

Well Name: BLUE CHIP 14 FEDERAL COM	Well Location: T21S / R32E / SEC 11 / SESE / 32.4887737 / -103.6376871	County or Parish/State: LEA / NM
Well Number: 511H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14155	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002554894	Operator: MATADOR PRODUCTION COMPANY	

Notice of Intent

Sundry ID: 2899403

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 03/09/2026	Time Sundry Submitted: 02:31
Date proposed operation will begin: 03/09/2026	

Procedure Description: BLM Bond #NMB001079 Surety Bond # RLB0015172 Matador requests the option to amend the well design of the Blue Chip 14 Fed Com #511H and make the following changes to the current APD: Option A: As permitted 5-string design. No changes from original permit. Option B: 4-string design per figure D in R-111-Q. Will drop intermediate-2 string, if hole conditions allow. - If significant losses are observed while drilling the 12.25" intermediate section, proceed with Option C. Option C: 4-string design per figure E in R-111-Q . Will drop intermediate 3 string, if hole conditions allow. - Option to drill production hole size of 7-7/8". - Option to drill production hole size of 6-3/4". - Option to run 7" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards. - Option to run 6" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards. - Option to run 6" casing all the way to TD and obey clearance standards. - If hole conditions don't allow drilling the production vertical section, revert to Design A. Option D: 4-string design per figure D in R-111-Q. will drop intermediate-2 string, if hole conditions allow. Casing set depths will be modified as shown on each casing and cementing table. Cement volumes will be adjusted accordingly.

NOI Attachments

Procedure Description

- Blue_Chip_R_111_Q_WBS_20260309142813.pdf
- Blue_Chip_14_Fed_Com_511H_Drill_Plan_A_with_Sundry_Info_20260309092950.pdf
- Blue_Chip_14_Fed_Com_511H_Option_D___Casing_Table_Spec_20260309092950.pdf
- Blue_Chip_14_Fed_Com_511H_Option_B___Casing_Table_Spec_20260309092950.pdf
- Blue_Chip_14_Fed_Com_511H_Drill_Plan_D_with_Sundry_Info_20260309092950.pdf

Well Name: BLUE CHIP 14 FEDERAL COM	Well Location: T21S / R32E / SEC 11 / SESE / 32.4887737 / -103.6376871	County or Parish/State: LEA / NM
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US Well Number: 3002554894	Operator: MATADOR PRODUCTION COMPANY	

Blue_Chip_14_Fed_Com_511H_Drill_Plan_C_with_Sundry_Info_20260309092950.pdf

Blue_Chip_14_Fed_Com_511H_Drill_Plan_B_with_Sundry_Info_20260309092950.pdf

Blue_Chip_14_Fed_Com_511H_Option_C___Casing_Table_Spec_20260309092950.pdf

Blue_Chip_14_Fed_Com_511H_Option_A___Casing_Table_Spec_20260309092950.pdf

Blue_Chip_511H_Casing_Sundry_Options_20260309092917.pdf

Conditions of Approval

Additional

BLUE_CHIP_14_FEDERAL_COM_511H_Sundry_2899403_COA_20260316123458.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: NICKY FITZGERALD

Signed on: MAR 09, 2026 02:29 PM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory Consultant

Street Address: 5400 LBJ FREEWAY STE 1500

City: DALLAS **State:** TX

Phone: (972) 371-5448

Email address: nicky.fitzgerald@matadorresources.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: 03/24/2026

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.

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

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.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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.

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

- Option to drill production hole size of 6-3/4.
 - Option to run 7" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards.
 - Option to run 6" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards.
 - Option to run 6" casing all the way to TD and obey clearance standards.
 - If hole conditions dont allow drilling the production vertical section, revert to Design A.
- Option D: 4-string design per figure D in R-111-Q. will drop intermediate-2 string, if hole conditions allow.
- Casing set depths will be modified as shown on each casing and cementing table. Cement volumes will be adjusted accordingly.

Location of Well

0. SHL: SESE / 955 FSL / 239 FEL / TWSP: 21S / RANGE: 32E / SECTION: 11 / LAT: 32.4887737 / LONG: -103.6376871 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 987 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4858699 / LONG: -103.6401114 (TVD: 10062 feet, MD: 10171 feet)

PPP: SESE / 0 FSL / 987 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4716358 / LONG: -103.6401228 (TVD: 10400 feet, MD: 15488 feet)

PPP: SENE / 2638 FSL / 987 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4788866 / LONG: -103.640117 (TVD: 10400 feet, MD: 12850 feet)

PPP: NESE / 1319 FSL / 987 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4752612 / LONG: -103.6401199 (TVD: 10400 feet, MD: 14169 feet)

PPP: NESE / 2643 FNL / 989 FEL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.464372 / LONG: -103.6401286 (TVD: 10400 feet, MD: 18130 feet)

BHL: SESE / 110 FSL / 1261 FEL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.4574075 / LONG: -103.6410156 (TVD: 12860 feet, MD: 23115 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
WELL NAME & NO.:	BLUE CHIP 14 FEDERAL COM 511H
APD ID:	10400087326
LOCATION:	Section 11, T21S, R32E. NMP.
COUNTY:	Lea County, New Mexico ▼

COA

H ₂ S	☐ No ☒ Yes			
Potash / WIPP	☐ None	☐ Secretary	☒ R-111-Q	☒ Open Annulus 4-String Design: Open 2nd Int x Production Casing (ICP 2 above Relief Zone) ☐ WIPP
Cave / Karst	☒ Low	☐ Medium	☐ High	☐ Critical
Wellhead	☐ Conventional	☐ Multibowl	☒ Both	☐ Diverter
Cementing	☒ Primary Squeeze	☐ Cont. Squeeze	☐ EchoMeter	☒ DV Tool
Special Req	☒ Capitan Reef	☐ Water Disposal	☒ COM	☐ Unit
Waste Prev.	☐ Self-Certification	☐ Waste Min. Plan	☒ APD Submitted prior to 06/10/2024	
Additional Language	☒ Flex Hose	☐ Casing Clearance	☐ Pilot Hole	☒ Break Testing
	☒ Four-String	☒ Offline Cementing	☒ Fluid-Filled	

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

APD is within the R-111-Q defined boundary. Operator must follow all applicable procedures and requirements listed within the Order No. R-111-Q.

