

Well Name: OCHOA 8703 FEDERAL COM	Well Location: T23S / R28E / SEC 12 / SENE / 32.3226433 / -104.0337088	County or Parish/State: EDDY / NM
Well Number: 8H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM103879	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549557	Operator: BTA OIL PRODUCERS LLC	

Notice of Intent

Sundry ID: 2846116

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 04/08/2025	Time Sundry Submitted: 04:24
Date proposed operation will begin: 04/08/2025	

Procedure Description: OCHOA 8703 FEDERAL COM 8H 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 8H will now be an INFILL well to the OCHOA 8703 FEDERAL COM 9H (api #30-015-56288). OCHOA 8703 FEDERAL COM 9H will be the DEFINING well. Please see attached documents for more details. OLD FOOTAGES: SHL: 1760' FNL & 527' FEL (NO CHANGE) FTP: 1980' FNL & 100' FWL (NO CHANGE) LTP: 1980' FNL & 2540' FWL BHL: 1980' FNL & 2600' FWL OLD FIELD & POOL: [98220] PURPLE SAGE; WOLFCAMP NEW FOOTAGES: KOP: 1980' FNL & 50' FWL LTP: 1980' FNL & 2568' FWL BHL: 1980' FNL & 2618' FWL NEW FIELD & POOL: [15011] CULEBRA BLUFF; BONE SPRING, SOUTH

NOI Attachments

Procedure Description

- Drill_plan_OCHOA_8H_revised_20250409141426.pdf
- Ochoa__08H_directional_plan_20250408162254.pdf
- OCHOA_8703_FEDERAL_COM_8H_REV._3___CERTIFIED_C_102__8_19_2024___SIGNED_20250408162234.pdf

Received by OCD: 10/10/2025 12:26:35 PM

Page 2 of 25

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Conditions of Approval

Additional

SEC12_T23SR28E_OCHOA_8703__FED_COM_Eddy__BTA_OIL_PRODUCERS_LLC_45769_JS_20250422131133.pdf

OCHOA_8703_FEDERAL_COM_8H_COAs_20250422131133.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: APR 09, 2025 02:14 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: 05/14/2025

Signature: Chris Walls

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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

5. Lease Serial No.
NMNM103879

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

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

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

2. Name of Operator
BTA OIL PRODUCERS LLC

9. API Well No. 3001549557

3a. Address 104 S. Pecos, Midland, TX 79701

3b. Phone No. (include area code)
(432) 682-3753

10. Field and Pool or Exploratory Area
PURPLE SAGE/BONE SPRING

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

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.)

OCHOA 8703 FEDERAL COM 8H

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 8H will now be an INFILL well to the OCHOA 8703 FEDERAL COM 9H (api #30-015-56288). OCHOA 8703 FEDERAL COM 9H will be the DEFINING well. Please see attached documents for more details.

OLD FOOTAGES:

SHL: 1760' FNL & 527' FEL (NO CHANGE)

FTP: 1980' FNL & 100' FWL (NO CHANGE)

LTP: 1980' FNL & 2540' FWL

BHL: 1980' FNL & 2600 FWL

OLD FIELD & POOL:

[98220] PURPLE SAGE; WOLFCAMP

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

Title

(Electronic Submission)

Signature

Date

04/09/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

Petroleum Engineer

Title

05/14/2025

Date

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.

CARLSBAD

Office

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:

KOP: 1980' FNL & 50' FWL

LTP: 1980' FNL & 2568' FWL

BHL: 1980' FNL & 2618 FWL

NEW FIELD & POOL:

[15011] CULEBRA BLUFF; BONE SPRING, SOUTH

Location of Well

0. SHL: SENE / 1760 FNL / 527 FEL / TWSP: 23S / RANGE: 28E / SECTION: 12 / LAT: 32.3226433 / LONG: -104.0337088 (TVD: 0 feet, MD: 0 feet)

PPP: SWNW / 1949 FNL / 1 FWL / TWSP: 23S / RANGE: 29E / SECTION: 7 / LAT: 32.322139 / LONG: -104.032006 (TVD: 4851 feet, MD: 4900 feet)

PPP: SWNW / 1983 FNL / 1 FWL / TWSP: 23S / RANGE: 29E / SECTION: 8 / LAT: 32.321499 / LONG: -104.015603 (TVD: 8456 feet, MD: 13500 feet)

BHL: SENW / 1980 FNL / 2600 FWL / TWSP: 23S / RANGE: 29E / SECTION: 8 / LAT: 32.321573 / LONG: -104.007186 (TVD: 8456 feet, MD: 15876 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	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 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	
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														

0		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.

