Received by OCD: 9/14/2026 1:09:02 PM

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

09/10/2026

Well Name: PHELPS FED COM

Well Location: T24S / R36E / SEC 28 / SESW / 32.1823124 / -103.273726

County or Parish/State: LEA / NM

Well Number: 211H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM127447

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Sundry ID: 2920822

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 07/07/2026

Time Sundry Submitted: 01:47

Date proposed operation will begin: 08/07/2026

Procedure Description: BLM Bond # NMB001079 and Surety Bond # RLB0015172 Matador requests the option to amend the well design of the Phelps Fed Com #211H (APD ID# 10400104595 - API# 30-025-56437) and make the following changes to the current APD: - Change the well target from 10,800' TVD to 10,840' TVD. - Change the target formation from Wolfcamp A to Third Bone Spring. - Change well SHL from 410' FSL & 1471' FWL Section 28 to 497' FSL & 1541' FWL Section 28. - Change well BHL from 110' FSL & 660' FWL Section 9 to 110' FSL & 660' FWL Section 9. All perforations will be within setback requirements as previously approved. - Modify casing set depths as shown on the casing and cement table. - Change intermediate 1 casing size from 7-5/8" to 9-5/8". Cement volumes will be adjusted accordingly. - Change intermediate 1 hole size from 12-1/4" x 9-7/8" to 12-1/4". Cement volumes will be adjusted accordingly. - Change production hole size from 6-3/4" to 8-3/4" x 6-3/4". Cement volumes will be adjusted accordingly.

NOI Attachments

Procedure Description

Phelps_Fed_Com_211H_Drill_Plan_Design_B__4_string__20260723160017.pdf

Phelps_Fed_Com_211H_Drill_Plan_Design_A__3_string__20260723155948.pdf

Phelps_Fed_Com_211H_Casing_Table_Spec_Option_B__20260723155904.pdf

Phelps_Fed_Com_211H_Casing_Table_Spec_Option_A__20260723155832.pdf

Phelps_Fed_Com_211H_Directional_AC_Report_20260723155750.pdf

Phelps_Fed_Com_211H_Directional_Wall_Plot_20260723155712.pdf

Released to Imaging: 10/15/2026 9:10:31 AM

Well Name: PHELPS FED COM

Well Location: T24S / R36E / SEC 28 / SESW / 32.1823124 / -103.273726

County or Parish/State: LEA / NM

Well Number: 211H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM127447

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MATADOR PRODUCTION COMPANY

Phelps_Fed_Com_211H_Directional_Well_Plan_20260723155628.pdf

LO_PHELPS_FED_COM_211H_REV3_S_signed_20260723155545.pdf

Conditions of Approval

Additional

PHELPS_FED_COM_211H_Sundry_2920822_COA_20260819142600.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: DEBBIE CREED

Signed on: JUL 23, 2026 04:09 PM

Name: MATADOR PRODUCTION COMPANY

Title: BLM Tech

Street Address: 5400 LBJ FREEWAY

City: DALLAS **State:** TX

Phone: (972) 371-5426

Email address: DEBBIE.CREED@MATADORRESOURCES.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: SAMAN AKHTARMANESH

BLM POC Title: Engineer

BLM POC Phone: 5759099996

BLM POC Email Address: SAKHTARMANESH@BLM.GOV

Disposition: Approved

Disposition Date: 08/19/2026

Signature: Saman Akhtarmanesh

Released to Imaging: 10/15/2026 9:10:31 AM

CONFIDENTIAL

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

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

11. Country or Parish, State

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE 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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand 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

- Change intermediate 1 casing size from 7-5/8" to 9-5/8". Cement volumes will be adjusted accordingly.
- Change intermediate 1 hole size from 12-1/4" x 9-7/8" to 12-1/4". Cement volumes will be adjusted accordingly.
- Change production hole size from 6-3/4" to 8-3/4" x 6-3/4". Cement volumes will be adjusted accordingly.

Location of Well

0. SHL: SESW / 410 FSL / 1471 FWL / TWSP: 24S / RANGE: 36E / SECTION: 28 / LAT: 32.1823124 / LONG: -103.273726 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 691 FWL / TWSP: 24S / RANGE: 36E / SECTION: 33 / LAT: 32.1809187 / LONG: -103.2762422 (TVD: 10461 feet, MD: 10529 feet)

PPP: LOT 4 / 0 FNL / 660 FWL / TWSP: 25S / RANGE: 36E / SECTION: 4 / LAT: 32.166666 / LONG: -103.2763137 (TVD: 10800 feet, MD: 15850 feet)

BHL: SWSW / 110 FSL / 660 FWL / TWSP: 25S / RANGE: 36E / SECTION: 9 / LAT: 32.1379177 / LONG: -103.2764577 (TVD: 10800 feet, MD: 26310 feet)

CONFIDENTIAL

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-56437	97088	WC-025 G-08 S253534O;BONE SPRING WILDCAT

Property Code	Property Name	Well Number
339365	PHELPS FED COM	211H

OGRID No.	Operator Name	Ground Level Elevation
228937	MATADOR PRODUCTION COMPANY	3280'

Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal
Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	28	24-S	36-E	-	497' S	1541' W	N 32.1825515	W 103.2735001	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	9	25-S	36-E	-	110' S	660' W	N 32.1379177	W 103.2764577	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
480.36	Defining	30-025-56437	N	F

Order Numbers: R-24380
Well Setbacks are under Common Ownership: ☐ Yes ☒ No

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
D	33	24-S	36-E	-	50' N	692' W	N 32.1810561	W 103.2762415	LEA

First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
D	33	24-S	36-E	-	100' N	691' W	N 32.1809187	W 103.2762422	LEA

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	9	25-S	36-E	-	110' S	660' W	N 32.1379177	W 103.2764577	LEA

Unitized Area or Area of Uniform Interest	Spacing Unity Type	Ground Floor Elevation
Pending	☒ Horizontal ☐ Vertical	3,308' KB

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

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

Debbie Creed 7/23/2026

Signature Date

Debbie Creed

Print Name

debbie.creed@matadorresources.com

E-mail Address

SURVEYORS CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

ANGEL M. PEÑA NEW MEXICO 25116 7/16/26 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor Date

Certificate Number

Date of Survey: 03/18/2026

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Received by OCD: 9/14/2026 1:09:02 PM

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type:
- ☐ Initial Submittal
- ☒ Amended Report
- ☐ As Drilled