A. CASING PROGRAM

Plan A (5-String Design: Open 2nd Int x 3rd Int Casing (ICP 2 above Relief Zone))

1. The **20-inch** surface casing shall be set at approximately **1,700 ft.** (a minimum of 70 feet into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - 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 psi 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.

Note: The surface casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

2. The 13-3/8 inch 1st intermediate casing shall be set in a competent bed at approximately 3,388 ft. The minimum required fill of cement behind the 13-3/8 inch intermediate casing is:

Option 1 (Single Stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash**.

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement 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 **Capitan Reef, and Potash**. Excess cement for the 2nd stage is below %25. More cement might be needed.

Note: The 1st Intermediate casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

3. The 9-5/8 inch 2nd intermediate casing shall be set in a competent bed at approximately 5,113 ft. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

Option 1 (Single Stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash**.

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement 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 **Capitan Reef, and Potash**. Excess cement for the 2nd stage is below %25. More cement might be needed.

Note: The 2nd Intermediate casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

- ❖ **Special Capitan Reef Requirement:** Ensure freshwater based mud is used across the Capitan interval.
4. The 7-5/8 inch 3rd intermediate casing shall be set in a competent bed at approximately **12,234 ft.** (12,137 ft. TVD). The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
 - Operator has proposed cementing the 3rd intermediate casing in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage within 180 days after well completion in accordance with the R-111-Q guidelines.
 - a. First stage: Operator will cement 3rd intermediate casing with intent to bring cement to top of Brushy Canyon formation.
 - b. Second stage: Operator will perform bradenhead squeeze within 180 days after completion per R-111-Q requirements. Cement shall be tie-back **at least 500 ft. into the 2nd intermediate casing shoe and below the Marker Bed 126**. If cement does not circulate, the appropriate BLM office shall be notified.
 - ❖ Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
 - ❖ Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office. If cement does not tie-back at least 500 ft. into the previous casing shoe, the appropriate BLM office shall be notified.
 - ❖ A monitored open annulus will be incorporated during completion by leaving the 3rd Intermediate Casing x 2nd Intermediate Casing annulus un-cemented and monitored. Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days**.
 - ❖ **In the event of a casing failure during completion**, the operator must contact the BLM engineer at (575-706-2779) and inspection staff (575-393-3612 Lea County).
 5. Operator has proposed to set 5-1/2 inch production casing at approximately **23,116 ft.** (12,860 ft. TVD). 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. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.

Plan B (4-String Design: Open 1st Int x 2nd Annulus (ICP 2 below Relief Zone))

1. The **20-inch** surface casing shall be set at approximately **1,700 ft.** (a minimum of 70 feet into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - 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 psi 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.

Note: The surface casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

2. The **13-3/8 inch 1st** intermediate casing shall be set in a competent bed at approximately **3,388 ft.** The minimum required fill of cement behind the **13-3/8 inch** intermediate casing is:

Option 1 (Single Stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash.**

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement 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 **Capitan Reef, and Potash.** Excess cement for the 2nd stage is below %25. More cement might be needed.

Note: The 1st Intermediate casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

- ❖ **Special Capitan Reef Requirement:** Ensure freshwater based mud is used across the Capitan interval.

3. The **7-5/8 inch 2nd** intermediate casing shall be set in a competent bed at approximately **12,234 ft.** (12,137 ft. TVD). The minimum required fill of cement behind the **7-5/8 inch** intermediate casing is:
 - Operator has proposed cementing the 2nd intermediate casing in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage within 180 days after well completion in accordance with the R-111-Q guidelines.
 - a. First stage: Operator will cement 2nd intermediate casing with intent to bring cement to top of Capitan reef formation.
 - b. Second stage: Operator will perform bradenhead squeeze within 180 days after completion per R-111-Q requirements. Cement shall be tie-back **at least 500 ft. into the 1st intermediate casing shoe and below the Marker Bed 126.** If cement does not circulate, the appropriate BLM office shall be notified.
 - ❖ Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
 - ❖ **Operator must verify top of cement per R-111-Q requirements.** Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office. If cement does not tie-back at least 500 ft. into the previous casing shoe, the appropriate BLM office shall be notified.
 - ❖ A monitored open annulus will be incorporated during completion by leaving the 2nd Intermediate Casing x 1st Intermediate Casing annulus un-cemented and monitored. Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days.**
 - ❖ **In the event of a casing failure during completion,** the operator must contact the BLM engineer at (575-706-2779) and inspection staff (575-393-3612 Lea County).
4. Operator has proposed to set **5-1/2 inch** production casing at approximately **23,116 ft.** (12,860 ft. TVD). 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. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1.**

Note: Excess cement is below 25%. More cement might be needed.

Plan C (4-String Design: Open 2nd Int x Production Casing (ICP 2 above Relief Zone))

1. The **20-inch** surface casing shall be set at approximately **1,700 ft.** (a minimum of 70 feet into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - 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 psi 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.

Note: The surface casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

2. The **13-3/8 inch 1st** intermediate casing shall be set in a competent bed at approximately **3,388 ft.** The minimum required fill of cement behind the **13-3/8 inch** intermediate casing is:

Option 1 (Single Stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash.**

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement 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 **Capitan Reef, and Potash.** Excess cement for the 2nd stage is below %25. More cement might be needed.

Note: The 1st Intermediate casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

❖ **Special Capitan Reef Requirement:** Ensure freshwater based mud is used across the Capitan interval.