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA OIL PRODUCERS LLC
WELL NAME & NO.:	OCHOA 8703 FED COM 8H
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

	BTA Oil Producers, LLC					WELL: Ochoa 8703 Fed Com #8H				
	104 S Pecos					TVD: 8681		KOP		7929
	Midland, TX 79701					MD: 15900				

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	2755	0	2755	No	36	J-55	LTC	1.4	2.5	5.7	4.6	Dry	10
8 3/4	5.5	0	15900	0	8681	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	0	Class C	0	1.76	12.8	0	100%	2% CaCl2
	Tail		0	375	Class C	390	1.35	14.8	527	100%	2% CaCl2
9 5/8	Lead		0	1964	Class C	515	2.46	12.8	1267	100%	0.5% CaCl2
	Tail		1964	2755	Class C	150	1.34	14.8	201	25%	1% CaCl2
5 1/2	Lead		1755	7929	Class C	630	3.96	10.3	2495	60%	0.4% Fluid Loss
	Tail		7929	15900	Class C	1475	1.71	13	2522	25%	0.2% LT Retarder

BTA Oil Producers, LLC

Eddy County, NM (NAD 83)

Ochoa

Ochoa #08H

Wellbore #1

Plan: Design #1

Standard Planning Report

08 April, 2025

Microsoft
Planning Report

Database:	EDM16	Local Co-ordinate Reference:	Well Ochoa #08H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3016.0usft
Project:	Eddy County, NM (NAD 83)	MD Reference:	GL @ 3016.0usft
Site:	Ochoa	North Reference:	Grid
Well:	Ochoa #08H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

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

Well	Ochoa #08H					
Well Position	+N/-S	0.0 usft	Northing:	481,239.26 usft	Latitude:	32° 19' 21.516 N
	+E/-W	0.0 usft	Easting:	633,890.97 usft	Longitude:	104° 2' 1.352 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,016.0 usft
Grid Convergence:		0.16 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.97	60.25	48,804.15833434

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	92.55

Plan Survey Tool Program	Date	4/8/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	8,502.5	Design #1 (Wellbore #1)	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,996.6	0.00	0.00	2,996.6	0.0	0.0	0.00	0.00	0.00	0.00	
3,496.6	10.00	110.87	3,494.1	-15.5	40.7	2.00	2.00	0.00	110.87	
6,551.5	10.00	110.87	6,502.5	-204.5	536.3	0.00	0.00	0.00	0.00	
7,051.5	0.00	0.00	7,000.0	-220.0	577.0	2.00	-2.00	0.00	180.00	

Microsoft Planning Report

Database:	EDM16	Local Co-ordinate Reference:	Well Ochoa #08H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3016.0usft
Project:	Eddy County, NM (NAD 83)	MD Reference:	GL @ 3016.0usft
Site:	Ochoa	North Reference:	Grid
Well:	Ochoa #08H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,996.6	0.00	0.00	2,996.6	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
3,000.0	0.07	110.87	3,000.0	0.0	0.0	0.0	2.00	2.00	0.00
3,100.0	2.07	110.87	3,100.0	-0.7	1.7	1.8	2.00	2.00	0.00
3,200.0	4.07	110.87	3,199.8	-2.6	6.7	6.9	2.00	2.00	0.00
3,300.0	6.07	110.87	3,299.4	-5.7	15.0	15.2	2.00	2.00	0.00
3,400.0	8.07	110.87	3,398.7	-10.1	26.5	26.9	2.00	2.00	0.00
3,496.6	10.00	110.87	3,494.1	-15.5	40.7	41.3	2.00	2.00	0.00
Start 3054.9 hold at 3496.6 MD									
3,500.0	10.00	110.87	3,497.4	-15.7	41.2	41.9	0.00	0.00	0.00
3,600.0	10.00	110.87	3,595.9	-21.9	57.4	58.4	0.00	0.00	0.00
3,700.0	10.00	110.87	3,694.4	-28.1	73.7	74.8	0.00	0.00	0.00
3,800.0	10.00	110.87	3,792.9	-34.3	89.9	91.3	0.00	0.00	0.00
3,900.0	10.00	110.87	3,891.3	-40.5	106.1	107.8	0.00	0.00	0.00
4,000.0	10.00	110.87	3,989.8	-46.6	122.3	124.3	0.00	0.00	0.00
4,100.0	10.00	110.87	4,088.3	-52.8	138.6	140.8	0.00	0.00	0.00
4,200.0	10.00	110.87	4,186.8	-59.0	154.8	157.3	0.00	0.00	0.00
4,300.0	10.00	110.87	4,285.3	-65.2	171.0	173.7	0.00	0.00	0.00
4,400.0	10.00	110.87	4,383.7	-71.4	187.2	190.2	0.00	0.00	0.00
4,500.0	10.00	110.87	4,482.2	-77.6	203.5	206.7	0.00	0.00	0.00
4,600.0	10.00	110.87	4,580.7	-83.8	219.7	223.2	0.00	0.00	0.00
4,700.0	10.00	110.87	4,679.2	-90.0	235.9	239.7	0.00	0.00	0.00
4,800.0	10.00	110.87	4,777.7	-96.1	252.1	256.2	0.00	0.00	0.00