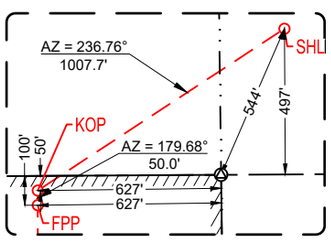
Property Name and Well Number

PHELPS FED COM 211H

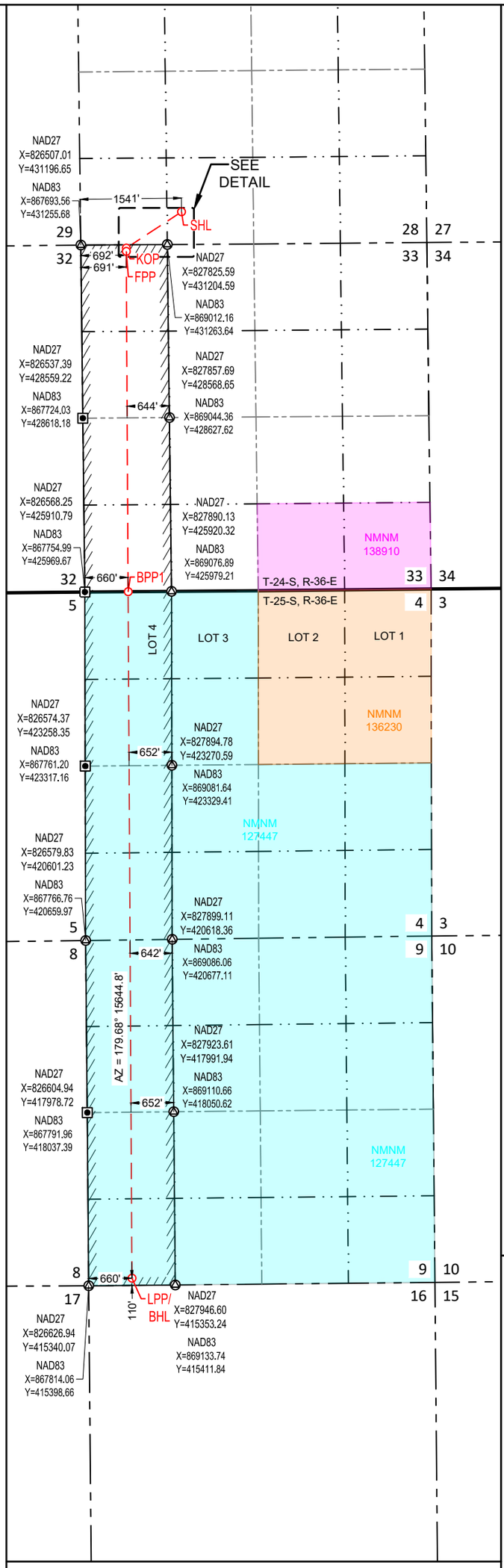
SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=869229 Y=431762
LAT.: N 32.1825515
LONG.: W 103.2735001
NAD 1927
X=828042 Y=431703
LAT.: N 32.1824247
LONG.: W 103.2730353
497' FSL 1541' FWL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=868386 Y=431210
LAT.: N 32.1810561
LONG.: W 103.2762415
NAD 1927
X=827199 Y=431151
LAT.: N 32.1809290
LONG.: W 103.2757777
50' FNL 692' FWL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=868386 Y=431160
LAT.: N 32.1809187
LONG.: W 103.2762422
NAD 1927
X=827200 Y=431101
LAT.: N 32.1807916
LONG.: W 103.2757784
100' FNL 691' FWL



DETAIL VIEW
SCALE: 1" = 600'



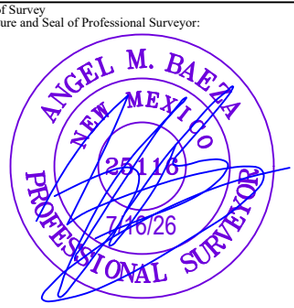
BLM PERF. POINT (BPP1)
NEW MEXICO EAST
NAD 1983
X=868415 Y=425974
LAT.: N 32.1666660
LONG.: W 103.2763137
NAD 1927
X=827228 Y=425916
LAT.: N 32.1665388
LONG.: W 103.2758506
0' FNL 660' FWL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=868473 Y=415515
LAT.: N 32.1379177
LONG.: W 103.2764577
NAD 1927
X=827286 Y=415457
LAT.: N 32.1377904
LONG.: W 103.2759959
110' FSL 660' FWL

SURVEYORS CERTIFICATION

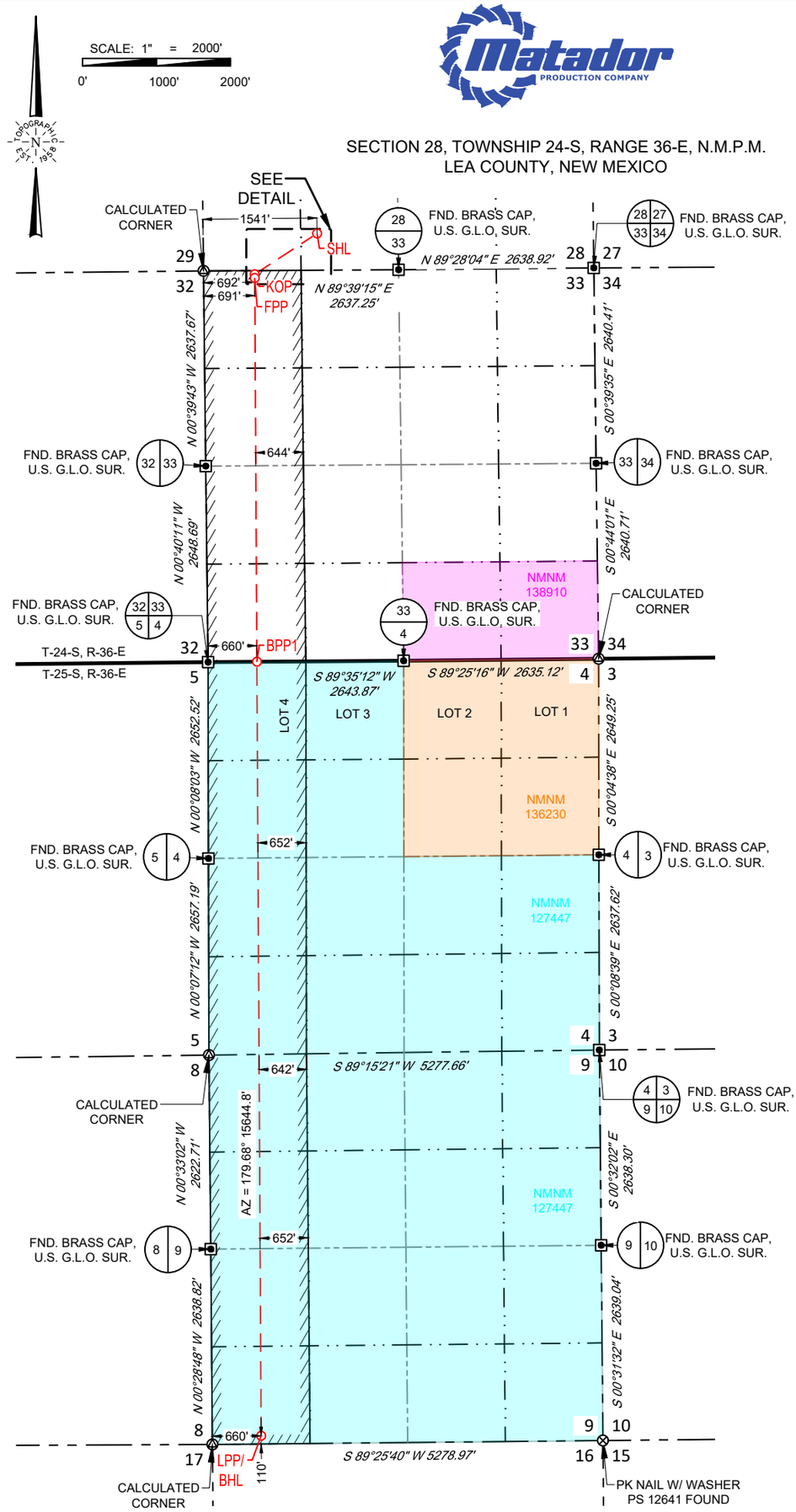
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

03/18/2026
Date of Survey
Signature and Seal of Professional Surveyor:



S:\SURVEY\MATADOR_RESOURCES\PHELPS_3309_30-24S-36E\FINAL_PRODUCTS\LO_PHELPS_FED_COM_211H_REV3.dwg CRALEY 7/16/2026 12:54 PM

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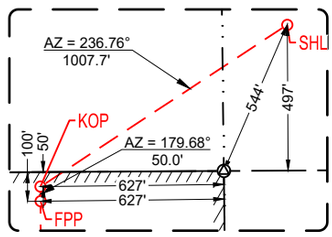
SURFACE LOCATION (SHL)
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497' FSL 1541' FWL