3. The **9-5/8 inch 2nd** intermediate casing shall be set in a competent bed at approximately **5,144 ft.** (5,113 ft. TVD). The minimum required fill of cement behind the **9-5/8 inch** intermediate casing is:

Option 1 (Single Stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash.**

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement 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 **Capitan Reef, and Potash**. Excess cement for the 2nd stage is below %25. More cement might be needed.

Note: The 2nd Intermediate casing must be kept fluid-filled to meet the BLM's minimum safety factor requirement against collapse.

4. Operator has proposed to set **5-1/2** inch production casing at approximately **23,116 ft.** (12,860 ft. TVD). The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Operator has proposed cementing the production casing in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage within 180 days after well completion in accordance with the R-111-Q guidelines.
 - a. First stage: Operator will cement production casing with intent to bring cement to top of Brushy Canyon formation.
 - b. Second stage: Operator will perform bradenhead squeeze within 180 days after completion per R-111-Q requirements. Cement shall be tie-back **at least 500 ft. into the 2nd intermediate casing shoe and below the Marker Bed 126**. If cement does not circulate, the appropriate BLM office shall be notified.
 - ❖ Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
 - ❖ **Operator must verify top of cement per R-111-Q requirements.** Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office. If cement does not tie-back at least 500 ft. into the previous casing shoe, the appropriate BLM office shall be notified.
 - ❖ A monitored open annulus will be incorporated during completion by leaving the production casing x 2nd intermediate casing annulus un-cemented and monitored. Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days**.
 - ❖ **In the event of a casing failure during completion**, the operator must contact the BLM engineer at (575-706-2779) and inspection staff (575-393-3612 Lea County).

Plan D (4-String Design: Open 1st Int x 2nd Annulus (ICP 2 below Relief Zone))

1. The **13-3/8 inch** surface casing shall be set at approximately **1,700 ft.** (a minimum of 70 feet into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - 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 psi 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 **10-3/4 inch 1st** intermediate casing shall be set in a competent bed at approximately **3,388 ft.** The minimum required fill of cement behind the **10-3/4 inch** intermediate casing is:

Option 1 (Single Stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash.**

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement 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 **Capitan Reef, and Potash.**

❖ **Special Capitan Reef Requirement:** Ensure freshwater based mud is used across the Capitan interval.

3. The **7-5/8 inch 2nd** intermediate casing shall be set in a competent bed at approximately **12,234 ft.** (12,137 ft. TVD). The minimum required fill of cement behind the **7-5/8 inch** intermediate casing is:
 - Operator has proposed cementing the 2nd intermediate casing in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage within 180 days after well completion in accordance with the R-111-Q guidelines.
 - a. First stage: Operator will cement 2nd intermediate casing with intent to bring cement to top of Capitan reef formation.

- b. Second stage: Operator will perform bradenhead squeeze within 180 days after completion per R-111-Q requirements. Cement shall be tie-back **at least 500 ft. into the 1st intermediate casing shoe and below the Marker Bed 126**. If cement does not circulate, the appropriate BLM office shall be notified.
 - ❖ Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
 - ❖ Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office. If cement does not tie-back at least 500 ft. into the previous casing shoe, the appropriate BLM office shall be notified.
 - ❖ A monitored open annulus will be incorporated during completion by leaving the 2nd Intermediate Casing x 1st Intermediate Casing annulus un-cemented and monitored. Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days**.
 - ❖ **In the event of a casing failure during completion**, the operator must contact the BLM engineer at (575-706-2779) and inspection staff (575-393-3612 Lea County).
4. Operator has proposed to set **5-1/2** inch production casing at approximately **23,116 ft.** (12,860 ft. TVD). 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. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**. Excess cement is below 25%. More cement might be needed.

Offline Cementing

Operator has been **(Approved)** to pump the proposed cement program offline in the **Surface and intermediate(s) intervals**. Offline cementing should commence within 24 hours of landing the casing for the interval. Notify the BLM 4hrs prior to the commencement of any offline cementing procedure at **Lea County: 575-689-5981**.

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)

Contact Lea County Petroleum Engineering Inspection Staff:

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 doghouse 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 & CEMENTING

1. The current acceptable methods of cement verification are as follows:
 - i. Observing cement circulated to surface,
 - ii. Cement Bond Log (CBL),
 - iii. Temperature log within 8-10 hours after completing the cement job,
 - iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)
2. 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.
3. 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.

4. 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.
5. 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.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. 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.
8. 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.
9. 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.

