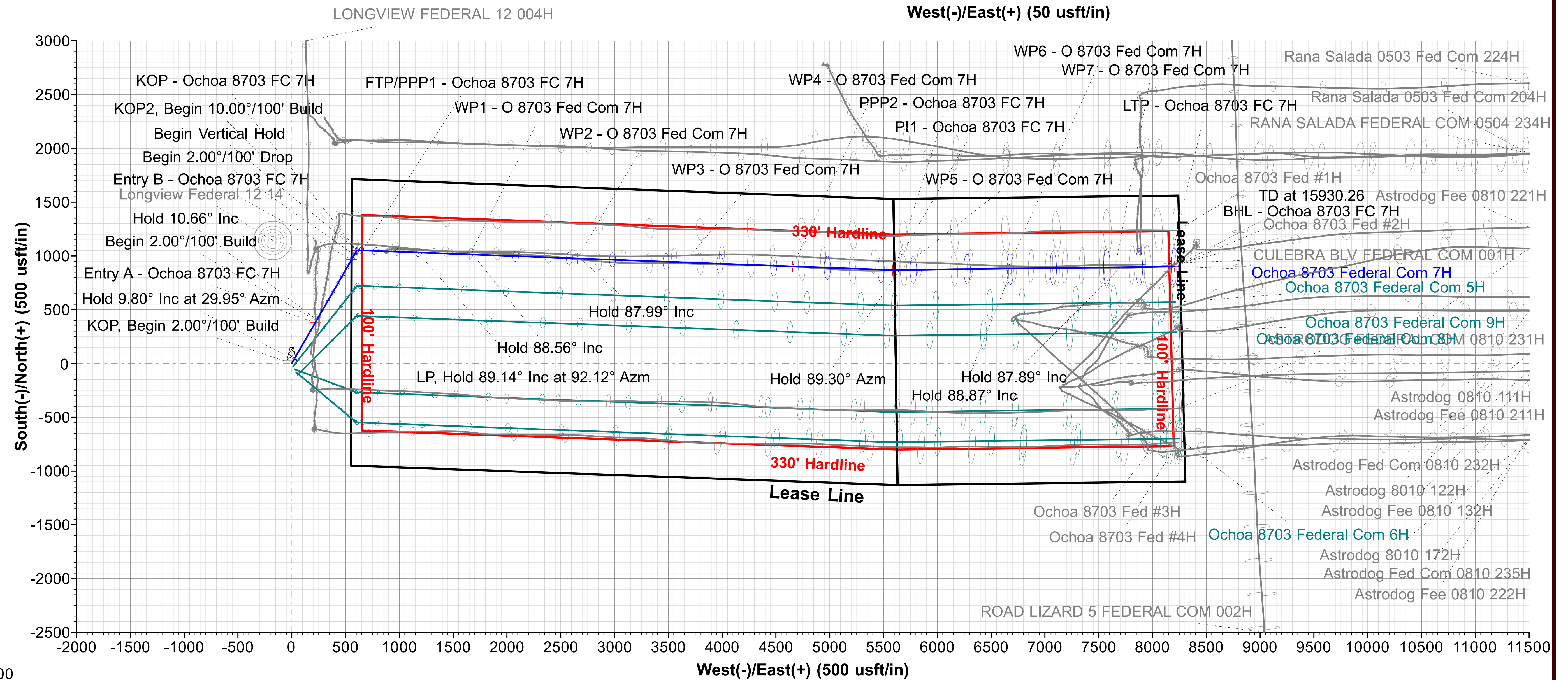
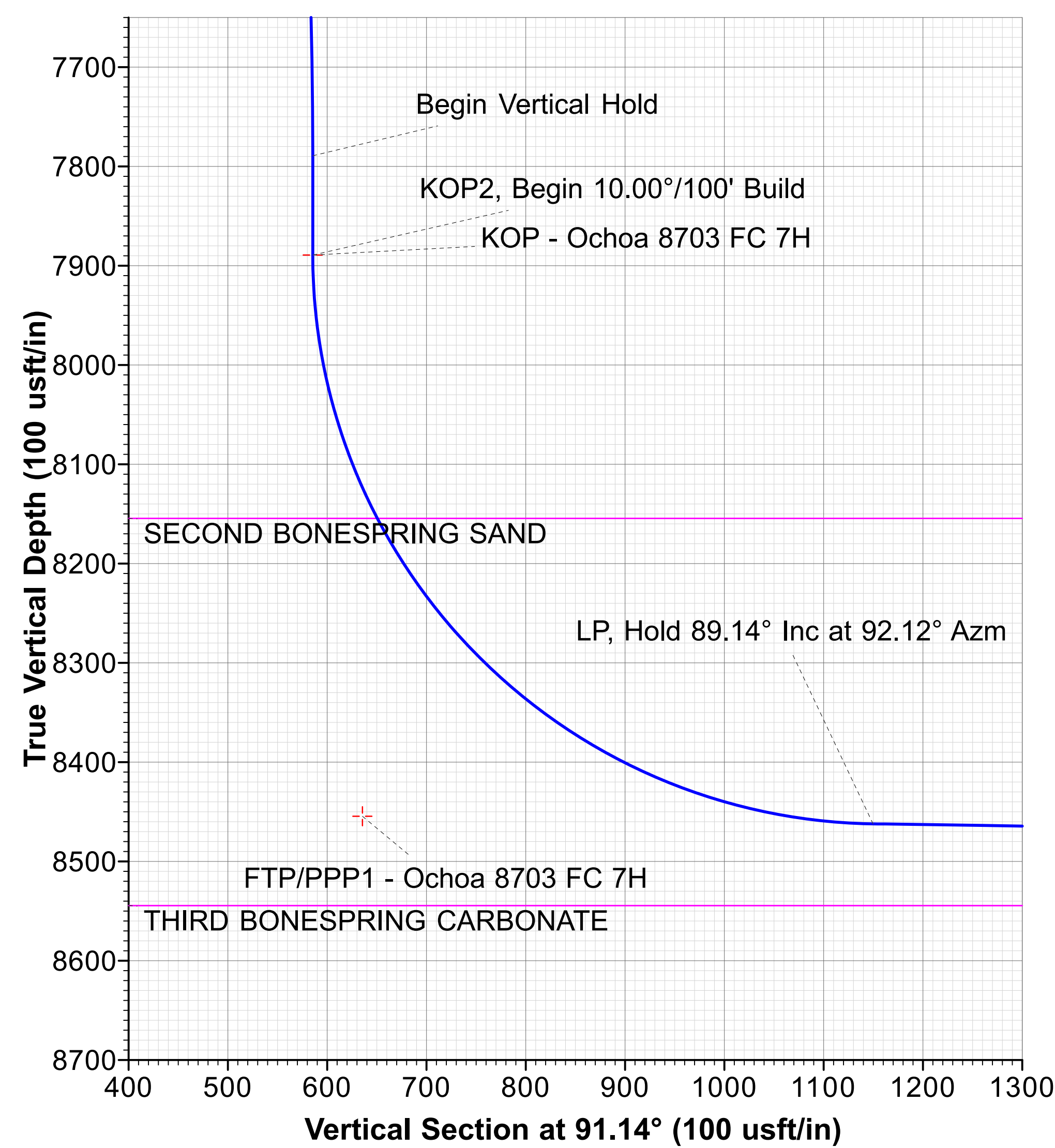
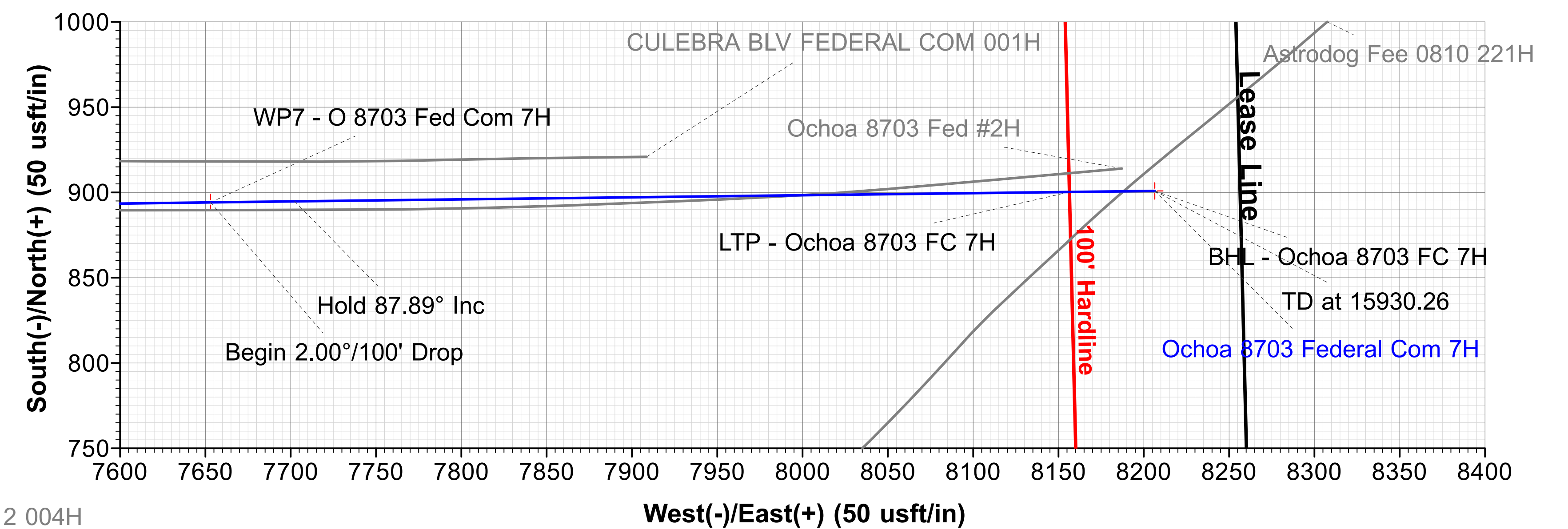
Geomagnetic Model: MVHD
Sample Date: 27-Aug-25
Magnetic Declination: 6.568°
Dip Angle from Horizontal: 59.874°
Magnetic Field Strength: 47221.73904364nT