Microsoft Planning Report

Database: EDM16
Company: BTA Oil Producers, LLC
Project: Eddy County, NM (NAD 83)
Site: Ochoa
Well: Ochoa #08H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Ochoa #08H
TVD Reference: GL @ 3016.0usft
MD Reference: GL @ 3016.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
4,900.0	10.00	110.87	4,876.1	-102.3	268.4	272.7	0.00	0.00	0.00
5,000.0	10.00	110.87	4,974.6	-108.5	284.6	289.1	0.00	0.00	0.00
5,100.0	10.00	110.87	5,073.1	-114.7	300.8	305.6	0.00	0.00	0.00
5,200.0	10.00	110.87	5,171.6	-120.9	317.0	322.1	0.00	0.00	0.00
5,300.0	10.00	110.87	5,270.1	-127.1	333.3	338.6	0.00	0.00	0.00
5,400.0	10.00	110.87	5,368.5	-133.3	349.5	355.1	0.00	0.00	0.00
5,500.0	10.00	110.87	5,467.0	-139.4	365.7	371.6	0.00	0.00	0.00
5,600.0	10.00	110.87	5,565.5	-145.6	382.0	388.0	0.00	0.00	0.00
5,700.0	10.00	110.87	5,664.0	-151.8	398.2	404.5	0.00	0.00	0.00
5,800.0	10.00	110.87	5,762.5	-158.0	414.4	421.0	0.00	0.00	0.00
5,900.0	10.00	110.87	5,861.0	-164.2	430.6	437.5	0.00	0.00	0.00
6,000.0	10.00	110.87	5,959.4	-170.4	446.9	454.0	0.00	0.00	0.00
6,100.0	10.00	110.87	6,057.9	-176.6	463.1	470.5	0.00	0.00	0.00
6,200.0	10.00	110.87	6,156.4	-182.8	479.3	486.9	0.00	0.00	0.00
6,300.0	10.00	110.87	6,254.9	-188.9	495.5	503.4	0.00	0.00	0.00
6,400.0	10.00	110.87	6,353.4	-195.1	511.8	519.9	0.00	0.00	0.00
6,500.0	10.00	110.87	6,451.8	-201.3	528.0	536.4	0.00	0.00	0.00
6,551.5	10.00	110.87	6,502.5	-204.5	536.3	544.9	0.00	0.00	0.00
Start Drop -2.00									
6,600.0	9.03	110.87	6,550.4	-207.4	543.8	552.5	2.00	-2.00	0.00
6,700.0	7.03	110.87	6,649.4	-212.3	556.9	565.8	2.00	-2.00	0.00
6,800.0	5.03	110.87	6,748.8	-216.1	566.7	575.7	2.00	-2.00	0.00
6,900.0	3.03	110.87	6,848.6	-218.6	573.3	582.4	2.00	-2.00	0.00
7,000.0	1.03	110.87	6,948.5	-219.8	576.6	585.8	2.00	-2.00	0.00
7,051.5	0.00	0.00	7,000.0	-220.0	577.0	586.2	2.00	-2.00	0.00
Start 878.0 hold at 7051.5 MD									
7,100.0	0.00	0.00	7,048.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,148.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,300.0	0.00	0.00	7,248.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,348.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,448.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,548.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,648.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,748.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,848.5	-220.0	577.0	586.2	0.00	0.00	0.00
7,929.5	0.00	0.00	7,878.0	-220.0	577.0	586.2	0.00	0.00	0.00
Start Build 10.00									
8,000.0	7.05	91.09	7,948.3	-220.1	581.3	590.5	10.00	10.00	0.00
8,100.0	17.05	91.09	8,046.0	-220.5	602.2	611.4	10.00	10.00	0.00
8,200.0	27.05	91.09	8,138.6	-221.2	639.7	648.8	10.00	10.00	0.00
8,300.0	37.05	91.09	8,223.2	-222.2	692.6	701.8	10.00	10.00	0.00
8,400.0	47.05	91.09	8,297.4	-223.5	759.5	768.7	10.00	10.00	0.00
8,500.0	57.05	91.09	8,358.8	-225.0	838.3	847.4	10.00	10.00	0.00
8,600.0	67.05	91.09	8,405.6	-226.6	926.5	935.6	10.00	10.00	0.00
8,700.0	77.05	91.09	8,436.4	-228.4	1,021.5	1,030.6	10.00	10.00	0.00
8,800.0	87.05	91.09	8,450.2	-230.3	1,120.4	1,129.5	10.00	10.00	0.00
8,829.5	90.00	91.09	8,451.0	-230.9	1,149.9	1,159.0	10.00	10.00	0.00
Start 7064.3 hold at 8829.5 MD									
8,900.0	90.00	91.09	8,451.0	-232.2	1,220.3	1,229.4	0.00	0.00	0.00
9,000.0	90.00	91.09	8,451.0	-234.1	1,320.3	1,329.4	0.00	0.00	0.00
9,100.0	90.00	91.09	8,451.0	-236.0	1,420.3	1,429.4	0.00	0.00	0.00
9,200.0	90.00	91.09	8,451.0	-237.9	1,520.3	1,529.3	0.00	0.00	0.00
9,300.0	90.00	91.09	8,451.0	-239.8	1,620.2	1,629.3	0.00	0.00	0.00