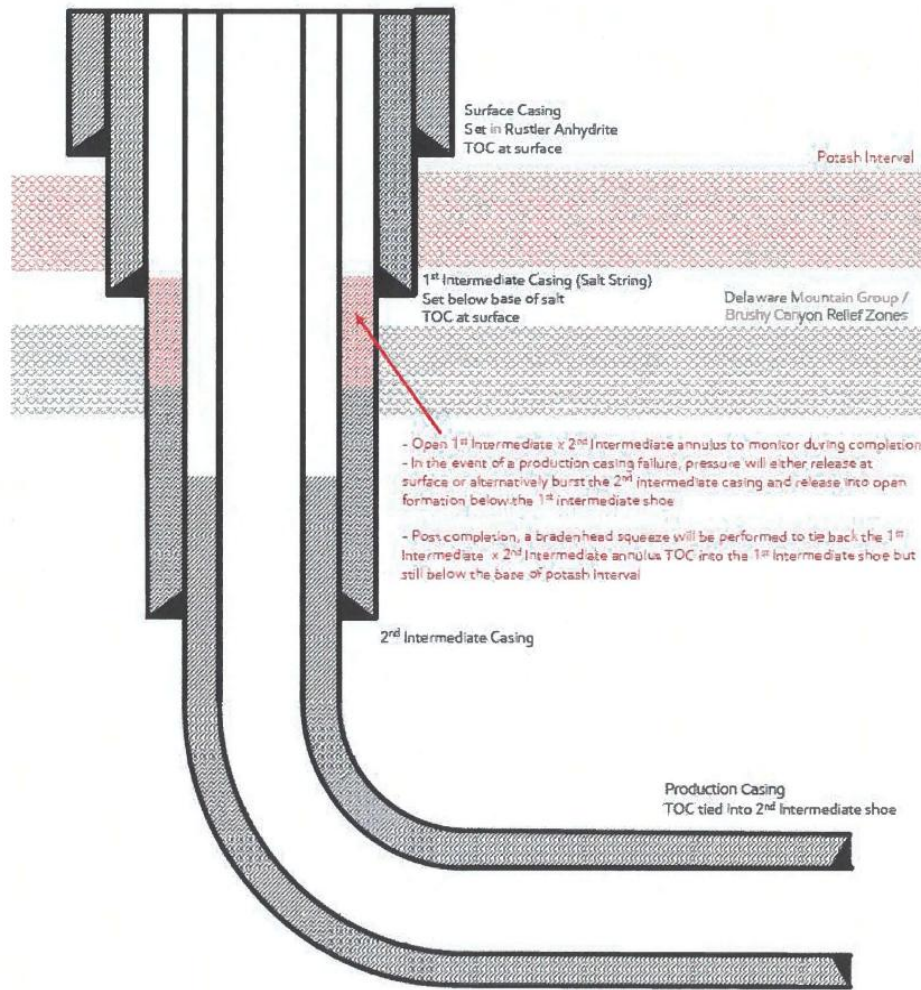
D. WASTE MATERIAL AND FLUIDS

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.

SA 03/16/2026

R-111-Q Wellbore Schematics

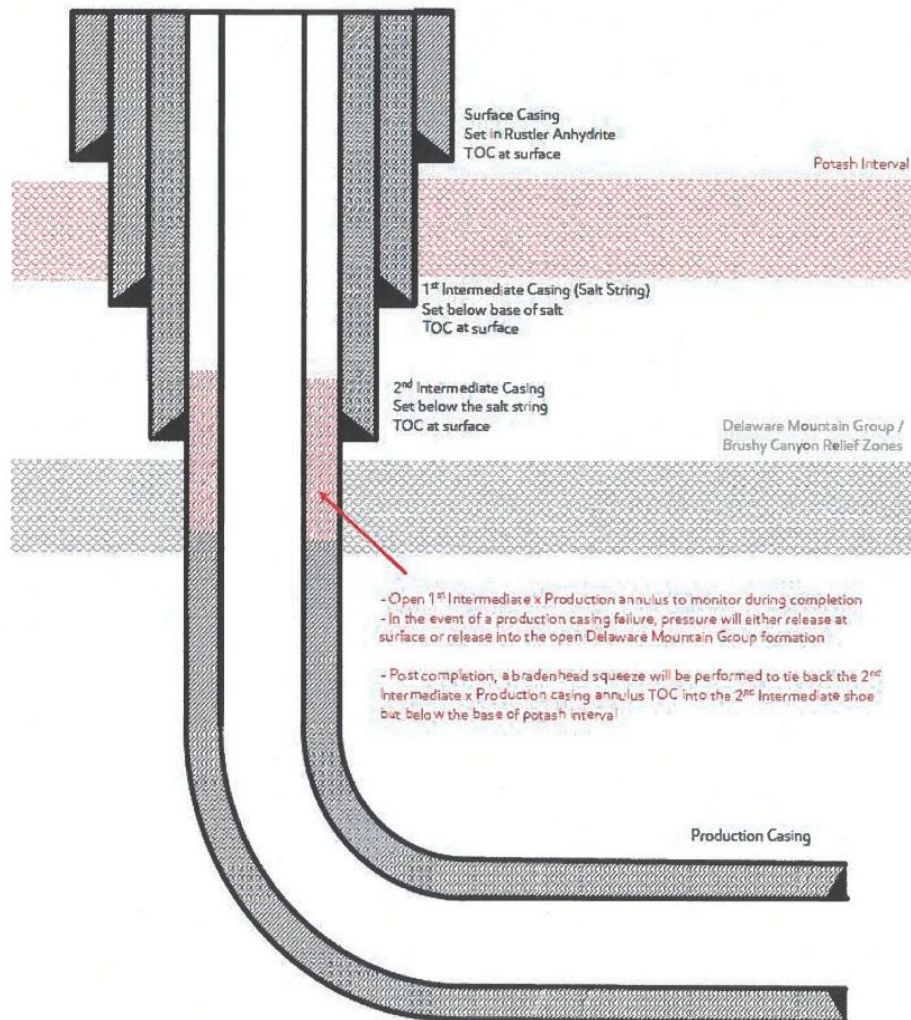
4-String Design – Open 1st Int x 2nd Int Annulus (ICP 2 below relief zone)



[Figure D] 4 String – Uncemented annulus between 1st and 2nd Intermediate casing strings

R-111-Q Wellbore Schematics

4-String Design – Open 1st Int x Production Casing (ICP 2 above relief zone)



[Figure E] 4 String – Uncemented Annulus between 2nd Intermediate and Production Casing Strings

Drill Plan

Blue Chip 14 Fed Com 511H
SHL: 955' FSL & 239' FEL Section 11
BHL: 110' FSL & 1261' FEL Section 23
Township/Range: 21S 32E
Elevation Above Sea Level: 3854

Original Design

- Option A: As permitted 5-String design. No changes from original permit.