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	North	East	Latitude	Longitude						
0.00	0.00	481292.96	633864.21	32° 19' 22.048120 N	104° 2' 1.662074 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	1090.00	9.80	29.95	1087.61	36.22	20.87	2.00	29.950	20.15		Hold 9.80° Inc at 29.95° Azm
4	3548.16	9.80	29.95	3509.90	398.75	229.75	0.00	0.000	221.78		Begin 2.00°/100' Build
5	3591.10	10.66	29.95	3552.17	405.36	233.56	2.00	0.007	225.45		Hold 10.66° Inc
6	7363.47	10.66	29.95	7259.44	1009.92	581.91	0.00	0.000	561.70		Begin 2.00°/100' Drop
7	7896.42	0.00	0.00	7789.32	1052.75	606.59	2.00	180.000	585.53		Begin Vertical Hold
8	7996.41	0.00	0.00	7889.32	1052.75	606.59	0.00	0.000	585.53		KOP2, Begin 10.00°/100' Build
9	8887.81	89.14	92.12	8462.21	1031.90	1170.56	10.00	92.118	1149.80		LP, Hold 89.14° Inc at 92.12° Azm
10	9373.55	89.14	92.12	8469.50	1013.95	1655.91	0.00	0.000	1635.41	WP1 - O 8703 Fed Com 7H	Begin 2.00°/100' Drop
11	9402.50	88.56	92.12	8470.08	1012.88	1684.84	2.00	179.949	1664.35		Hold 88.56° Inc
12	10373.86	88.56	92.12	8494.50	976.99	2655.23	0.00	0.000	2635.27	WP2 - O 8703 Fed Com 7H	Begin 2.00°/100' Drop
13	10402.09	87.99	92.12	8495.35	975.95	2683.43	2.00	-179.942	2663.48		Hold 87.99° Inc
14	13230.76	87.99	92.12	8594.32	871.49	5508.43	0.00	0.000	5490.00		Begin 2.00°/100' Turn
15	13371.38	87.99	89.30	8599.25	869.75	5648.94	2.00	-90.159	5630.52		Hold 89.30° Azm
16	14376.25	87.99	89.30	8634.50	881.96	6653.12	0.00	0.000	6634.26	WP6 - O 8703 Fed Com 7H	Begin 2.00°/100' Build
17	14420.46	88.87	89.30	8635.71	882.50	6697.31	2.00	-0.158	6678.43		Hold 88.87° Inc
18	15376.45	88.87	89.30	8654.50	894.16	7653.04	0.00	0.000	7633.74	WP7 - O 8703 Fed Com 7H	Begin 2.00°/100' Drop
19	15425.82	87.89	89.30	8655.90	894.76	7702.38	2.00	179.858	7683.06		Hold 87.89° Inc
20	15930.26	87.89	89.30	8674.50	900.89	8206.45	0.00	0.000	8186.90	BHL - Ochoa 8703 FC 7H	TD at 15930.26