Microsoft Planning Report

Database:	EDM16	Local Co-ordinate Reference:	Well Ochoa #08H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3016.0usft
Project:	Eddy County, NM (NAD 83)	MD Reference:	GL @ 3016.0usft
Site:	Ochoa	North Reference:	Grid
Well:	Ochoa #08H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)
9,400.0	90.00	91.09	8,451.0	-241.7	1,720.2	1,729.3	0.00	0.00	0.00
9,500.0	90.00	91.09	8,451.0	-243.6	1,820.2	1,829.2	0.00	0.00	0.00
9,600.0	90.00	91.09	8,451.0	-245.5	1,920.2	1,929.2	0.00	0.00	0.00
9,700.0	90.00	91.09	8,451.0	-247.4	2,020.2	2,029.2	0.00	0.00	0.00
9,800.0	90.00	91.09	8,451.0	-249.3	2,120.2	2,129.1	0.00	0.00	0.00
9,900.0	90.00	91.09	8,451.0	-251.2	2,220.1	2,229.1	0.00	0.00	0.00
10,000.0	90.00	91.09	8,451.0	-253.1	2,320.1	2,329.1	0.00	0.00	0.00
10,100.0	90.00	91.09	8,451.0	-255.0	2,420.1	2,429.0	0.00	0.00	0.00
10,200.0	90.00	91.09	8,451.0	-256.9	2,520.1	2,529.0	0.00	0.00	0.00
10,300.0	90.00	91.09	8,451.0	-258.8	2,620.1	2,629.0	0.00	0.00	0.00
10,400.0	90.00	91.09	8,451.0	-260.7	2,720.0	2,728.9	0.00	0.00	0.00
10,500.0	90.00	91.09	8,451.0	-262.6	2,820.0	2,828.9	0.00	0.00	0.00
10,600.0	90.00	91.09	8,451.0	-264.5	2,920.0	2,928.9	0.00	0.00	0.00
10,700.0	90.00	91.09	8,451.0	-266.4	3,020.0	3,028.8	0.00	0.00	0.00
10,800.0	90.00	91.09	8,451.0	-268.3	3,120.0	3,128.8	0.00	0.00	0.00
10,900.0	90.00	91.09	8,451.0	-270.2	3,220.0	3,228.8	0.00	0.00	0.00
11,000.0	90.00	91.09	8,451.0	-272.1	3,319.9	3,328.8	0.00	0.00	0.00
11,100.0	90.00	91.09	8,451.0	-274.0	3,419.9	3,428.7	0.00	0.00	0.00
11,200.0	90.00	91.09	8,451.0	-275.9	3,519.9	3,528.7	0.00	0.00	0.00
11,300.0	90.00	91.09	8,451.0	-277.8	3,619.9	3,628.7	0.00	0.00	0.00
11,400.0	90.00	91.09	8,451.0	-279.7	3,719.9	3,728.6	0.00	0.00	0.00
11,500.0	90.00	91.09	8,451.0	-281.6	3,819.9	3,828.6	0.00	0.00	0.00
11,600.0	90.00	91.09	8,451.0	-283.5	3,919.8	3,928.6	0.00	0.00	0.00
11,700.0	90.00	91.09	8,451.0	-285.4	4,019.8	4,028.5	0.00	0.00	0.00
11,800.0	90.00	91.09	8,451.0	-287.3	4,119.8	4,128.5	0.00	0.00	0.00
11,900.0	90.00	91.09	8,451.0	-289.2	4,219.8	4,228.5	0.00	0.00	0.00
12,000.0	90.00	91.09	8,451.0	-291.1	4,319.8	4,328.4	0.00	0.00	0.00
12,100.0	90.00	91.09	8,451.0	-293.0	4,419.7	4,428.4	0.00	0.00	0.00
12,200.0	90.00	91.09	8,451.0	-294.9	4,519.7	4,528.4	0.00	0.00	0.00
12,300.0	90.00	91.09	8,451.0	-296.8	4,619.7	4,628.3	0.00	0.00	0.00
12,400.0	90.00	91.09	8,451.0	-298.7	4,719.7	4,728.3	0.00	0.00	0.00
12,500.0	90.00	91.09	8,451.0	-300.6	4,819.7	4,828.3	0.00	0.00	0.00
12,600.0	90.00	91.09	8,451.0	-302.5	4,919.7	4,928.2	0.00	0.00	0.00
12,700.0	90.00	91.09	8,451.0	-304.4	5,019.6	5,028.2	0.00	0.00	0.00
12,800.0	90.00	91.09	8,451.0	-306.3	5,119.6	5,128.2	0.00	0.00	0.00
12,900.0	90.00	91.09	8,451.0	-308.2	5,219.6	5,228.1	0.00	0.00	0.00
13,000.0	90.00	91.09	8,451.0	-310.1	5,319.6	5,328.1	0.00	0.00	0.00
13,100.0	90.00	91.09	8,451.0	-312.0	5,419.6	5,428.1	0.00	0.00	0.00
13,200.0	90.00	91.09	8,451.0	-313.9	5,519.5	5,528.0	0.00	0.00	0.00
13,300.0	90.00	91.09	8,451.0	-315.8	5,619.5	5,628.0	0.00	0.00	0.00
13,400.0	90.00	91.09	8,451.0	-317.7	5,719.5	5,728.0	0.00	0.00	0.00
13,500.0	90.00	91.09	8,451.0	-319.6	5,819.5	5,827.9	0.00	0.00	0.00
13,600.0	90.00	91.09	8,451.0	-321.5	5,919.5	5,927.9	0.00	0.00	0.00
13,700.0	90.00	91.09	8,451.0	-323.4	6,019.5	6,027.9	0.00	0.00	0.00
13,800.0	90.00	91.09	8,451.0	-325.3	6,119.4	6,127.8	0.00	0.00	0.00
13,900.0	90.00	91.09	8,451.0	-327.2	6,219.4	6,227.8	0.00	0.00	0.00
14,000.0	90.00	91.09	8,451.0	-329.1	6,319.4	6,327.8	0.00	0.00	0.00
14,100.0	90.00	91.09	8,451.0	-331.1	6,419.4	6,427.7	0.00	0.00	0.00
14,200.0	90.00	91.09	8,451.0	-333.0	6,519.4	6,527.7	0.00	0.00	0.00
14,300.0	90.00	91.09	8,451.0	-334.9	6,619.3	6,627.7	0.00	0.00	0.00
14,400.0	90.00	91.09	8,451.0	-336.8	6,719.3	6,727.7	0.00	0.00	0.00
14,500.0	90.00	91.09	8,451.0	-338.7	6,819.3	6,827.6	0.00	0.00	0.00
14,600.0	90.00	91.09	8,451.0	-340.6	6,919.3	6,927.6	0.00	0.00	0.00
14,700.0	90.00	91.09	8,451.0	-342.5	7,019.3	7,027.6	0.00	0.00	0.00