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NEW MEXICO EAST
NAD 1983
X=868386 Y=431210
LAT.: N 32.1810561
LONG.: W 103.2762415
50' FNL 692' FWL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=868386 Y=431160
LAT.: N 32.1809187
LONG.: W 103.2762422
100' FNL 691' FWL

BLM PERF. POINT (BPP1)
NEW MEXICO EAST
NAD 1983
X=868415 Y=425974
LAT.: N 32.1666660
LONG.: W 103.2763137
0' FNL 660' FWL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=868473 Y=415515
LAT.: N 32.1379177
LONG.: W 103.2764577
110' FSL 660' FWL



DETAIL VIEW
SCALE: 1" = 600'

LEASE NAME & WELL NO.: PHELPS FED COM 211H

SECTION 28 TWP 24-S RGE 36-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 497' FSL & 1541' FWL

DISTANCE & DIRECTION
FROM INT. OF NM-128 W. & NM-18 N, GO WEST ON NM-128 W ±5.5 MILES, THENCE NORTH (RIGHT) ON A LEASE RD. ±1.9 MILES, THENCE CONTINUING STRAIGHT ON A PROPOSED RD. ±1.31 MILES TO A POINT ±577 FEET SOUTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.



Angel M. Baeza, P.S. No. 25116

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
808 WEST INDIANA • MIDLAND, TEXAS 79701
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

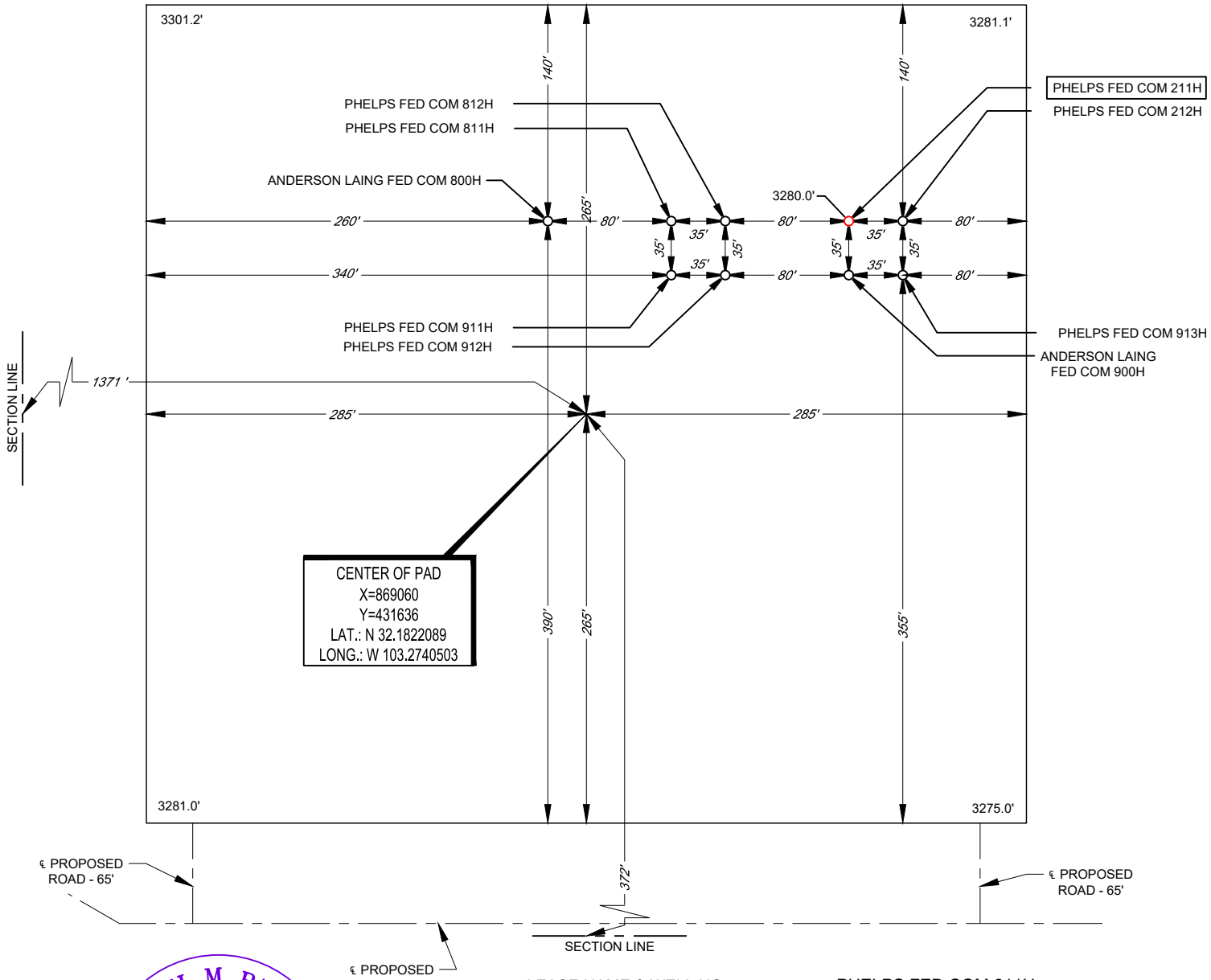
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LEGEND

SECTION LINE

PROPOSED ROAD

SECTION 28, TOWNSHIP 24-S, RANGE 36-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: PHELPS FED COM 211H

211H LATITUDE N 32.1825515 211H LONGITUDE W 103.2735001

CENTER OF PAD IS 372' FSL & 1371' FWL

ANGEL M. BAEZA NEW MEXICO 25116 7/16/26 PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

SCALE: 1" = 100'

0' 50' 100'

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
808 WEST INDIANA • MIDLAND, TEXAS 79701
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
WELL NAME & NO.:	PHELPS FED COM 211H
APD ID:	10400104595
LOCATION:	Section 28, T.24 S., R.36 E. NMP.
COUNTY:	Lea County, New Mexico

COA

H_2S	○ No		◉ Yes	
Potash / WIPP	◉ None	○ Secretary	○ R-111-Q	☐ Open Annulus ☐ 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 ☐ Four-String	☐ Casing Clearance ☑ Offline Cementing	☐ Pilot Hole ☑ Fluid-Filled	☑ Break Testing

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

A. CASING DESIGN

Primary Casing Program (3-string)

Note: The surface casing set depth was adjusted. Revise cement volume if needed.

1. The **13-3/8** inch surface casing shall be set at approximately **1,683 ft.** (a minimum of **70 ft.** 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 psi compressive strength, whichever is greater.

d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Note: Operator has requested to have the option to drill either 17-1/2" or 20" surface holes. Both hole sizes meet title 43 CFR 3172 clearance requirements between casing-coupling and hole. This option is granted; adjust cement volume accordingly.

2. The **9-5/8** inch intermediate casing shall be set in a competent bed (base of Capitan reef) at approximately **5,682 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**.

Option 2 (Two-stage): Operator has proposed using a DV tool, the depth may be adjusted as long as the cement is changed proportionally. *The operator shall set the DV tool at the base of the Salado instead of at the top of the Salado.* 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**.

❖ In Capitan Reef Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

❖ **Special Capitan Reef requirements.** If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:

- Switch to freshwater mud to protect the Capitan Reef and use freshwater mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
- Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

Note: The intermediate casing must be kept fluid-filled to meet BLM's minimum collapse design SF requirements.

3. Operator has proposed to set **5-1/2 inch** production casing at approximately **26,358 ft.** (10,840 ft. TVD). The minimum required fill of cement behind the **5-1/2 in.** production casing is:
   - Cement should tie-back at least **50 feet** above the Capitan Reef top **or 200 feet** into the previous casing, whichever is greater. 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 the CFO's recommendation of 25%, more cement might be needed.