BTA Oil Producers, LLC

Lea County, NM (NAD83 NME)

Ochoa 8703 Federal Com

Ochoa 8703 Federal Com 7H

OH

Plan: Plan 1 05-09-25

Standard Planning Report

08 May, 2025





Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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 7H		
Well Position	+N/-S	26.85 usft	Northing:
	+E/-W	-13.38 usft	Easting:
Position Uncertainty	1.00 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	8/27/2025	6.568	59.874	47,221.73904364

Design	Plan 1 05-09-25			
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	91.14

Plan Survey Tool Program	Date	5/8/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,930.26	Plan 1 05-09-25 (OH)	B001Mc_MWD+HRGM_R5 MWD+HRGM



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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	
1,090.00	9.80	29.95	1,087.61	36.22	20.87	2.00	2.00	0.00	29.950	
3,548.16	9.80	29.95	3,509.90	398.75	229.75	0.00	0.00	0.00	0.000	
3,591.10	10.66	29.95	3,552.17	405.36	233.56	2.00	2.00	0.00	0.007	
7,363.47	10.66	29.95	7,259.45	1,009.92	581.91	0.00	0.00	0.00	0.000	
7,896.42	0.00	0.00	7,789.32	1,052.75	606.59	2.00	-2.00	0.00	180.000	
7,996.41	0.00	0.00	7,889.32	1,052.75	606.59	0.00	0.00	0.00	0.000	
8,887.81	89.14	92.12	8,462.21	1,031.90	1,170.56	10.00	10.00	0.00	92.118	
9,373.55	89.14	92.12	8,469.50	1,013.95	1,655.91	0.00	0.00	0.00	0.000	WP1 - O 8703 Fed
9,402.50	88.56	92.12	8,470.08	1,012.88	1,684.84	2.00	-2.00	0.00	179.949	
10,373.86	88.56	92.12	8,494.50	976.99	2,655.23	0.00	0.00	0.00	0.000	WP2 - O 8703 Fed
10,402.09	87.99	92.12	8,495.35	975.95	2,683.43	2.00	-2.00	0.00	-179.942	
13,230.76	87.99	92.12	8,594.32	871.49	5,508.43	0.00	0.00	0.00	0.000	
13,371.38	87.99	89.30	8,599.25	869.75	5,648.94	2.00	0.00	-2.00	-90.159	
14,376.25	87.99	89.30	8,634.50	881.96	6,653.12	0.00	0.00	0.00	0.000	WP6 - O 8703 Fed
14,420.46	88.87	89.30	8,635.71	882.50	6,697.31	2.00	2.00	-0.01	-0.158	
15,376.45	88.87	89.30	8,654.50	894.16	7,653.04	0.00	0.00	0.00	0.000	WP7 - O 8703 Fed
15,425.82	87.89	89.30	8,655.90	894.76	7,702.38	2.00	-2.00	0.00	179.858	
15,930.26	87.89	89.30	8,674.50	900.89	8,206.45	0.00	0.00	0.00	0.000	BHL - Ochoa 8703



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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	29.95	699.98	1.51	0.87	0.84	2.00	2.00	0.00
800.00	4.00	29.95	799.84	6.05	3.48	3.36	2.00	2.00	0.00
900.00	6.00	29.95	899.45	13.60	7.83	7.56	2.00	2.00	0.00
1,000.00	8.00	29.95	998.70	24.16	13.92	13.44	2.00	2.00	0.00
1,090.00	9.80	29.95	1,087.61	36.22	20.87	20.15	2.00	2.00	0.00
Hold 9.80° Inc at 29.95° Azm									
1,100.00	9.80	29.95	1,097.47	37.70	21.72	20.97	0.00	0.00	0.00
1,200.00	9.80	29.95	1,196.01	52.44	30.22	29.17	0.00	0.00	0.00
1,300.00	9.80	29.95	1,294.55	67.19	38.72	37.37	0.00	0.00	0.00
1,400.00	9.80	29.95	1,393.09	81.94	47.21	45.57	0.00	0.00	0.00
1,500.00	9.80	29.95	1,491.63	96.69	55.71	53.78	0.00	0.00	0.00
1,600.00	9.80	29.95	1,590.17	111.44	64.21	61.98	0.00	0.00	0.00
1,700.00	9.80	29.95	1,688.71	126.18	72.71	70.18	0.00	0.00	0.00
1,800.00	9.80	29.95	1,787.25	140.93	81.20	78.38	0.00	0.00	0.00
1,858.09	9.80	29.95	1,844.50	149.50	86.14	83.15	0.00	0.00	0.00
TOP SALT									
1,900.00	9.80	29.95	1,885.79	155.68	89.70	86.59	0.00	0.00	0.00
2,000.00	9.80	29.95	1,984.34	170.43	98.20	94.79	0.00	0.00	0.00
2,100.00	9.80	29.95	2,082.88	185.18	106.70	102.99	0.00	0.00	0.00
2,200.00	9.80	29.95	2,181.42	199.92	115.19	111.19	0.00	0.00	0.00
2,300.00	9.80	29.95	2,279.96	214.67	123.69	119.40	0.00	0.00	0.00
2,400.00	9.80	29.95	2,378.50	229.42	132.19	127.60	0.00	0.00	0.00
2,500.00	9.80	29.95	2,477.04	244.17	140.69	135.80	0.00	0.00	0.00
2,507.57	9.80	29.95	2,484.50	245.28	141.33	136.42	0.00	0.00	0.00
BASE SALT									
2,600.00	9.80	29.95	2,575.58	258.92	149.18	144.00	0.00	0.00	0.00
2,700.00	9.80	29.95	2,674.12	273.66	157.68	152.21	0.00	0.00	0.00
2,791.72	9.80	29.95	2,764.50	287.19	165.48	159.73	0.00	0.00	0.00
DELAWARE									
2,800.00	9.80	29.95	2,772.66	288.41	166.18	160.41	0.00	0.00	0.00
2,822.16	9.80	29.95	2,794.50	291.68	168.06	162.23	0.00	0.00	0.00
BELL CANYON									
2,900.00	9.80	29.95	2,871.20	303.16	174.68	168.61	0.00	0.00	0.00
3,000.00	9.80	29.95	2,969.74	317.91	183.17	176.81	0.00	0.00	0.00
3,100.00	9.80	29.95	3,068.28	332.66	191.67	185.02	0.00	0.00	0.00
3,200.00	9.80	29.95	3,166.83	347.40	200.17	193.22	0.00	0.00	0.00
3,300.00	9.80	29.95	3,265.37	362.15	208.67	201.42	0.00	0.00	0.00
3,400.00	9.80	29.95	3,363.91	376.90	217.16	209.62	0.00	0.00	0.00
3,500.00	9.80	29.95	3,462.45	391.65	225.66	217.83	0.00	0.00	0.00
3,548.16	9.80	29.95	3,509.90	398.75	229.75	221.78	0.00	0.00	0.00
Begin 2.00°/100' Build									
3,591.10	10.66	29.95	3,552.17	405.36	233.56	225.45	2.00	2.00	0.00
Hold 10.66° Inc									
3,600.00	10.66	29.95	3,560.91	406.78	234.38	226.24	0.00	0.00	0.00
3,700.00	10.66	29.95	3,659.18	422.81	243.62	235.16	0.00	0.00	0.00
3,800.00	10.66	29.95	3,757.46	438.84	252.85	244.07	0.00	0.00	0.00
3,817.34	10.66	29.95	3,774.50	441.62	254.45	245.62	0.00	0.00	0.00
CHERRY CANYON									