Microsoft
Planning Report

Database:	EDM16	Local Co-ordinate Reference:	Well Ochoa #08H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3016.0usft
Project:	Eddy County, NM (NAD 83)	MD Reference:	GL @ 3016.0usft
Site:	Ochoa	North Reference:	Grid
Well:	Ochoa #08H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,800.0	90.00	91.09	8,451.0	-344.4	7,119.3	7,127.5	0.00	0.00	0.00	
14,900.0	90.00	91.09	8,451.0	-346.3	7,219.2	7,227.5	0.00	0.00	0.00	
15,000.0	90.00	91.09	8,451.0	-348.2	7,319.2	7,327.5	0.00	0.00	0.00	
15,100.0	90.00	91.09	8,451.0	-350.1	7,419.2	7,427.4	0.00	0.00	0.00	
15,200.0	90.00	91.09	8,451.0	-352.0	7,519.2	7,527.4	0.00	0.00	0.00	
15,300.0	90.00	91.09	8,451.0	-353.9	7,619.2	7,627.4	0.00	0.00	0.00	
15,400.0	90.00	91.09	8,451.0	-355.8	7,719.1	7,727.3	0.00	0.00	0.00	
15,500.0	90.00	91.09	8,451.0	-357.7	7,819.1	7,827.3	0.00	0.00	0.00	
15,600.0	90.00	91.09	8,451.0	-359.6	7,919.1	7,927.3	0.00	0.00	0.00	
15,700.0	90.00	91.09	8,451.0	-361.5	8,019.1	8,027.2	0.00	0.00	0.00	
15,800.0	90.00	91.09	8,451.0	-363.4	8,119.1	8,127.2	0.00	0.00	0.00	
15,893.8	90.00	91.09	8,451.0	-365.1	8,212.8	8,221.0	0.00	0.00	0.00	
TD at 15893.8										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
Ochoa #08H BHL	0.00	0.01	8,451.0	-365.1	8,212.8	480,874.15	642,103.15	32° 19' 17.666 N		104° 0' 25.659 W
- plan hits target center										
- Point										