Drilling Operation Plan

Proposed Drilling Depth: 23116' MD / 12860' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.4860054 N / -103.6410013 W

TD Lat/Long (NAD83): 32.4574075 N / -103.6410156 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness	Lithology	Resource
Rustler	1,586	1,585	435	Anhydrite	Barren
Salado (Top of Salt)	2,022	2,020	1,268	Salt	Barren
Lamar (Base of Salt)	3,300	3,288	426	Salt	Barren
Capitan	3,730	3,714	1,349	Limestone	Barren
Bell Canyon	5,094	5,063	528	Sandstone	Oil/Natural Gas
Cherry Canyon	5,626	5,591	382	Sandstone	Oil/Natural Gas
Brushy Canyon	6,012	5,973	922	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,944	6,895	1,993	Limestone	Oil/Natural Gas
Upper Avalon Shale	8,955	8,888	301	Shale	Oil/Natural Gas
Avalon Carb	9,260	9,189	229	Carbonate	Oil/Natural Gas
Lower Avalon Shale	9,490	9,418	229	Shale	Oil/Natural Gas
1st Bone Spring Carb	9,722	9,647	208	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	9,932	9,855	274	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	10,208	10,129	295	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	10,507	10,424	534	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	11,046	10,958	439	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	11,489	11,397	254	Sandstone	Oil/Natural Gas
Wolfcamp A	11,745	11,651	99	Shale	Oil/Natural Gas
Wolfcamp B	11,845	11,750	745	Shale	Oil/Natural Gas
KOP	12,384	12,287	-	Shale	Oil/Natural Gas
Wolfcamp D	12,597	12,495	-	Shale	Oil/Natural Gas
TD	23,116	12,860	-	Shale	Oil/Natural Gas

2. Notable Zones

Wolfcamp D is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 420'.

3. Pressure Control

Equipment

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the all intermediate and production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface and intermediate casing. The "Offline Cementing - Surface Casing" and "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate casing strings.

Drill Plan**4. Casing & Cement**

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1656	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3388	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5113	9.625	40	J-55	BUTT	1.125	1.125	1.8
Intermediate 3	8.75	0 - 12234	0 - 12137	7.625	29.7	P-110 EC	VAM Sprint SF	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- All applicable R-111-Q regulations will be adhered to
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

Option A - Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	1740	1.72	2990	13.5	50%	0	C	5% NaCl + LCM
	Tail	600	1.38	828	14.8	50%	1325	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1706'	Stg 2 Tail	970	1.78	1726	13.5	10%	0	C	10% NaCl + 1% MgO + LCM
	Stg 1 Lead	1560	1.84	2869	12.5	50%	0	C	10% NaCl + 1% MgO + LCM
	Stg 1 Tail	560	1.33	743	14.8	50%	2720	C	10% NaCl + 1% MgO + LCM
Intermediate 2 w/ DV @ 3450'	Stg 2 Tail	700	1.78	1250	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	180	2.63	472	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Stg 1 Tail	310	1.38	423	13.2	35%	4144	A/C	5% NaCl + LCM
Intermediate 3	Primary	470	1.35	629	14.8	0%	6144	C	10% NaCl + 1% MgO + LCM
Production	Lead	930	1.47	1362	12.5	0%	6012	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	740	1.35	992	13.2	0%	11234	A/C	Fluid Loss + Dispersant + Retarder

Drill Plan**Option A Post-Completion Cement Design - Bradenhead Squeeze**

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent	Top of	Class	Blend
Intermediate 3	Braden-head Squeeze	370	1.35	504	14.8	0%	4644	C	10% NaCl + 1% MgO + LCM

Matador plans to cement the Int. 3 string per R-111-Q.(C).(5).(c).(iii), leaving the annulus open between the 2nd intermediate and production casing strings for 1000' until hydraulic fracturing operations have been concluded, at which point a bradenhead cementing operation will take place, ensuring at least 500' tie-back into 2nd intermediate casing, but not higher than USGS Marker Bed No. 126. TOC for the primary production job will be determined by CBL prior to hydraulic fracturing. As per R-111-Q.(C).(6).(c).(i), the production cement will have a zero free fluid and a HTHP fluid loss of 150 ml/30min.

As per R-111-Q.(C).(5).(c), the annulus between int. 3 and production casing will be monitored and designed to relieve pressure from annulus below the failure threshold.

5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	26	Spud Mud	0 - 1656	8.4 - 8.8	28-30	NC
Intermediate 1	17.5	Brine	1656 - 3400	9.8 - 10.2	28-30	NC
Intermediate 2	12.25	Fresh Water	3400 - 5144	8.4 - 8.6	28-30	NC
Intermediate 3	8.75	Cut Brine	5144 - 12234	8.6 - 9.8	28-30	NC
Production	6.75	OBM/Cut Brine	12234 - 23116	11 - 12.5	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve. We will be running a Neutron log on one of the wells on each pad.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 8359 psi. Maximum anticipated surface pressure is 5530 psi. Expected bottom hole temperature is 214 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Casing Table Specification Sheet - Option D**Blue Chip 14 Fed Com 511H****SHL: 955' FSL & 239' FEL Section 11****BHL: 110' FSL & 1261' FEL Section 23****Township/Range: 21S 32E****Elevation Above Sea Level: 3854**

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1656	0 - 1656	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	12.25	0 - 3400	0 - 3388	10.75	45.5	HCL-80	BUTT-SC	1.125	1.125	1.8
Intermediate 2	8.75	0 - 12234	0 - 12137	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

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Casing Table Specification Sheet - Option B**Blue Chip 14 Fed Com 511H****SHL: 955' FSL & 239' FEL Section 11****BHL: 110' FSL & 1261' FEL Section 23****Township/Range: 21S 32E****Elevation Above Sea Level: 3854**

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1655	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3400	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25 & 8.75	0 - 12234	0 - 12137	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

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SHL: 955' FSL & 239' FEL Section 11
BHL: 110' FSL & 1261' FEL Section 23
Township/Range: 21S 32E
Elevation Above Sea Level: 3854