Alternate Casing Program (4-string)

Note: The surface casing set depth was adjusted. Revise cement volume if needed.

1. The **13-3/8** inch surface casing shall be set at approximately **1,683 ft.** (a minimum of **70 ft.** 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 psi compressive strength, whichever is greater.
   d. If cement falls back, remedial cementing will be done prior to drilling out that string.

   Note: Operator has requested to have the option to drill either 17-1/2" or 20" surface holes. Both hole sizes meet title 43 CFR 3172 clearance requirements between casing-coupling and hole. This option is granted; adjust cement volume accordingly.

2. The **9-5/8** inch intermediate casing shall be set in a competent bed (base of Capitan reef) at approximately **5,682 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**.

Option 2 (Two-stage): Operator has proposed using a DV tool, the depth may be adjusted as long as the cement is changed proportionally. *The operator shall set the DV tool at the base of the Salado instead of at the top of the Salado.* 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**.

❖ In Capitan Reef Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

❖ **Special Capitan Reef requirements.** If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:

- Switch to freshwater mud to protect the Capitan Reef and use freshwater mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
- Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

Note: The intermediate casing must be kept fluid-filled to meet BLM's minimum collapse design SF requirements.

3. The **7-5/8 inch,** 2nd intermediate casing shall be set at approximately **10,187 ft.** (KOP) The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage): Cement should tie-back at least **50 feet** above the Capitan Reef top **or 200 feet** into the previous casing, whichever is greater. Operator shall provide method of verification. 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**. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Capitan reef.

Option 2 (Two-Stage): Operator has proposed a DV tool(s), the depth may be adjusted as long as the cement is changed proportionally. The DV tool(s) may be cancelled if cement circulates to surface on the first stage.

a. First stage to DV tool(s): Cement to circulate. If cement does not circulate off the DV tool(s), contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool(s): Cement should tie-back at least **50 feet** above the Capitan Reef top **or 200 feet** into the previous casing, whichever is greater. Operator shall provide method of verification. 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**. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Capitan reef.

Note: The 2nd intermediate casing must be kept fluid-filled to meet BLM's minimum collapse design SF requirements.

4. Operator has proposed to set **5-1/2 inch** production casing at approximately **26,358 ft.** (10,840 ft. TVD). The minimum required fill of cement behind the **5-1/2 in.** production casing is:

- Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification. 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**.

Offline Cementing
Operator has been **(Approved)** to pump the proposed cement program offline in **Surface and Intermediate 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.

B. PRESSURE CONTROL

1. Variance approved to use **flex line** from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. The BOP/BOPE shall be pressure-tested in accordance with **title 43 CFR 3172.**

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.

d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in the **title 43 CFR 3172.6(b)(9)** must be followed.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

C. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- The operator will submit an as-drilled survey well plat of the well completion, including but not limited to those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

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 Inspection Staff:
Email blm_nm_cfo_drillingnotifications@blm.gov; The inspector on call phone, 575-361-2822, will remain active as a secondary contact for notifications; calls only, text messages are not accepted at this number.

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 08/19/2026

Drill Plan - Option B (4 string)

Phelps Fed Com 211H
SHL: 497' FSL & 1541' FWL Section 28
BHL: 110' FSL & 660' FWL Section 9
Township/Range: 24S 36E
Elevation Above Sea Level: 3280

Drilling Operation Plan - Option B

Matador requests the option to amend the well design of the Phelps Fed Com #211H and make the following changes to the current APD:
- Change the well target from 10,800' TVD to 10,840' TVD.
- Change the target formation from Wolfcamp A to Third Bone Spring.
- Change well SHL from 410' FSL & 1471' FWL Section 28 to 497' FSL & 1541' FWL Section 28.
- Change well BHL from 110' FSL & 660' FWL Section 9 to 110' FSL & 660' FWL Section 9. All perforations will be within setback requirements as previously approved.
- Modify casing set depths as shown on the casing and cement table.
- Change intermediate 1 casing size from 10-3/4" to 9-5/8" 40# J-55. Cement volumes will be adjusted accordingly.
- Change intermediate 2 casing from 7-5/8" to 7-5/8" 29.7# P-110 Flush. Cement volumes will be adjusted accordingly.

- Change intermediate 2 hole size from 9-7/8" to 8-3/4". Cement volumes will be adjusted accordingly.

Proposed Drilling Depth: 26358' MD / 10840' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.1810561 N / -103.2762415 W
TD Lat/Long (NAD83): 32.1379177 N / -103.2764577 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,515	1,515	601	Anhydrite	Barren
Salado	2,116	2,116	1,436	Salt	Barren
Base of Salt	3,557	3,552	806	Salt	Barren
Capitan	4,372	4,358	1,247	Limestone	Barren
Bell Canyon	5,632	5,605	790	Sandstone	Oil/Natural Gas
Cherry Canyon	6,430	6,395	504	Sandstone	Oil/Natural Gas
Brushy Canyon	6,938	6,899	928	Sandstone	Oil/Natural Gas
Bone Spring Lime	7,877	7,827	1,198	Limestone	Oil/Natural Gas
1st Bone Spring Sand	9,087	9,025	98	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	9,185	9,123	521	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,711	9,644	80	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	9,793	9,724	1,133	Carbonate	Oil/Natural Gas
KOP	**10,337**	**10,267**	**-**	**Carbonate**	**Oil/Natural Gas**
TD	**26,358**	**10,840**	**-**	**Carbonate**	**Oil/Natural Gas**
3rd Bone Spring Sand	-	10,857	-	Sandstone	Oil/Natural Gas

2. Notable Zones

Third Bone Spring 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 240

3. Pressure Control

Equipment

A 12,000' 5000-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 5M BOPE system will be installed. Test pressures will be 250 psi low and 5000 psi high with the annular preventer being tested to 250 psi low and 2500 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 5M 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 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 request the option to offline cement surface casing. The “Offline Cement Procedure - Surface Casing” is attached for review. No changes in cement program are necessary.

Matador request the option to offline cement intermediate casing. The “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 requests the option to utilize a spudder rig for setting surface casing string.

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	17.5	0 - 1585	0 - 1585	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	12.25	0 - 5682	0 - 5655	9.625	40	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	8.75	0 - 10187	0 - 10117	7.625	29.7	P-110	Flush	1.125	1.125	1.8
Production	6.75	0 - 26358	0 - 10840	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)
- 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.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole, cement volumes will be adjusted accordingly.

Option B Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	810	1.72	1393	13.5	50%	0	C	5% NaCl + LCM
	Tail	280	1.38	382	14.8	50%	1268	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1635'	Stg 2 Tail	360	1.78	650	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	1130	1.84	2086	12.5	35%	0	C	5% NaCl + LCM
	Stg 1 Tail	340	1.33	446	14.8	35%	4682	C	5% NaCl + LCM
Intermediate 2 w/ DV @ 5732'	Stg 2 Tail	380	1.78	685	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	360	3.66	1309	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Stg 1 Tail	110	1.38	150	13.2	35%	9187	A/C	5% NaCl + LCM
Production	Tail	1270	1.35	1712	13.2	25%	9987	A/C	Fluid Loss + Dispersant + Retarder

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 - 1585	8.4 - 8.8	28-30	NC
Intermediate 1	12.25	Brine	1585 - 5682	9.2 - 10	28-30	NC
Intermediate 2	8.75	Cut Brine	5682 - 10187	9 - 9.6	28-30	NC
Production	6.75	OBM/Cut Brine	10187 - 26358	9.5 - 10.5	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 5919 psi. Maximum anticipated surface pressure is 3534 psi. Expected bottom hole temperature is 174 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 - Option A (3 string)

Phelps Fed Com 211H
SHL: 497' FSL & 1541' FWL Section 28
BHL: 110' FSL & 660' FWL Section 9
Township/Range: 24S 36E
Elevation Above Sea Level: 3280

Drilling Operation Plan - Option A

Matador requests the option to amend the well design of the Phelps Fed Com #211H and make the following changes to the current APD:
- Change the well target from 10,800' TVD to 10,840' TVD.
- Change the target formation from Wolfcamp A to Third Bone Spring.
- Change well SHL from 410' FSL & 1471' FWL Section 28 to 497' FSL & 1541' FWL Section 28.
- Change well BHL from 110' FSL & 660' FWL Section 9 to 110' FSL & 660' FWL Section 9. All perforations will be within setback requirements as previously approved.
- Modify casing set depths as shown on the casing and cement table.
- Change intermediate 1 casing size from 7-5/8" to 9-5/8". Cement volumes will be adjusted accordingly.
- Change intermediate 1 hole size from 12-1/4" x 9-7/8" to 12-1/4". Cement volumes will be adjusted accordingly.
- Change production hole size from 6-3/4" to 8-3/4" x 6-3/4". Cement volumes will be adjusted accordingly.