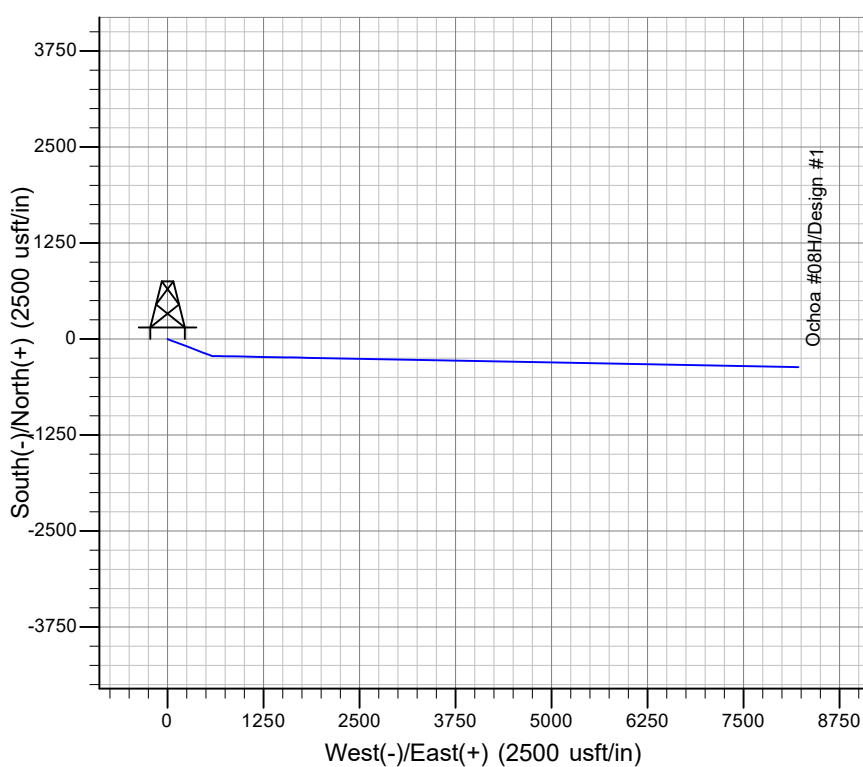
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,996.6	2,996.6	0.0	0.0	Start Build 2.00	
3,496.6	3,494.1	-15.5	40.7	Start 3054.9 hold at 3496.6 MD	
6,551.5	6,502.5	-204.5	536.3	Start Drop -2.00	
7,051.5	7,000.0	-220.0	577.0	Start 878.0 hold at 7051.5 MD	
7,929.5	7,878.0	-220.0	577.0	Start Build 10.00	
8,829.5	8,451.0	-230.9	1,149.9	Start 7064.3 hold at 8829.5 MD	
15,893.8	8,451.0	-365.1	8,212.8	TD at 15893.8	

3016.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	481239.26	633890.93	32° 19' 21.516 N	104° 2' 1.352 W	

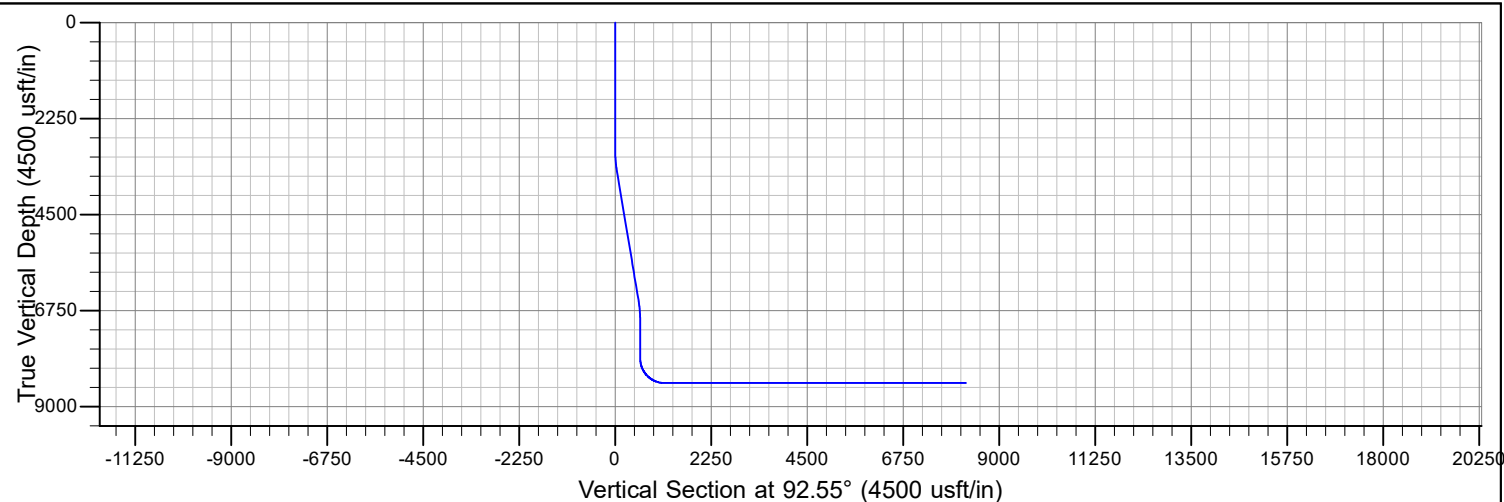
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
2996.6	0.00	0.00	2996.6	0.0	0.0	0.0	0.0	Start Build 2.00
3496.6	10.00	110.87	3494.1	-15.5	40.7	41.3	43.5	Start 3054.9 hold at 3496.6 MD
6551.5	10.00	110.87	6502.5	-204.5	536.3	544.9	574.0	Start Drop -2.00
7051.5	0.00	0.00	7000.0	-220.0	577.0	586.2	617.5	Start 878.0 hold at 7051.5 MD
7929.5	0.00	0.00	7878.0	-220.0	577.0	586.2	617.5	Start Build 10.00
8829.5	90.00	91.09	8451.0	-230.9	1149.9	1159.0	1190.5	Start 7064.3 hold at 8829.5 MD
15893.8	90.00	91.09	8451.0	-365.1	8212.8	8221.0	8254.7	TD at 15893.8