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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	10.66	29.95	3,855.73	454.86	262.09	252.98	0.00	0.00	0.00
4,000.00	10.66	29.95	3,954.01	470.89	271.32	261.90	0.00	0.00	0.00
4,100.00	10.66	29.95	4,052.28	486.91	280.56	270.81	0.00	0.00	0.00
4,200.00	10.66	29.95	4,150.56	502.94	289.79	279.73	0.00	0.00	0.00
4,300.00	10.66	29.95	4,248.83	518.97	299.02	288.64	0.00	0.00	0.00
4,400.00	10.66	29.95	4,347.10	534.99	308.26	297.55	0.00	0.00	0.00
4,500.00	10.66	29.95	4,445.38	551.02	317.49	306.47	0.00	0.00	0.00
4,600.00	10.66	29.95	4,543.65	567.04	326.73	315.38	0.00	0.00	0.00
4,700.00	10.66	29.95	4,641.93	583.07	335.96	324.29	0.00	0.00	0.00
4,800.00	10.66	29.95	4,740.20	599.10	345.19	333.21	0.00	0.00	0.00
4,855.25	10.66	29.95	4,794.50	607.95	350.30	338.13	0.00	0.00	0.00
BRUSHY CANYON									
4,900.00	10.66	29.95	4,838.48	615.12	354.43	342.12	0.00	0.00	0.00
5,000.00	10.66	29.95	4,936.75	631.15	363.66	351.03	0.00	0.00	0.00
5,100.00	10.66	29.95	5,035.03	647.18	372.90	359.95	0.00	0.00	0.00
5,200.00	10.66	29.95	5,133.30	663.20	382.13	368.86	0.00	0.00	0.00
5,300.00	10.66	29.95	5,231.58	679.23	391.37	377.77	0.00	0.00	0.00
5,400.00	10.66	29.95	5,329.85	695.25	400.60	386.69	0.00	0.00	0.00
5,500.00	10.66	29.95	5,428.13	711.28	409.83	395.60	0.00	0.00	0.00
5,600.00	10.66	29.95	5,526.40	727.31	419.07	404.52	0.00	0.00	0.00
5,700.00	10.66	29.95	5,624.67	743.33	428.30	413.43	0.00	0.00	0.00
5,800.00	10.66	29.95	5,722.95	759.36	437.54	422.34	0.00	0.00	0.00
5,900.00	10.66	29.95	5,821.22	775.38	446.77	431.26	0.00	0.00	0.00
6,000.00	10.66	29.95	5,919.50	791.41	456.01	440.17	0.00	0.00	0.00
6,100.00	10.66	29.95	6,017.77	807.44	465.24	449.08	0.00	0.00	0.00
6,200.00	10.66	29.95	6,116.05	823.46	474.47	458.00	0.00	0.00	0.00
6,300.00	10.66	29.95	6,214.32	839.49	483.71	466.91	0.00	0.00	0.00
6,400.00	10.66	29.95	6,312.60	855.51	492.94	475.82	0.00	0.00	0.00
6,432.46	10.66	29.95	6,344.50	860.72	495.94	478.72	0.00	0.00	0.00
BONESPRING LIME									
6,500.00	10.66	29.95	6,410.87	871.54	502.18	484.74	0.00	0.00	0.00
6,600.00	10.66	29.95	6,509.15	887.57	511.41	493.65	0.00	0.00	0.00
6,700.00	10.66	29.95	6,607.42	903.59	520.65	502.57	0.00	0.00	0.00
6,800.00	10.66	29.95	6,705.69	919.62	529.88	511.48	0.00	0.00	0.00
6,900.00	10.66	29.95	6,803.97	935.64	539.11	520.39	0.00	0.00	0.00
7,000.00	10.66	29.95	6,902.24	951.67	548.35	529.31	0.00	0.00	0.00
7,100.00	10.66	29.95	7,000.52	967.70	557.58	538.22	0.00	0.00	0.00
7,200.00	10.66	29.95	7,098.79	983.72	566.82	547.13	0.00	0.00	0.00
7,300.00	10.66	29.95	7,197.07	999.75	576.05	556.05	0.00	0.00	0.00
7,363.47	10.66	29.95	7,259.45	1,009.92	581.91	561.70	0.00	0.00	0.00
Begin 2.00°/100' Drop									
7,400.00	9.93	29.95	7,295.38	1,015.58	585.17	564.85	2.00	-2.00	0.00
7,500.00	7.93	29.95	7,394.17	1,029.02	592.92	572.33	2.00	-2.00	0.00
7,515.47	7.62	29.95	7,409.50	1,030.84	593.96	573.34	2.00	-2.00	0.00
FIRST BONESPRING SAND									
7,600.00	5.93	29.95	7,493.43	1,039.47	598.94	578.14	2.00	-2.00	0.00
7,700.00	3.93	29.95	7,593.06	1,046.92	603.23	582.28	2.00	-2.00	0.00
7,800.00	1.93	29.95	7,692.92	1,051.34	605.78	584.74	2.00	-2.00	0.00
7,896.42	0.00	0.00	7,789.32	1,052.75	606.59	585.53	2.00	-2.00	0.00
Begin Vertical Hold									
7,996.41	0.00	0.00	7,889.32	1,052.75	606.59	585.53	0.00	0.00	0.00
KOP2, Begin 10.00°/100' Build									
8,000.00	0.36	92.12	7,892.90	1,052.75	606.60	585.54	10.00	10.00	0.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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)