Proposed Drilling Depth: 26358' MD / 10840' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.1810561 N / -103.2762415 W
TD Lat/Long (NAD83): 32.1379177 N / -103.2764577 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,515	1,515	601	Anhydrite	Barren
Salado	2,116	2,116	1,436	Salt	Barren
Base of Salt	3,557	3,552	806	Salt	Barren
Capitan	4,372	4,358	1,247	Limestone	Barren
Bell Canyon	5,632	5,605	790	Sandstone	Oil/Natural Gas
Cherry Canyon	6,430	6,395	504	Sandstone	Oil/Natural Gas
Brushy Canyon	6,938	6,899	928	Sandstone	Oil/Natural Gas
Bone Spring Lime	7,877	7,827	1,198	Limestone	Oil/Natural Gas
1st Bone Spring Sand	9,087	9,025	98	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	9,185	9,123	521	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,711	9,644	80	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	9,793	9,724	1,133	Carbonate	Oil/Natural Gas
KOP	**10,337**	**10,267**	**-**	**Carbonate**	**Oil/Natural Gas**
TD	**26,358**	**10,840**	**-**	**Carbonate**	**Oil/Natural Gas**
3rd Bone Spring Sand	-	10,857	-	Sandstone	Oil/Natural Gas

2. Notable Zones

Third Bone Spring 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 240

3. Pressure Control

Equipment
A 12,000' 5000-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 5M BOPE system will be installed. Test pressures will be 250 psi low and 5000 psi high with the annular preventer being tested to 250 psi low and 2500 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 5M 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 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 request the option to offline cement surface casing. The “Offline Cement Procedure - Surface Casing” is attached for review. No changes in cement program are necessary.

Matador request the option to offline cement intermediate casing. The “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 requests the option to utilize a spudder rig for setting surface casing string.

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	17.5	0 - 1585	0 - 1585	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate	12.25	0 - 5682	0 - 5655	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production Top	8.75	0 - 10187	0 - 10117	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8
Production Bottom	6.75	10187 - 26358	10117 - 10840	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)
- 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 the option to drill 7-7/8" production section. Cement volumes will be adjusted accordingly.
- Request the option to run 7" production casing from surface to KOP, then 5-1/2" production casing from KOP to TD. Cement volumes will be adjusted accordingly.
- Request the option to run 6" production casing from surface to KOP, then 5-1/2" production casing from KOP to TD. Cement volumes will be adjusted accordingly.

Variance Request

Matador request a variance to wave the centralizer requirement for 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.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole, cement volumes will be adjusted accordingly.

If wellbore conditions indicate the need for an additional intermediate casing string, Matador requests option to switch to Design B (4 string). No other changes in well design are required.

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	810	1.72	1393	13.5	50%	0	C	5% NaCl + LCM
	Tail	280	1.38	382	14.8	50%	1268	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1635'	Stg 2 Tail	360	1.78	650	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	1130	1.84	2086	12.5	35%	0	C	5% NaCl + LCM
	Stg 1 Tail	340	1.33	446	13.2	35%	4682	C	5% NaCl + LCM
Production	Lead	510	3.66	1850	12.5	25%	4322	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	1260	1.35	1704	13.2	25%	10137	A/C	Fluid Loss + Dispersant + Retarder

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 - 1585	8.4 - 8.8	28-30	NC
Intermediate 1	12.25	Brine	1585 - 5682	9.2 - 10	28-30	NC
Production	8.75 & 6.75	OBM/Cut Brine	5682 - 26358	9.5 - 10.5	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 5919 psi. Maximum anticipated surface pressure is 3534 psi. Expected bottom hole temperature is 174 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 B

Phelps Fed Com 211H
SHL: 497' FSL & 1541' FWL Section 28
BHL: 110' FSL & 660' FWL Section 9
Township/Range: 24S 36E
Elevation Above Sea Level: 3280

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 - 1585	0 - 1585	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	12.25	0 - 5682	0 - 5655	9.625	40	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	8.75	0 - 10187	0 - 10117	7.625	29.7	P-110	Flush	1.125	1.125	1.8
Production	6.75	0 - 26358	0 - 10840	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

Casing Table Specification Sheet - Option A

Phelps Fed Com 211H
SHL: 497' FSL & 1541' FWL Section 28
BHL: 110' FSL & 660' FWL Section 9
Township/Range: 24S 36E
Elevation Above Sea Level: 3280

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 - 1585	0 - 1585	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate	12.25	0 - 5682	0 - 5655	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production	8.75 & 6.75	0 - 26358	0 - 10840	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

Matador Production Company

Antelope Ridge
Phelps
Phelps Fed Com #211H

Wellbore #1
BLM Plan #1

Anticollision Summary Report

15 July, 2026

Anticollision Summary Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Project:	Antelope Ridge	**TVD Reference:**	KB @ 3308.5usft
Reference Site:	Phelps	**MD Reference:**	KB @ 3308.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference BLM Plan #1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 us	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 7/14/2026