Drill Plan

Sundry Request

Matador request the option to amend the well design of the Blue Chip 14 Fed Com #702H and make the following changes to the current APD:

- Option D: 4-string design per figure D in R-111-Q. will drop intermediate-2 string, if hole conditions allow.
- Modify casing set depths as shown on the casing and cementing table. Cement volumes will be adjusted accordingly

Drilling Operation Plan

Proposed Drilling Depth: 23116' MD / 12860' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.4860054 N / -103.6410013 W

TD Lat/Long (NAD83): 32.4574075 N / -103.6410156 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness	Lithology	Resource
Rustler	1,586	1,585	435	Anhydrite	Barren
Salado (Top of Salt)	2,022	2,020	1,268	Salt	Barren
Lamar (Base of Salt)	3,300	3,288	426	Salt	Barren
Capitan	3,730	3,714	1,349	Limestone	Barren
Bell Canyon	5,094	5,063	528	Sandstone	Oil/Natural Gas
Cherry Canyon	5,626	5,591	382	Sandstone	Oil/Natural Gas
Brushy Canyon	6,012	5,973	922	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,944	6,895	1,993	Limestone	Oil/Natural Gas
Upper Avalon Shale	8,955	8,888	301	Shale	Oil/Natural Gas
Avalon Carb	9,260	9,189	229	Carbonate	Oil/Natural Gas
Lower Avalon Shale	9,490	9,418	229	Shale	Oil/Natural Gas
1st Bone Spring Carb	9,722	9,647	208	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	9,932	9,855	274	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	10,208	10,129	295	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	10,507	10,424	534	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	11,046	10,958	439	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	11,489	11,397	254	Sandstone	Oil/Natural Gas
Wolfcamp A	11,745	11,651	99	Shale	Oil/Natural Gas
Wolfcamp B	11,845	11,750	745	Shale	Oil/Natural Gas
KOP	12,384	12,287	-	Shale	Oil/Natural Gas
Wolfcamp D	12,597	12,495	-	Shale	Oil/Natural Gas
TD	23,116	12,860	-	Shale	Oil/Natural Gas

2. Notable Zones

Wolfcamp D is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 420'.

Drill PlanEquipment

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the all intermediate and production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface and intermediate casing. The "Offline Cementing - Surface Casing" and "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate casing strings.

Drill Plan**Option D - Casing Design**

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1656	0 - 1656	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	12.25	0 - 3400	0 - 3388	10.75	45.5	HCL-80	BUTT-SC	1.125	1.125	1.8
Intermediate 2	8.75	0 - 12234	0 - 12137	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- All applicable R-111-Q regulations will be adhered to, as per R-111-Q WBS Figure D
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

Option D - Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	1530	1.72	2630	13.5	50%	0	C	5% NaCl + LCM
	Tail	600	1.38	828	14.8	50%	1325	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1706'	Stg 2 Tail	970	1.78	1726	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	1560	1.84	2869	12.5	50%	0	C	5% NaCl + LCM
	Stg 1 Tail	560	1.33	743	14.8	50%	2720	C	5% NaCl + LCM
Intermediate 2	Primary	450	1.38	625	14.8	0%	6012	A/C	5% NaCl + LCM
Production	Tail	700	1.35	951	13.2	0%	11734	A/C	Fluid Loss + Dispersant + Retarder

Option D - Post-Completion Cement Design - Bradenhead Squeeze**Drill Plan**

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Intermediate 2	Bradenhead Squeeze	1760	1.35	2374	14.8	0%	3200	C	5% NaCl + LCM

Matador plans to cement the Production string per R-111-Q.(C).(5).(c).(iii), leaving the annulus open between the 2nd intermediate and production casing strings for 1000' until hydraulic fracturing operations have been concluded, at which point a bradenhead cementing operation will take place, ensuring at least 500' tie-back into 2nd intermediate casing, but not higher than USGS Marker Bed No. 126. TOC for the primary production job will be determined by CBL prior to hydraulic fracturing. As per R-111-Q.(C).(6).(c).(i), the Production cement will have a zero free fluid and a HTHP fluid loss of 150 ml/30min.

As per R-111-Q.(C).(5).(c), the annulus between int. 2 and production casing will be monitored and designed to relieve pressure from annulus below the failure threshold.

Matador request option to perform bradenhead squeeze on Int 1 and Int 2 instead of 2-stage DV tool design.

5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1656	8.4 - 8.8	28-30	NC
Intermediate 1	12.25	Brine	1656 - 3400	9.8 - 10.2	28-30	NC
Intermediate 2	8.75	FW/Cut Brine	3400 - 12234	8.4 - 9	28-30	NC
Production	6.75	OBM/Cut Brine	12234 - 23116	11 - 12.5	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve. We will be running a Neutron log on one of the wells on each pad.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 8359 psi. Maximum anticipated surface pressure is 5530 psi. Expected bottom hole temperature is 214 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Drill Plan

Blue Chip 14 Fed Com 511H
SHL: 955' FSL & 239' FEL Section 11
BHL: 110' FSL & 1261' FEL Section 23
Township/Range: 21S 32E
Elevation Above Sea Level: 3854

Sundry Request

Matador request the option to amend the well design of the Blue Chip 14 Fed Com #702H and make the following changes to the current APD:

- Option C: 4-string design per figure E in R-111-Q. Will drop intermediate-3 string, if hole conditions allow.
- Option to drill production hole size of 7-7/8"
- Option to drill production hole size of 6-3/4"
- Modify casing set depths as shown on the casing and cementing table. Cement volumes will be adjusted accordingly

Drilling Operation Plan

Proposed Drilling Depth: 23116' MD / 12860' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.4860054 N / -103.6410013 W