8,100.00	10.36	92.12	7,992.34	1,052.40	615.92	594.86	10.00	10.00	0.00
8,200.00	20.36	92.12	8,088.65	1,051.43	642.36	621.31	10.00	10.00	0.00
8,272.11	27.57	92.12	8,154.50	1,050.35	671.61	650.58	10.00	10.00	0.00
SECOND BONESPRING SAND									
8,300.00	30.36	92.12	8,178.90	1,049.85	685.10	664.08	10.00	10.00	0.00
8,400.00	40.36	92.12	8,260.35	1,047.71	742.86	721.87	10.00	10.00	0.00
8,500.00	50.36	92.12	8,330.52	1,045.09	813.87	792.92	10.00	10.00	0.00
8,600.00	60.36	92.12	8,387.30	1,042.05	895.98	875.07	10.00	10.00	0.00
8,700.00	70.36	92.12	8,428.94	1,038.69	986.70	965.84	10.00	10.00	0.00
8,800.00	80.36	92.12	8,454.18	1,035.12	1,083.26	1,062.46	10.00	10.00	0.00
8,887.81	89.14	92.12	8,462.21	1,031.90	1,170.56	1,149.80	10.00	10.00	0.00
LP, Hold 89.14° Inc at 92.12° Azm									
8,900.00	89.14	92.12	8,462.39	1,031.45	1,182.74	1,161.99	0.00	0.00	0.00
9,000.00	89.14	92.12	8,463.89	1,027.75	1,282.66	1,261.96	0.00	0.00	0.00
9,100.00	89.14	92.12	8,465.39	1,024.06	1,382.58	1,361.93	0.00	0.00	0.00
9,200.00	89.14	92.12	8,466.90	1,020.36	1,482.50	1,461.91	0.00	0.00	0.00
9,300.00	89.14	92.12	8,468.40	1,016.67	1,582.42	1,561.88	0.00	0.00	0.00
9,373.55	89.14	92.12	8,469.50	1,013.95	1,655.91	1,635.41	0.00	0.00	0.00
Begin 2.00°/100' Drop									
9,400.00	88.61	92.12	8,470.02	1,012.97	1,682.34	1,661.85	2.00	-2.00	0.00
9,402.50	88.56	92.12	8,470.08	1,012.88	1,684.84	1,664.35	2.00	-2.00	0.00
Hold 88.56° Inc									
9,500.00	88.56	92.12	8,472.53	1,009.28	1,782.24	1,761.81	0.00	0.00	0.00
9,600.00	88.56	92.12	8,475.05	1,005.58	1,882.14	1,861.76	0.00	0.00	0.00
9,700.00	88.56	92.12	8,477.56	1,001.89	1,982.04	1,961.72	0.00	0.00	0.00
9,800.00	88.56	92.12	8,480.07	998.19	2,081.94	2,061.67	0.00	0.00	0.00
9,900.00	88.56	92.12	8,482.59	994.50	2,181.84	2,161.62	0.00	0.00	0.00
10,000.00	88.56	92.12	8,485.10	990.80	2,281.74	2,261.58	0.00	0.00	0.00
10,100.00	88.56	92.12	8,487.62	987.11	2,381.64	2,361.53	0.00	0.00	0.00
10,200.00	88.56	92.12	8,490.13	983.41	2,481.54	2,461.48	0.00	0.00	0.00
10,300.00	88.56	92.12	8,492.64	979.72	2,581.44	2,561.44	0.00	0.00	0.00
10,373.86	88.56	92.12	8,494.50	976.99	2,655.23	2,635.27	0.00	0.00	0.00
Begin 2.00°/100' Drop									
10,400.00	88.04	92.12	8,495.28	976.02	2,681.34	2,661.39	2.00	-2.00	0.00
10,402.09	87.99	92.12	8,495.35	975.95	2,683.43	2,663.48	2.00	-2.00	0.00
Hold 87.99° Inc									
10,500.00	87.99	92.12	8,498.77	972.33	2,781.21	2,761.31	0.00	0.00	0.00
10,600.00	87.99	92.12	8,502.27	968.64	2,881.08	2,861.24	0.00	0.00	0.00
10,700.00	87.99	92.12	8,505.77	964.95	2,980.95	2,961.16	0.00	0.00	0.00
10,800.00	87.99	92.12	8,509.27	961.25	3,080.82	3,061.09	0.00	0.00	0.00
10,900.00	87.99	92.12	8,512.77	957.56	3,180.69	3,161.01	0.00	0.00	0.00
11,000.00	87.99	92.12	8,516.27	953.87	3,280.56	3,260.93	0.00	0.00	0.00
11,100.00	87.99	92.12	8,519.77	950.18	3,380.43	3,360.86	0.00	0.00	0.00
11,200.00	87.99	92.12	8,523.27	946.48	3,480.30	3,460.78	0.00	0.00	0.00
11,300.00	87.99	92.12	8,526.77	942.79	3,580.17	3,560.71	0.00	0.00	0.00
11,400.00	87.99	92.12	8,530.26	939.10	3,680.04	3,660.63	0.00	0.00	0.00
11,500.00	87.99	92.12	8,533.76	935.40	3,779.91	3,760.56	0.00	0.00	0.00
11,600.00	87.99	92.12	8,537.26	931.71	3,879.78	3,860.48	0.00	0.00	0.00
11,700.00	87.99	92.12	8,540.76	928.02	3,979.65	3,960.40	0.00	0.00	0.00
11,800.00	87.99	92.12	8,544.26	924.33	4,079.53	4,060.33	0.00	0.00	0.00
11,806.88	87.99	92.12	8,544.50	924.07	4,086.40	4,067.20	0.00	0.00	0.00
THIRD BONESPRING CARBONATE									
11,900.00	87.99	92.12	8,547.76	920.63	4,179.40	4,160.25	0.00	0.00	0.00