Azimuths to Grid North
 True North: -0.16°
 Magnetic North: 7.81°

Magnetic Field
 Strength: 48804.2nT
 Dip Angle: 60.25°
 Date: 12/31/2009
 Model: IGRF200510



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 30-015-49557	Pool Code 15011	Pool Name CULEBRA BLUFF; BONE SPRING, SOUTH
Property Code	Property Name OCHOA 8703 FEDERAL COM	Well Number 8H
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 1760' FNL	Ft. from E/W 527' FEL	Latitude 32.32264333	Longitude -104.03370888	County EDDY
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Bottom Hole Location

UL F	Section 8	Township 23S	Range 29E	Lot	Ft. from N/S 1980' FNL	Ft. from E/W 2618' FWL	Latitude 32.32157379	Longitude -104.00712744	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 E	Section 7	Township 23S	Range 29E	Lot L 2	Ft. from N/S 1980' FNL	Ft. from E/W 50' FWL	Latitude 32.32204975	Longitude -104.03184536	County EDDY
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First Take Point (FTP)

UL E	Section 7	Township 23S	Range 29E	Lot L 2	Ft. from N/S 1980' FNL	Ft. from E/W 100' FWL	Latitude 32.32204428	Longitude -104.03168353	County EDDY
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Last Take Point (LTP)

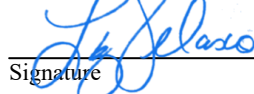
UL F	Section 8	Township 23S	Range 29E	Lot	Ft. from N/S 1980' FNL	Ft. from E/W 2568' FWL	Latitude 32.32157252	Longitude -104.00728931	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation 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 4/8/2025
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