TD Lat/Long (NAD83): 32.4574075 N / -103.6410156 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,586	1,585	435	Anhydrite	Barren
Salado (Top of Salt)	2,022	2,020	1,268	Salt	Barren
Lamar (Base of Salt)	3,300	3,288	426	Salt	Barren
Capitan	3,730	3,714	1,349	Limestone	Barren
Bell Canyon	5,094	5,063	528	Sandstone	Oil/Natural Gas
Cherry Canyon	5,626	5,591	382	Sandstone	Oil/Natural Gas
Brushy Canyon	6,012	5,973	922	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,944	6,895	1,993	Limestone	Oil/Natural Gas
Upper Avalon Shale	8,955	8,888	301	Shale	Oil/Natural Gas
Avalon Carb	9,260	9,189	229	Carbonate	Oil/Natural Gas
Lower Avalon Shale	9,490	9,418	229	Shale	Oil/Natural Gas
1st Bone Spring Carb	9,722	9,647	208	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	9,932	9,855	274	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	10,208	10,129	295	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	10,507	10,424	534	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	11,046	10,958	439	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	11,489	11,397	254	Sandstone	Oil/Natural Gas
Wolfcamp A	11,745	11,651	99	Shale	Oil/Natural Gas
Wolfcamp B	11,845	11,750	745	Shale	Oil/Natural Gas
KOP	12,384	12,287	-	Shale	Oil/Natural Gas
Wolfcamp D	12,597	12,495	-	Shale	Oil/Natural Gas
TD	23,116	12,860	-	Shale	Oil/Natural Gas

2. Notable Zones

Wolfcamp D is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 420'.

3. Pressure Control

Equipment

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the all intermediate and production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface and intermediate casing. The "Offline Cementing - Surface Casing" and "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate casing strings.

Drill Plan**4. Casing & Cement****Option C - Casing Design**

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1656	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3388	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5113	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production	8.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- All applicable R-111-Q regulations will be adhered to, as per R-111-Q WBS Figure E
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review
- Request option to drill 7-7/8" or 6-3/4" production curve and lateral, cement volumes will be adjusted accordingly.
- Request option to run 7" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards
- Request option to run 6" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards
- Request option to run 6" casing all the way to TD and obey clearance standards
- If significant losses are observed while drilling the production vertical section, revert to Design A

Variance Request

Matador request a variance to wave the centralizer requirement for the 9-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

Option C - Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	1740	1.72	2990	13.5	50%	0	C	5% NaCl + LCM
	Tail	600	1.38	828	14.8	50%	1325	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1706'	Stg 2 Tail	970	1.78	1726	13.5	10%	0	C	10% NaCl + 1% MgO + LCM
	Stg 1 Lead	1560	1.84	2869	12.5	50%	0	C	10% NaCl + 1% MgO + LCM
	Stg 1 Tail	560	1.33	743	14.8	50%	2720	C	10% NaCl + 1% MgO + LCM
Intermediate 2 w/ DV @ 3450'	Stg 2 Tail	700	1.78	1250	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	540	2.63	1418	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Stg 1 Tail	310	1.38	423	13.2	35%	4144	A/C	5% NaCl + LCM
Production	Lead	930	1.47	1366	12.5	0%	6144	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	2200	1.35	2964	13.2	0%	11384	A/C	Fluid Loss + Dispersant + Retarder

Drill Plan**Option C - Post-Completion Cement Design - Bradenhead Squeeze**

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Production	Braden-head Squeeze	370	1.35	504	14.8	0%	4644	C	10% NaCl + 1% MgO + LCM

Matador plans to cement the Production string per R-111-Q.(C).(5).(c).(iii), leaving the annulus open between the 2nd intermediate and production casing strings for 1000' until hydraulic fracturing operations have been concluded, at which point a bradenhead cementing operation will take place, ensuring at least 500' tie-back into 2nd intermediate casing, but not higher than USGS Marker Bed No. 126. TOC for the primary production job will be determined by CBL prior to hydraulic fracturing. As per R-111-Q.(C).(6).(c).(i), the Production cement will have a zero free fluid and a HTHP fluid loss of 150 ml/30min.

As per R-111-Q.(C).(5).(c), the annulus between int. 2 and production casing will be monitored and designed to relieve pressure from annulus below the failure threshold.

5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	26	Spud Mud	0 - 1656	8.4 - 8.8	28-30	NC
Intermediate 1	17.5	Brine	1656 - 3400	9.8 - 10.2	28-30	NC
Intermediate 2	12.25	Fresh Water	3400 - 5144	8.4 - 8.6	28-30	NC
Production	8.75	OBM/Cut Brine	5144 - 23116	11 - 12.5	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 8359 psi. Maximum anticipated surface pressure is 5530 psi. Expected bottom hole temperature is 214 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

SHL: 955' FSL & 239' FEL Section 11
BHL: 110' FSL & 1261' FEL Section 23
Township/Range: 21S 32E
Elevation Above Sea Level: 3854

Drill Plan

Sundry Request

Matador request the option to amend the well design of the Blue Chip 14 Fed Com #702H and make the following changes to the current APD:

- Option B: 4-string design per figure D in R-111-Q. Will drop intermediate-2 string, if hole conditions allow
- Modify casing set depths as shown on the casing and cementing table. Cement volumes will be adjusted accordingly

Drilling Operation Plan

Proposed Drilling Depth: 23116' MD / 12860' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.4860054 N / -103.6410013 W

TD Lat/Long (NAD83): 32.4574075 N / -103.6410156 W

1. Estimated Tops

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Salado (Top of Salt)	2,022	2,020	1,268	Salt	Barren
Lamar (Base of Salt)	3,300	3,288	426	Salt	Barren
Capitan	3,730	3,714	1,349	Limestone	Barren
Bell Canyon	5,094	5,063	528	Sandstone	Oil/Natural Gas
Cherry Canyon	5,626	5,591	382	Sandstone	Oil/Natural Gas
Brushy Canyon	6,012	5,973	922	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,944	6,895	1,993	Limestone	Oil/Natural Gas
Upper Avalon Shale	8,955	8,888	301	Shale	Oil/Natural Gas
Avalon Carb	9,260	9,189	229	Carbonate	Oil/Natural Gas
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1st Bone Spring Sand	9,932	9,855	274	Sandstone	Oil/Natural Gas
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2nd Bone Spring Sand	10,507	10,424	534	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	11,046	10,958	439	Carbonate	Oil/Natural Gas
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Wolfcamp B	11,845	11,750	745	Shale	Oil/Natural Gas
KOP	12,384	12,287	-	Shale	Oil/Natural Gas
Wolfcamp D	12,597	12,495	-	Shale	Oil/Natural Gas
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2. Notable Zones

Wolfcamp D is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 420'.