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	26,358.0	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Anderson Laing						
Anderson Laing Fed Com #800H - Wellbore #1 - BLM Pl	7,849.7	7,846.4	60.5	2.3	1.040	Level 2, CC
Anderson Laing Fed Com #800H - Wellbore #1 - BLM Pl	7,900.0	7,903.8	61.0	2.2	1.038	Level 2, ES, SF
Anderson Laing Fed Com #809H - Wellbore #1 - BLM Pl	906.1	930.1	1,767.1	1,761.0	288.655	CC
Anderson Laing Fed Com #809H - Wellbore #1 - BLM Pl	1,000.0	1,017.7	1,767.2	1,760.4	261.057	ES
Anderson Laing Fed Com #809H - Wellbore #1 - BLM Pl	11,150.0	10,905.7	2,995.8	2,915.9	37.514	SF
Anderson Laing Fed Com #900H - Wellbore #1 - BLM Pl	1,000.0	1,000.0	35.0	28.3	5.211	CC
Anderson Laing Fed Com #900H - Wellbore #1 - BLM Pl	9,900.0	9,903.1	98.5	22.1	1.289	Level 3, ES, SF
Anderson Laing Fed Com #909H - Wellbore #1 - BLM Pl	3,166.6	3,304.2	1,852.9	1,829.8	80.191	CC
Anderson Laing Fed Com #909H - Wellbore #1 - BLM Pl	3,200.0	3,329.0	1,853.1	1,829.8	79.440	ES
Anderson Laing Fed Com #909H - Wellbore #1 - BLM Pl	11,050.0	10,865.3	2,655.4	2,576.6	33.704	SF
Copy of Uncle Richard						
Uncle Richard State Com #214H - Wellbore #1 - State P	15,850.3	10,783.6	1,320.0	1,179.5	9.396	CC
Uncle Richard State Com #214H - Wellbore #1 - State P	15,900.0	10,779.4	1,320.9	1,179.3	9.332	ES
Uncle Richard State Com #214H - Wellbore #1 - State P	16,000.0	10,772.7	1,328.4	1,185.0	9.267	SF
Davidson Slot 3						
Davidson Slot 4 - Wellbore #1 - Design #1	15,459.3	10,827.6	1,324.9	1,190.7	9.879	CC
Davidson Slot 4 - Wellbore #1 - Design #1	15,500.0	10,820.5	1,325.5	1,190.4	9.817	ES
Davidson Slot 4 - Wellbore #1 - Design #1	15,700.0	10,795.8	1,346.0	1,207.6	9.726	SF
Davidson Slot 4 - Wellbore #1 - Design #2	15,459.3	10,827.6	1,324.9	1,190.7	9.879	CC
Davidson Slot 4 - Wellbore #1 - Design #2	15,500.0	10,820.5	1,325.5	1,190.4	9.817	ES
Davidson Slot 4 - Wellbore #1 - Design #2	15,700.0	10,795.8	1,346.0	1,207.6	9.726	SF
Dogwood						
Dogwood 25 36 20 Fed Com #095H - Wellbore #1 - BLM	26,358.8	21,923.1	2,400.1	1,968.0	5.555	CC, ES, SF
Dogwood 25 36 20 Fed Com #114H - Wellbore #1 - BLM	26,358.8	19,967.8	2,134.4	1,766.7	5.804	CC, ES, SF
Dogwood 25 36 20 Fed Com #115H - Wellbore #1 - BLM	26,358.8	21,730.6	1,313.5	954.6	3.660	CC, ES, SF
Offset Wells in Antelope Ridge						
West Jal B Deep #001 - Wellbore #1 - Actual	26,358.8	10,687.0	2,494.6	2,116.3	6.594	CC, ES, SF

Anticollision Summary Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Project:	Antelope Ridge	**TVD Reference:**	KB @ 3308.5usft
Reference Site:	Phelps	**MD Reference:**	KB @ 3308.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Summary

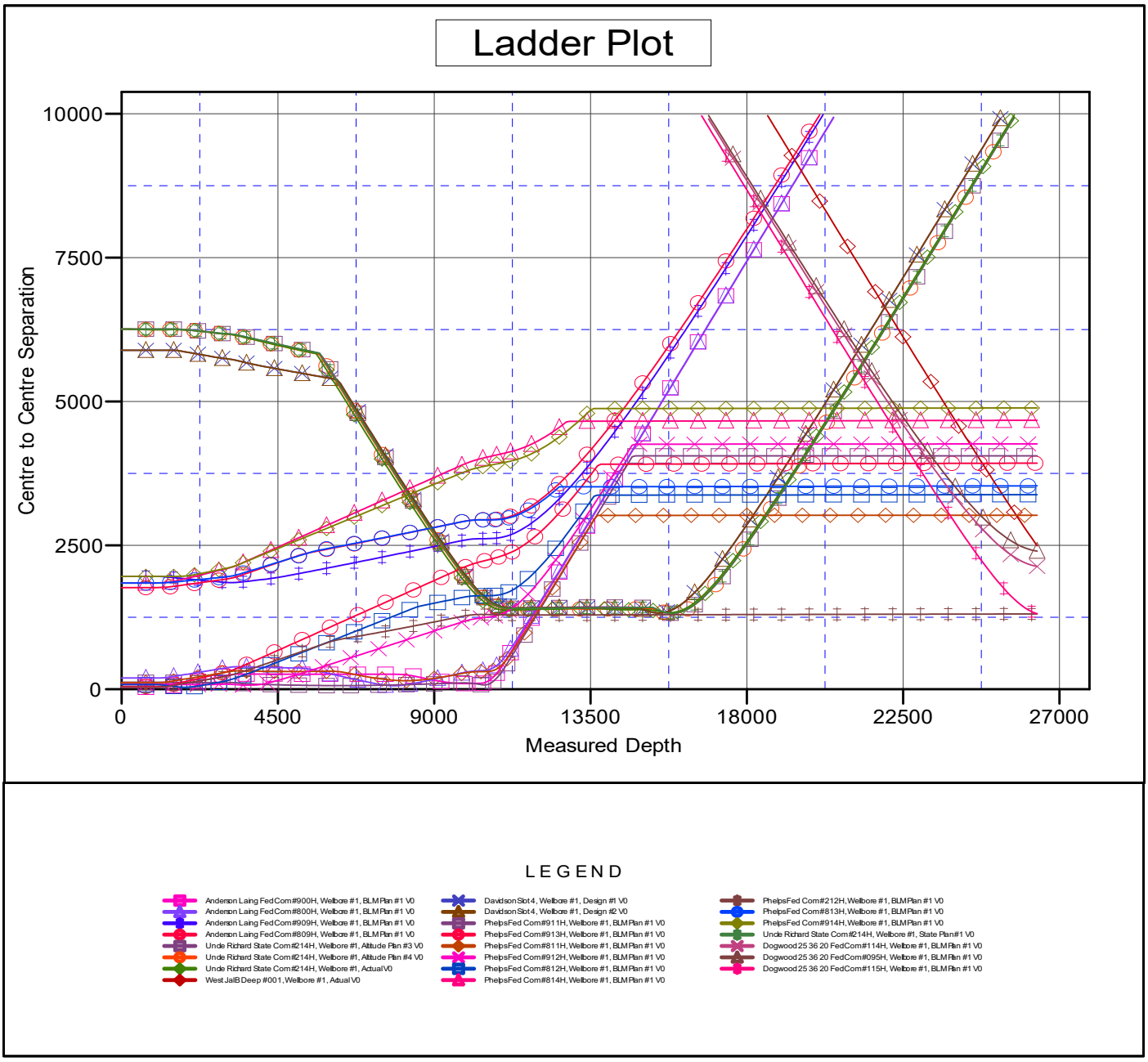
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Phelps						
Phelps Fed Com #212H - Wellbore #1 - BLM Plan #1	1,000.0	1,000.0	35.0	28.3	5.212	CC, ES
Phelps Fed Com #212H - Wellbore #1 - BLM Plan #1	26,358.8	26,329.7	1,309.1	767.4	2.417	SF
Phelps Fed Com #811H - Wellbore #1 - BLM Plan #1	1,000.0	1,003.0	115.1	108.4	17.125	CC
Phelps Fed Com #811H - Wellbore #1 - BLM Plan #1	8,200.0	8,202.0	148.7	87.1	2.415	ES
Phelps Fed Com #811H - Wellbore #1 - BLM Plan #1	8,300.0	8,303.0	149.7	87.2	2.397	SF
Phelps Fed Com #812H - Wellbore #1 - BLM Plan #1	1,827.2	1,832.5	34.6	22.0	2.748	CC, ES
Phelps Fed Com #812H - Wellbore #1 - BLM Plan #1	1,900.0	1,904.8	35.6	22.6	2.732	SF
Phelps Fed Com #813H - Wellbore #1 - BLM Plan #1	905.6	930.6	1,847.0	1,840.9	301.730	CC
Phelps Fed Com #813H - Wellbore #1 - BLM Plan #1	1,000.0	1,019.9	1,847.0	1,840.2	272.559	ES
Phelps Fed Com #813H - Wellbore #1 - BLM Plan #1	26,358.8	28,280.6	3,535.2	3,059.9	7.438	SF
Phelps Fed Com #814H - Wellbore #1 - BLM Plan #1	906.1	930.1	1,847.3	1,841.2	301.760	CC
Phelps Fed Com #814H - Wellbore #1 - BLM Plan #1	1,000.0	1,014.8	1,847.4	1,840.6	273.271	ES
Phelps Fed Com #814H - Wellbore #1 - BLM Plan #1	26,358.8	28,300.0	4,674.1	4,169.4	9.261	SF
Phelps Fed Com #911H - Wellbore #1 - BLM Plan #1	6,250.5	6,244.8	63.7	19.0	1.424	Level 3, CC
Phelps Fed Com #911H - Wellbore #1 - BLM Plan #1	10,450.0	10,441.2	75.6	1.4	1.019	Level 2, ES, SF
Phelps Fed Com #912H - Wellbore #1 - BLM Plan #1	3,565.4	3,562.5	71.7	46.8	2.885	CC
Phelps Fed Com #912H - Wellbore #1 - BLM Plan #1	3,600.0	3,596.7	71.8	46.8	2.864	ES
Phelps Fed Com #912H - Wellbore #1 - BLM Plan #1	3,800.0	3,798.5	74.2	47.7	2.805	SF
Phelps Fed Com #913H - Wellbore #1 - BLM Plan #1	1,000.0	1,000.0	49.5	42.8	7.379	CC, ES
Phelps Fed Com #913H - Wellbore #1 - BLM Plan #1	1,200.0	1,196.7	55.6	47.5	6.873	SF
Phelps Fed Com #914H - Wellbore #1 - BLM Plan #1	1,500.0	1,526.0	1,962.0	1,951.6	188.897	CC
Phelps Fed Com #914H - Wellbore #1 - BLM Plan #1	1,600.0	1,616.1	1,962.1	1,951.1	177.607	ES
Phelps Fed Com #914H - Wellbore #1 - BLM Plan #1	26,358.8	29,275.0	4,888.9	4,427.1	10.587	SF
Uncle Richard						
Uncle Richard State Com #214H - Wellbore #1 - Actual	15,781.5	10,826.9	1,331.7	1,192.3	9.552	CC
Uncle Richard State Com #214H - Wellbore #1 - Actual	15,800.0	10,823.1	1,331.8	1,192.0	9.526	ES
Uncle Richard State Com #214H - Wellbore #1 - Actual	16,000.0	10,792.1	1,348.3	1,205.2	9.419	SF
Uncle Richard State Com #214H - Wellbore #1 - Altitude	15,850.2	10,867.3	1,319.9	1,179.2	9.377	CC
Uncle Richard State Com #214H - Wellbore #1 - Altitude	15,900.0	10,863.0	1,320.8	1,179.0	9.313	ES
Uncle Richard State Com #214H - Wellbore #1 - Altitude	16,000.0	10,856.2	1,328.3	1,184.7	9.248	SF
Uncle Richard State Com #214H - Wellbore #1 - Altitude	15,300.0	15,300.0	1,396.2	1,197.3	7.021	SF
Uncle Richard State Com #214H - Wellbore #1 - Altitude	15,839.5	10,866.5	1,320.0	1,179.2	9.379	CC, ES