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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)
12,000.00	87.99	92.12	8,551.26	916.94	4,279.27	4,260.18	0.00	0.00	0.00
12,100.00	87.99	92.12	8,554.76	913.25	4,379.14	4,360.10	0.00	0.00	0.00
12,200.00	87.99	92.12	8,558.25	909.56	4,479.01	4,460.03	0.00	0.00	0.00
12,300.00	87.99	92.12	8,561.75	905.86	4,578.88	4,559.95	0.00	0.00	0.00
12,400.00	87.99	92.12	8,565.25	902.17	4,678.75	4,659.87	0.00	0.00	0.00
12,500.00	87.99	92.12	8,568.75	898.48	4,778.62	4,759.80	0.00	0.00	0.00
12,600.00	87.99	92.12	8,572.25	894.78	4,878.49	4,859.72	0.00	0.00	0.00
12,700.00	87.99	92.12	8,575.75	891.09	4,978.36	4,959.65	0.00	0.00	0.00
12,800.00	87.99	92.12	8,579.25	887.40	5,078.23	5,059.57	0.00	0.00	0.00
12,900.00	87.99	92.12	8,582.75	883.71	5,178.10	5,159.49	0.00	0.00	0.00
13,000.00	87.99	92.12	8,586.25	880.01	5,277.97	5,259.42	0.00	0.00	0.00
13,100.00	87.99	92.12	8,589.74	876.32	5,377.84	5,359.34	0.00	0.00	0.00
13,200.00	87.99	92.12	8,593.24	872.63	5,477.71	5,459.27	0.00	0.00	0.00
13,230.76	87.99	92.12	8,594.32	871.49	5,508.43	5,490.00	0.00	0.00	0.00
Begin 2.00°/100' Turn									
13,300.00	87.99	90.73	8,596.74	869.77	5,577.61	5,559.20	2.00	0.00	-2.00
13,371.38	87.99	89.30	8,599.25	869.75	5,648.94	5,630.52	2.00	0.00	-2.00
Hold 89.30° Azm									
13,400.00	87.99	89.30	8,600.25	870.10	5,677.54	5,659.11	0.00	0.00	0.00
13,500.00	87.99	89.30	8,603.76	871.31	5,777.47	5,758.99	0.00	0.00	0.00
13,600.00	87.99	89.30	8,607.27	872.53	5,877.40	5,858.88	0.00	0.00	0.00
13,700.00	87.99	89.30	8,610.78	873.74	5,977.34	5,958.77	0.00	0.00	0.00
13,800.00	87.99	89.30	8,614.28	874.96	6,077.27	6,058.66	0.00	0.00	0.00
13,900.00	87.99	89.30	8,617.79	876.17	6,177.20	6,158.54	0.00	0.00	0.00
14,000.00	87.99	89.30	8,621.30	877.39	6,277.13	6,258.43	0.00	0.00	0.00
14,100.00	87.99	89.30	8,624.81	878.60	6,377.06	6,358.32	0.00	0.00	0.00
14,200.00	87.99	89.30	8,628.32	879.82	6,476.99	6,458.20	0.00	0.00	0.00
14,300.00	87.99	89.30	8,631.83	881.03	6,576.92	6,558.09	0.00	0.00	0.00
14,376.25	87.99	89.30	8,634.50	881.96	6,653.12	6,634.26	0.00	0.00	0.00
Begin 2.00°/100' Build									
14,400.00	88.46	89.30	8,635.23	882.25	6,676.86	6,657.98	2.00	2.00	-0.01
14,420.46	88.87	89.30	8,635.71	882.50	6,697.31	6,678.43	2.00	2.00	-0.01
Hold 88.87° Inc									
14,500.00	88.87	89.30	8,637.27	883.47	6,776.83	6,757.91	0.00	0.00	0.00
14,600.00	88.87	89.30	8,639.24	884.69	6,876.80	6,857.84	0.00	0.00	0.00
14,700.00	88.87	89.30	8,641.20	885.91	6,976.77	6,957.77	0.00	0.00	0.00
14,800.00	88.87	89.30	8,643.17	887.13	7,076.75	7,057.70	0.00	0.00	0.00
14,900.00	88.87	89.30	8,645.14	888.35	7,176.72	7,157.63	0.00	0.00	0.00
15,000.00	88.87	89.30	8,647.10	889.57	7,276.69	7,257.55	0.00	0.00	0.00
15,100.00	88.87	89.30	8,649.07	890.79	7,376.67	7,357.48	0.00	0.00	0.00
15,200.00	88.87	89.30	8,651.03	892.01	7,476.64	7,457.41	0.00	0.00	0.00
15,300.00	88.87	89.30	8,653.00	893.23	7,576.61	7,557.34	0.00	0.00	0.00
15,376.45	88.87	89.30	8,654.50	894.16	7,653.04	7,633.74	0.00	0.00	0.00
Begin 2.00°/100' Drop									
15,400.00	88.40	89.30	8,655.06	894.45	7,676.58	7,657.27	2.00	-2.00	0.00
15,425.82	87.89	89.30	8,655.90	894.76	7,702.38	7,683.06	2.00	-2.00	0.00
Hold 87.89° Inc									
15,500.00	87.89	89.30	8,658.63	895.66	7,776.51	7,757.15	0.00	0.00	0.00
15,600.00	87.89	89.30	8,662.32	896.88	7,876.44	7,857.03	0.00	0.00	0.00
15,700.00	87.89	89.30	8,666.01	898.09	7,976.36	7,956.92	0.00	0.00	0.00
15,800.00	87.89	89.30	8,669.70	899.31	8,076.29	8,056.80	0.00	0.00	0.00
15,900.00	87.89	89.30	8,673.38	900.52	8,176.21	8,156.68	0.00	0.00	0.00
15,930.26	87.89	89.30	8,674.50	900.89	8,206.45	8,186.90	0.00	0.00	0.00