Drill PlanEquipment

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the all intermediate and production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface and intermediate casing. The "Offline Cementing - Surface Casing" and "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate casing strings.

Drill Plan

Option B - Casing Design

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1655	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3400	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5113	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
	8.75	5144 - 12234	5113 - 12137	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- All applicable R-111-Q regulations will be adhered to, as per R-111-Q WBS Figure D
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for
- If significant losses are observed while drilling the 12.25" intermediate section, proceed with Option C

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

Option D - Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	1530	1.72	2630	13.5	50%	0	C	5% NaCl + LCM
	Tail	600	1.38	828	14.8	50%	1325	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1706'	Stg 2 Tail	970	1.78	1726	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	1560	1.84	2869	12.5	50%	0	C	5% NaCl + LCM
	Stg 1 Tail	560	1.33	743	14.8	50%	2720	C	5% NaCl + LCM
Intermediate 2	Primary	450	1.38	625	14.8	0%	6012	A/C	5% NaCl + LCM
Production	Tail	700	1.35	951	13.2	0%	11734	A/C	Fluid Loss + Dispersant + Retarder

Option D - Post-Completion Cement Design - Bradenhead Squeeze**Drill Plan**

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Intermediate 2	Bradenhead Squeeze	1760	1.35	2374	14.8	0%	3200	C	5% NaCl + LCM

Matador plans to cement the Production string per R-111-Q.(C).(5).(c).(iii), leaving the annulus open between the 2nd intermediate and production casing strings for 1000' until hydraulic fracturing operations have been concluded, at which point a bradenhead cementing operation will take place, ensuring at least 500' tie-back into 2nd intermediate casing, but not higher than USGS Marker Bed No. 126. TOC for the primary production job will be determined by CBL prior to hydraulic fracturing. As per R-111-Q.(C).(6).(c).(i), the Production cement will have a zero free fluid and a HTHP fluid loss of 150 ml/30min.

As per R-111-Q.(C).(5).(c), the annulus between int. 2 and production casing will be monitored and designed to relieve pressure from annulus below the failure threshold.

Matador request option to perform bradenhead squeeze on Int 1 and Int 2 instead of 2-stage DV tool design.

5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	26	Spud Mud	0 - 1656	8.4 - 8.8	28-30	NC
Intermediate 1	17.5	Brine	1656 - 3400	9.8 - 10.2	28-30	NC
Intermediate 2	12.25 & 8.75	FW/Cut Brine	3400 - 12234	8.4 - 9	28-30	NC
Production	6.75	OBM/Cut Brine	12234 - 23116	11 - 12.5	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve. We will be running a Neutron log on one of the wells on each pad.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 8359 psi. Maximum anticipated surface pressure is 5530 psi. Expected bottom hole temperature is 214 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Casing Table Specification Sheet - Option C**Blue Chip 14 Fed Com 511H****SHL: 955' FSL & 239' FEL Section 11****BHL: 110' FSL & 1261' FEL Section 23****Township/Range: 21S 32E****Elevation Above Sea Level: 3854**

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1656	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3388	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5113	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production	8.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

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Casing Table Specification Sheet - Option A

Blue Chip 14 Fed Com 511H**SHL: 955' FSL & 239' FEL Section 11****BHL: 110' FSL & 1261' FEL Section 23****Township/Range: 21S 32E****Elevation Above Sea Level: 3854**

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1656	0 - 1656	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 3400	0 - 3388	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5144	0 - 5113	9.625	40	J-55	BUTT	1.125	1.125	1.8
Intermediate 3	8.75	0 - 12234	0 - 12137	7.625	29.7	P-110 EC	VAM Sprint SF	1.125	1.125	1.8
Production	6.75	0 - 23116	0 - 12860	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

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Sundry Request

Matador requests the option to amend the well design of the Blue Chip 14 Fed Com #511H and make the following changes to the current APD:

Option A: As permitted 5-string design. No changes from original permit.

Option B: 4-string design per figure D in R-111-Q. Will drop intermediate-2 string, if hole conditions allow.

- If significant losses are observed while drilling the 12.25" intermediate section, proceed with Option C.

Option C: 4-string design per figure E in R-111-Q . Will drop intermediate 3 string, if hole conditions allow.

- Option to drill production hole size of 7-7/8".
- Option to drill production hole size of 6-3/4".
- Option to run 7" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards.
- Option to run 6" casing to KOP and 5.5" casing from KOP to TD and obey clearance standards.
- Option to run 6" casing all the way to TD and obey clearance standards.
- If hole conditions don't allow drilling the production vertical section, revert to Design A.

Option D: 4-string design per figure D in R-111-Q. will drop intermediate-2 string, if hole conditions allow.

Casing set depths will be modified as shown on each casing and cementing table. Cement volumes will be adjusted accordingly.

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CONDITIONS

Action 567272

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 567272
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Choice of casing design option must be clearly reported on all form C-103Ns.	4/13/2026
matthew.gomez	Casing design option must be adhered to in its entirety. Cannot combine portions of multiple designs to form a new casing design without prior approval.	4/13/2026
matthew.gomez	All previous COA's still apply.	4/13/2026