Anticollision Summary Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Project:	Antelope Ridge	**TVD Reference:**	KB @ 3308.5usft
Reference Site:	Phelps	**MD Reference:**	KB @ 3308.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3308.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Phelps Fed Com #211H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.56°



CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

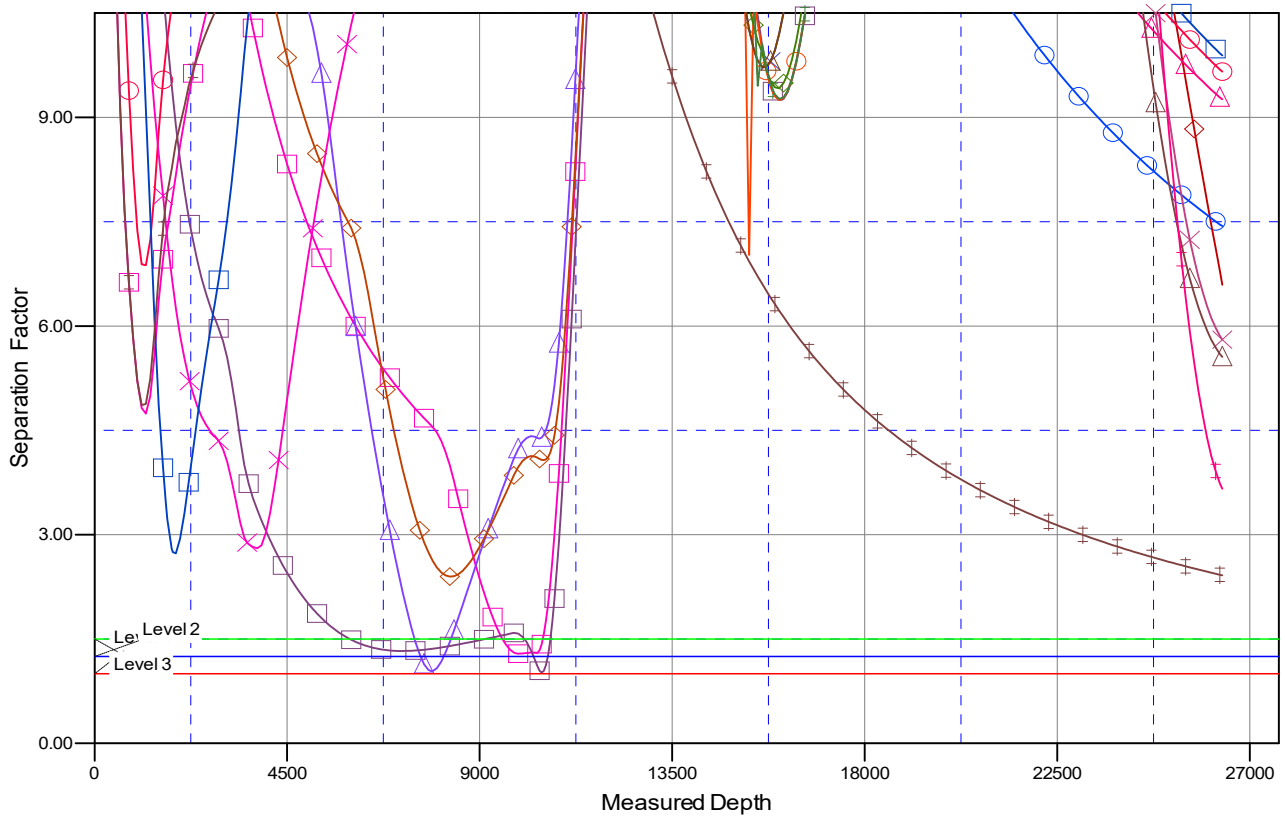
Anticollision Summary Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Project:	Antelope Ridge	**TVD Reference:**	KB @ 3308.5usft
Reference Site:	Phelps	**MD Reference:**	KB @ 3308.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3308.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Phelps Fed Com #211H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.56°

Separation Factor Plot



LEGEND

Anderson Laing FedCom#900H, Wellbore #1, BLM Plan #1 V0
Anderson Laing FedCom#800H, Wellbore #1, BLM Plan #1 V0
Anderson Laing FedCom#909H, Wellbore #1, BLM Plan #1 V0
Anderson Laing FedCom#809H, Wellbore #1, BLM Plan #1 V0
Unde Richard State Com#214H, Wellbore #1, Attitude Plan #3 V0
Unde Richard State Com#214H, Wellbore #1, Attitude Plan #4 V0
Unde Richard State Com#214H, Wellbore #1, Actual V0
West Jal B Deep #001, Wellbore #1, Adual V0
Davidson Slot 4, Wellbore #1, Design #1 V0
Davidson Slot 4, Wellbore #1, Design #2 V0
PhelpsFed Com#911H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#913H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#811H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#912H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#812H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#814H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#212H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#813H, Wellbore #1, BLM Plan #1 V0
PhelpsFed Com#914H, Wellbore #1, BLM Plan #1 V0
Unde Richard State Com#214H, Wellbore #1, State Plan #1 V0
Dogwood 25 36 20 FedCom#114H, Wellbore #1, BLM Plan #1 V0
Dogwood 25 36 20 FedCom#095H, Wellbore #1, BLM Plan #1 V0
Dogwood 25 36 20 FedCom#115H, Wellbore #1, BLM Plan #1 V0