Phoenix Technology Services
Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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)
TD at 15930.26									



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

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 - Ochoa 8703 - plan hits target center - Point	0.00	0.00	3,374.75	378.52	218.10	481,671.48	634,082.31	12° 19' 25.787827 N	04° 1' 59.107931 W
Entry B - Ochoa 8703 - plan misses target center by 0.02usft at 7086.76usft MD (6987.51 TVD, 965.58 N, 556.36 E) - Point	0.00	0.00	6,987.51	965.56	556.36	482,258.52	634,420.57	12° 19' 31.587644 N	04° 1' 55.146494 W
KOP - Ochoa 8703 FC - plan hits target center - Point	0.00	0.00	7,889.32	1,052.75	606.59	482,345.71	634,470.80	12° 19' 32.449057 N	04° 1' 54.558227 W
FTP/PPP1 - Ochoa 8703 - plan misses target center by 197.17usft at 8475.10usft MD (8314.22 TVD, 1045.78 N, 795.06 E) - Point	0.00	0.00	8,454.50	1,050.90	656.59	482,343.86	634,520.80	12° 19' 32.429358 N	04° 1' 53.975559 W
WP1 - O 8703 Fed Cc - plan hits target center - Point	0.00	0.00	8,469.50	1,013.95	1,655.91	482,306.91	635,520.12	12° 19' 32.035717 N	04° 1' 42.330140 W
WP2 - O 8703 Fed Cc - plan hits target center - Point	0.00	0.00	8,494.50	976.99	2,655.23	482,269.95	636,519.44	12° 19' 31.641680 N	04° 1' 30.684751 W
WP3 - O 8703 Fed Cc - plan misses target center by 0.13usft at 11374.48usft MD (8529.37 TVD, 940.04 N, 3654.55 E) - Point	0.00	0.01	8,529.50	940.04	3,654.55	482,233.00	637,518.76	12° 19' 31.247443 N	04° 1' 19.039393 W
WP4 - O 8703 Fed Cc - plan misses target center by 0.12usft at 12375.08usft MD (8564.38 TVD, 903.09 N, 4653.86 E) - Point	0.00	0.00	8,564.50	903.09	4,653.86	482,196.05	638,518.07	12° 19' 30.852908 N	104° 1' 7.394182 W
PI1 - Ochoa 8703 FC - plan misses target center by 1.01usft at 13306.46usft MD (8596.97 TVD, 869.70 N, 5584.06 E) - Point	0.00	0.00	8,596.97	868.69	5,584.06	482,161.65	639,448.27	12° 19' 30.485336 N	04° 0' 56.554355 W
PPP2 - Ochoa 8703 F - plan misses target center by 0.66usft at 13324.16usft MD (8597.59 TVD, 869.57 N, 5601.75 E) - Point	0.00	0.00	8,597.59	868.91	5,601.75	482,161.87	639,465.96	12° 19' 30.486994 N	04° 0' 56.348179 W
WP5 - O 8703 Fed Cc - plan misses target center by 0.11usft at 13375.63usft MD (8599.40 TVD, 869.80 N, 5653.19 E) - Point	0.00	0.00	8,599.50	869.76	5,653.19	482,162.72	639,517.40	12° 19' 30.493896 N	04° 0' 55.748643 W
WP6 - O 8703 Fed Cc - plan hits target center - Point	0.00	0.00	8,634.50	881.96	6,653.12	482,174.92	640,517.33	12° 19' 30.585122 N	04° 0' 44.094550 W
WP7 - O 8703 Fed Cc - plan hits target center - Point	0.00	0.00	8,654.50	894.16	7,653.04	482,187.12	641,517.25	12° 19' 30.676049 N	04° 0' 32.440569 W
LTP - Ochoa 8703 FC - plan hits target center - Point	0.00	0.00	8,672.65	900.28	8,156.45	482,193.24	642,020.66	12° 19' 30.721495 N	04° 0' 26.573368 W
BHL - Ochoa 8703 FC - plan hits target center - Point	0.00	0.00	8,674.50	900.89	8,206.45	482,193.85	642,070.66	12° 19' 30.726026 N	04° 0' 25.990623 W



Phoenix Technology Services

Planning Report



Database:	USAEDMDB	Local Co-ordinate Reference:	Well Ochoa 8703 Federal Com 7H
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 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 05-09-25		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
274.50	274.50	RUSTLER			
1,858.09	1,844.50	TOP SALT			
2,507.57	2,484.50	BASE SALT			
2,791.72	2,764.50	DELAWARE			
2,822.16	2,794.50	BELL CANYON			
3,817.34	3,774.50	CHERRY CANYON			
4,855.25	4,794.50	BRUSHY CANYON			
6,432.46	6,344.50	BONESPRING LIME			
7,515.47	7,409.50	FIRST BONESPRING SAND			
8,272.11	8,154.50	SECOND BONESPRING SAND			
11,806.88	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
1,090.00	1,087.61	36.22	20.87	Hold 9.80° Inc at 29.95° Azm
3,548.16	3,509.90	398.75	229.75	Begin 2.00°/100' Build
3,591.10	3,552.17	405.36	233.56	Hold 10.66° Inc
7,363.47	7,259.45	1,009.92	581.91	Begin 2.00°/100' Drop
7,896.42	7,789.32	1,052.75	606.59	Begin Vertical Hold
7,996.41	7,889.32	1,052.75	606.59	KOP2, Begin 10.00°/100' Build
8,887.81	8,462.21	1,031.90	1,170.56	LP, Hold 89.14° Inc at 92.12° Azm
9,373.55	8,469.50	1,013.95	1,655.91	Begin 2.00°/100' Drop
9,402.50	8,470.08	1,012.88	1,684.84	Hold 88.56° Inc
10,373.86	8,494.50	976.99	2,655.23	Begin 2.00°/100' Drop
10,402.09	8,495.35	975.95	2,683.43	Hold 87.99° Inc
13,230.76	8,594.32	871.49	5,508.43	Begin 2.00°/100' Turn
13,371.38	8,599.25	869.75	5,648.94	Hold 89.30° Azm
14,376.25	8,634.50	881.96	6,653.12	Begin 2.00°/100' Build
14,420.46	8,635.71	882.50	6,697.31	Hold 88.87° Inc
15,376.45	8,654.50	894.16	7,653.04	Begin 2.00°/100' Drop
15,425.82	8,655.90	894.76	7,702.38	Hold 87.89° Inc
15,930.26	8,674.50	900.89	8,206.45	TD at 15930.26

	BTA Oil Producers, LLC					WELL: Ochoa 8703 Fed Com #7H				
	104 S Pecos					TVD: 8671		KOP		8028
	Midland, TX 79701					MD: 15920				
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
12 1/4	9 5/8	0	2775	0	2755	No	36	J-55	LTC	1.4	2.5	5.6	4.5	Dry	10
8 3/4	5.5	0	15920	0	8671	No	17	P110	Buttress	1.8	2.5	2.0	2.1	Dry	9.4