Date of Survey

21653

AUGUST 19, 2024

ACREAGE DEDICATION PLATS

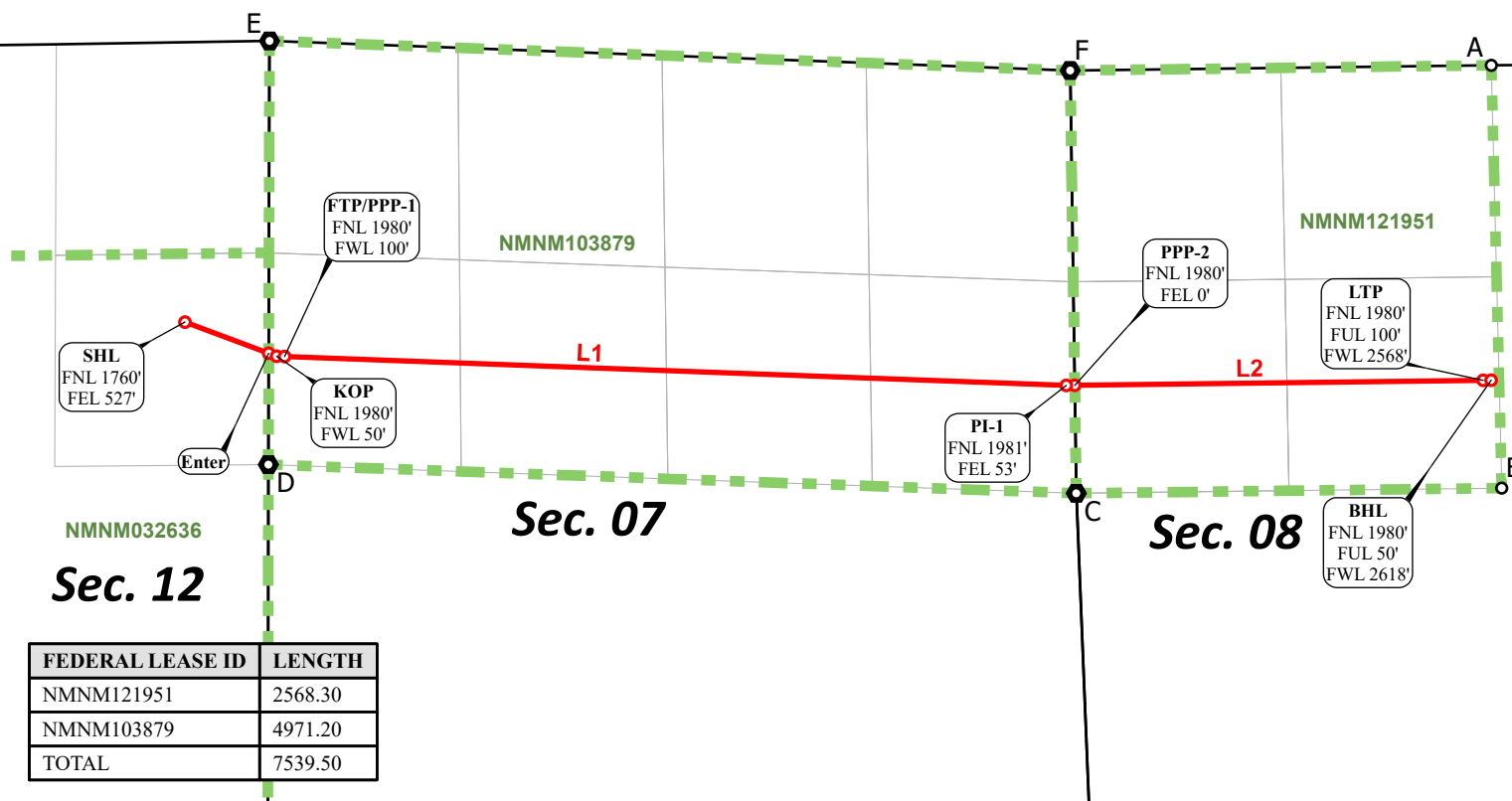
OCHOA 8703 FEDERAL COM

8H



SHL FNL 1760' FEL 527', SECTION 12 NAD 83, SPCS NM EAST X:633890.97' / Y:481239.26' LAT:32.32264333 / LON:-104.03370888 NAD 27, SPCS NM EAST X:592708.24' / Y:481179.63' LAT:32.32252206 / LON:-104.03321469	KOP FNL 1980' FWL 50', SECTION 07 NAD 83, SPCS NM EAST X:634467.22' / Y:481024.94' LAT:32.32204975 / LON:-104.03184536 NAD 27, SPCS NM EAST X:593284.47' / Y:480965.31' LAT:32.32192845 / LON:-104.03135127	FTP/PPP-1 FNL 1980' FWL 100', SECTION 07 NAD 83, SPCS NM EAST X:634517.21' / Y:481023.09' LAT:32.32204428 / LON:-104.03168353 NAD 27, SPCS NM EAST X:593334.47' / Y:480963.46' LAT:32.32192298 / LON:-104.03118944
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PI-1 FNL 1981' FEL 53', SECTION 07 NAD 83, SPCS NM EAST X:639431.98' / Y:480841.35' LAT:32.32150568 / LON:-104.01577495 NAD 27, SPCS NM EAST X:598249.16' / Y:480781.66' LAT:32.32138415 / LON:-104.01528148	PPP-2 FNL 1980' FEL 0', SECTION 07,08 NAD 83, SPCS NM EAST X:639485.05' / Y:480842.00' LAT:32.32150704 / LON:-104.01560315 NAD 27, SPCS NM EAST X:598302.23' / Y:480782.31' LAT:32.32138551 / LON:-104.01510967	LTP FNL 1980' FUL 100' FWL 2568', SECTION 08 NAD 83, SPCS NM EAST X:642053.15' / Y:480873.54' LAT:32.32157252 / LON:-104.00728931 NAD 27, SPCS NM EAST X:600870.30' / Y:480813.82' LAT:32.32145087 / LON:-104.00679615	BHL FNL 1980' FUL 50' FWL 2618', SECTION 08 NAD 83, SPCS NM EAST X:642103.15' / Y:480874.15' LAT:32.32157379 / LON:-104.00712744 NAD 27, SPCS NM EAST X:600920.29' / Y:480814.43' LAT:32.32145214 / LON:-104.00663428
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FEDERAL LEASE ID	LENGTH
NMNM121951	2568.30
NMNM103879	4971.20
TOTAL	7539.50

*FTP TO LTP LEASE DISTANCES

PRODUCTION LINE	BEARING/LENGTH
L1	S 87°52'56" E ~ 4918.13'
L2	N 89°17'47" E ~ 2621.37'

CORNER COORDINATES NAD 83, SPCS NM EAST	CORNER COORDINATES NAD 27, SPCS NM EAST
A - X: 642104.42' / Y: 482854.32'	A - X: 600921.62' / Y: 482794.55'
B - X: 642169.87' / Y: 480195.46'	B - X: 600987.00' / Y: 480135.75'
C - X: 639494.87' / Y: 480162.85'	C - X: 598312.03' / Y: 480103.18'
D - X: 634415.36' / Y: 480343.15'	D - X: 593232.60' / Y: 480283.54'
E - X: 634422.60' / Y: 483007.94'	E - X: 593239.91' / Y: 482948.26'
F - X: 639456.42' / Y: 482821.80'	F - X: 598273.66' / Y: 482762.07'

○ Drill Line Events
● Section Corners
— Drill Line
— Dimension Lines
— Federal Leases
— Project Area

All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.

JOB No. R4133_001
REV 3 REM 8/18/2024

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99977431 and a Convergence Angle: 0.14739167°

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 514173

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 514173
	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