Cementing Program

Csg. Size		Stage Tool Depth	Top MD of Segment	Bottom MD of Segment	Cement Type	Quantity (sk)	Yield (cu. Ft./sk)	Density (lbs. gal)	Volume (cu.ft.)	% Excess	Additives
13 3/8	Lead		0	180	Class C	145	1.76	12.8	255.2	100%	2% CaCl2
	Tail		180	375	Class C	200	1.35	14.8	270	100%	2% CaCl2
9 5/8	Lead		0	2220	Class C	655	2.46	12.8	1611.3	100%	0.5% CaCl2
	Tail		2220	2775	Class C	200	1.34	14.8	268	25%	1% CaCl2
5 1/2	Lead		1775	9910	Class C	800	3.96	10.3	3168	60%	0.4% Fluid Loss
	Tail		9910	15920	Class C	1110	1.71	13	1898.1	25%	0.2% LT Retarder

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

WELL LOCATION INFORMATION

API Number 30-015-49556	Pool Code 15011	Pool Name CULEBRA BLUFF; BONE SPRING, SOUTH
Property Code	Property Name OCHOA 8703 FEDERAL COM	Well Number 7H
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 H	Section 12	Township 23S	Range 28E	Lot	Ft. from N/S 1706' FNL	Ft. from E/W 554' FEL	Latitude 32.32279115	Longitude -104.03379502	County EDDY
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Bottom Hole Location

UL C	Section 8	Township 23S	Range 29E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 2605' FWL	Latitude 32.32520168	Longitude -104.00721961	County EDDY
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Dedicated Acres 474.11	Infill or Defining Well INFILL	Defining Well API 30-015-56288	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers:			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL D	Section 7	Township 23S	Range 29E	Lot L 1	Ft. from N/S 660' FNL	Ft. from E/W 50' FWL	Latitude 32.32568029	Longitude -104.03182172	County EDDY
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First Take Point (FTP)

UL D	Section 7	Township 23S	Range 29E	Lot L 1	Ft. from N/S 660' FNL	Ft. from E/W 100' FWL	Latitude 32.32567482	Longitude -104.03165988	County EDDY
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Last Take Point (LTP)

UL C	Section 8	Township 23S	Range 29E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 2555' FWL	Latitude 32.32520041	Longitude -104.00738148	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3016'
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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
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.



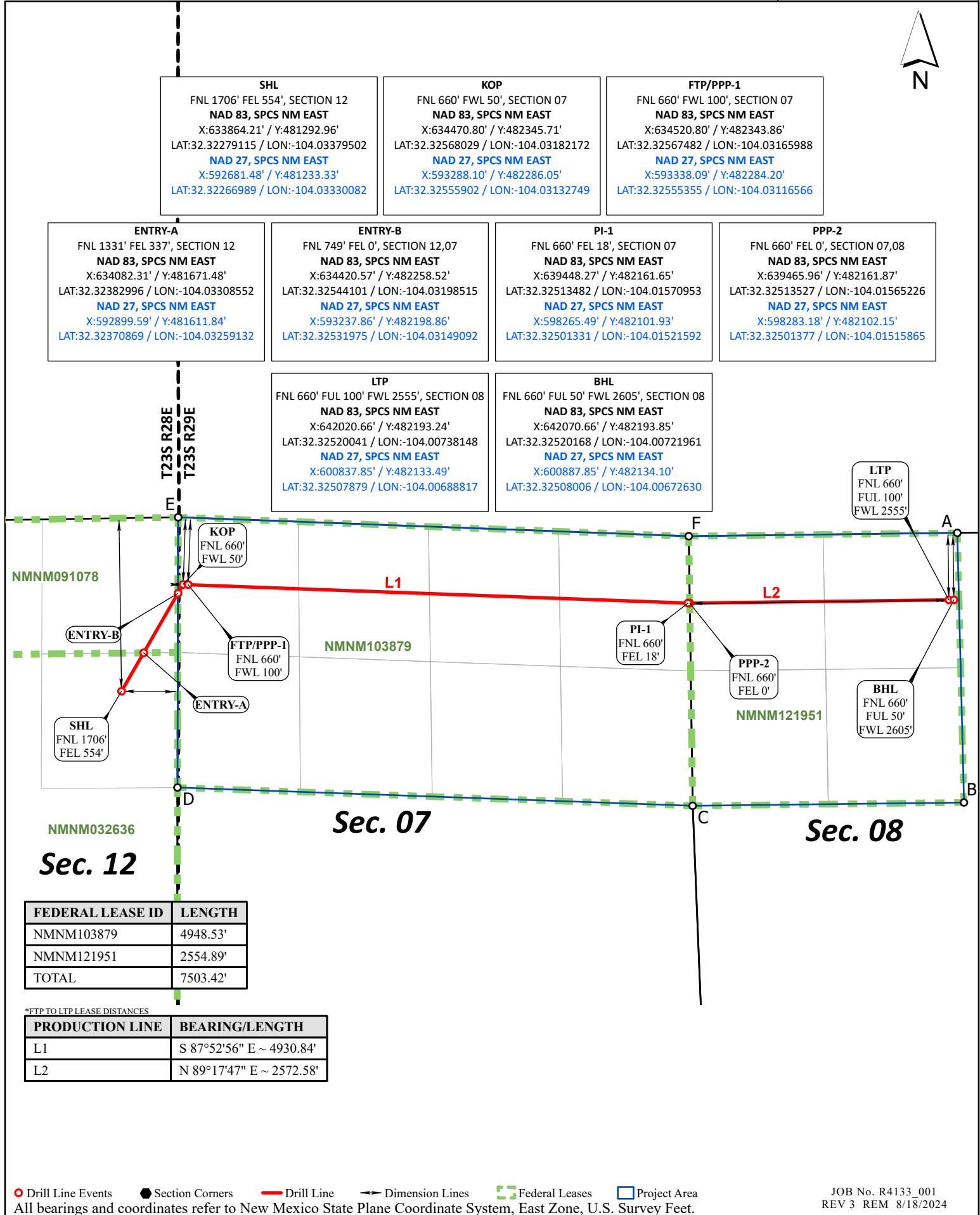
Signature and Seal of Professional Surveyor

Certificate Number 21653	Date of Survey AUGUST 19, 2024
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ACREAGE DEDICATION PLATS

OCHOA 8703 FEDERAL COM

7H



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 514171

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 514171
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Work was performed without OCD approval.	10/20/2025