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Received by OCD: 9/14/2026 1:09:02 PM

Company: Matador Production Company
Well: Phelps Fed Com #211H
County: Lea County, NM
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 7/15/2026

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 5.41°
To convert a Magnetic Direction to a True Direction, Add 5.98° East
To convert a True Direction to a Grid Direction, Subtract 0.56°

T G M

Azimuths to Grid North
True North: -0.56°
Magnetic North: 5.41°

Magnetic Field
Strength: 47169.6snT
Dip Angle: 59.96°
Date: 12/31/2024
Model: IGRF2015

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.0	26358.0	BLM Plan #1 (Wellbore #1)	MWD

WELL DETAILS: Phelps Fed Com #211H

GL @ 3280.0 KB @ 3308.5usft

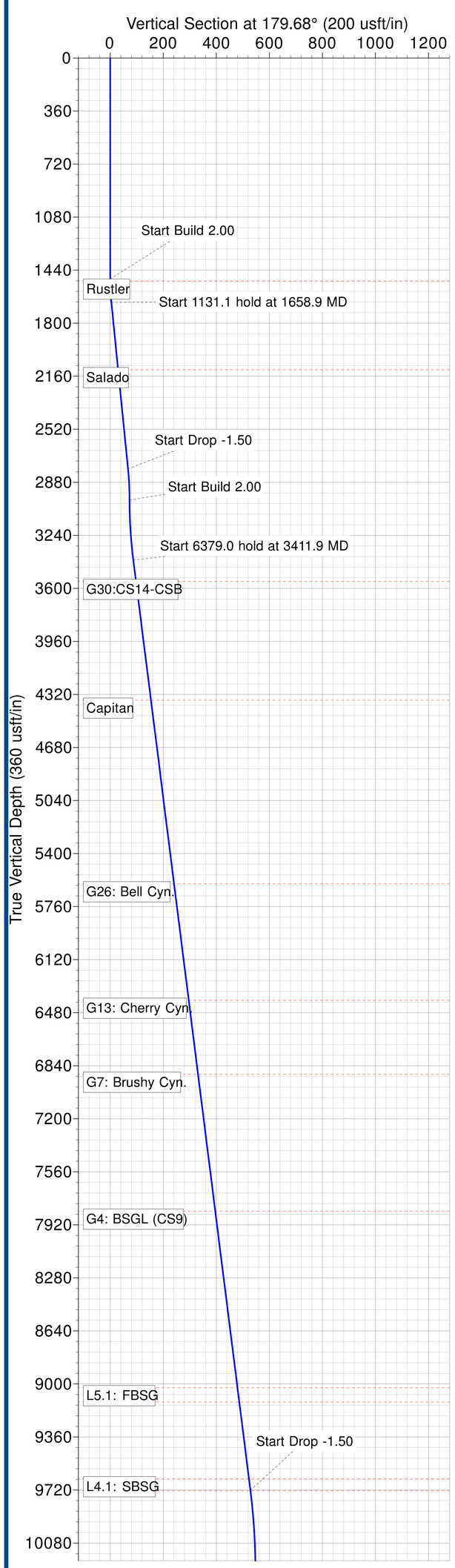
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	431703.24	828042.50	32° 10' 56.729 N	103° 16' 22.927 W	

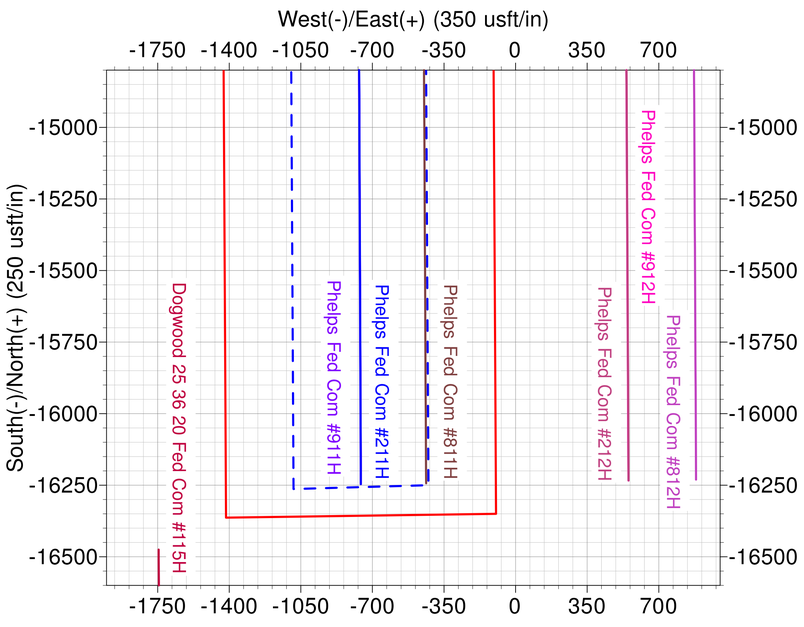
DESIGN TARGET DETAILS

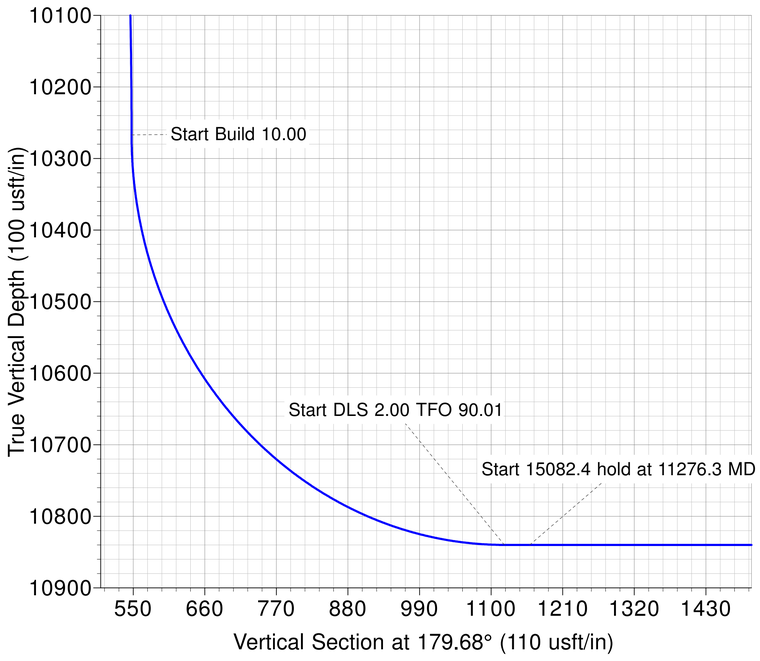
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP - Phelps Fed Com #211H	10267.0	-552.2	-852.5	431151.00	827190.00	32° 10' 51.348 N	103° 16' 32.908 W
BHL - Phelps Fed Com #211H	10840.0	-16246.2	-756.5	415457.00	827286.00	32° 8' 16.049 N	103° 16' 33.585 W
BPP1 - Phelps Fed Com #211H	10840.0	-5787.0	-815.1	425916.24	827227.39	32° 9' 59.547 N	103° 16' 33.072 W
FTP - Phelps Fed Com #211H	10500.6	-602.0	-851.5	431101.24	827190.96	32° 10' 50.855 N	103° 16' 32.903 W

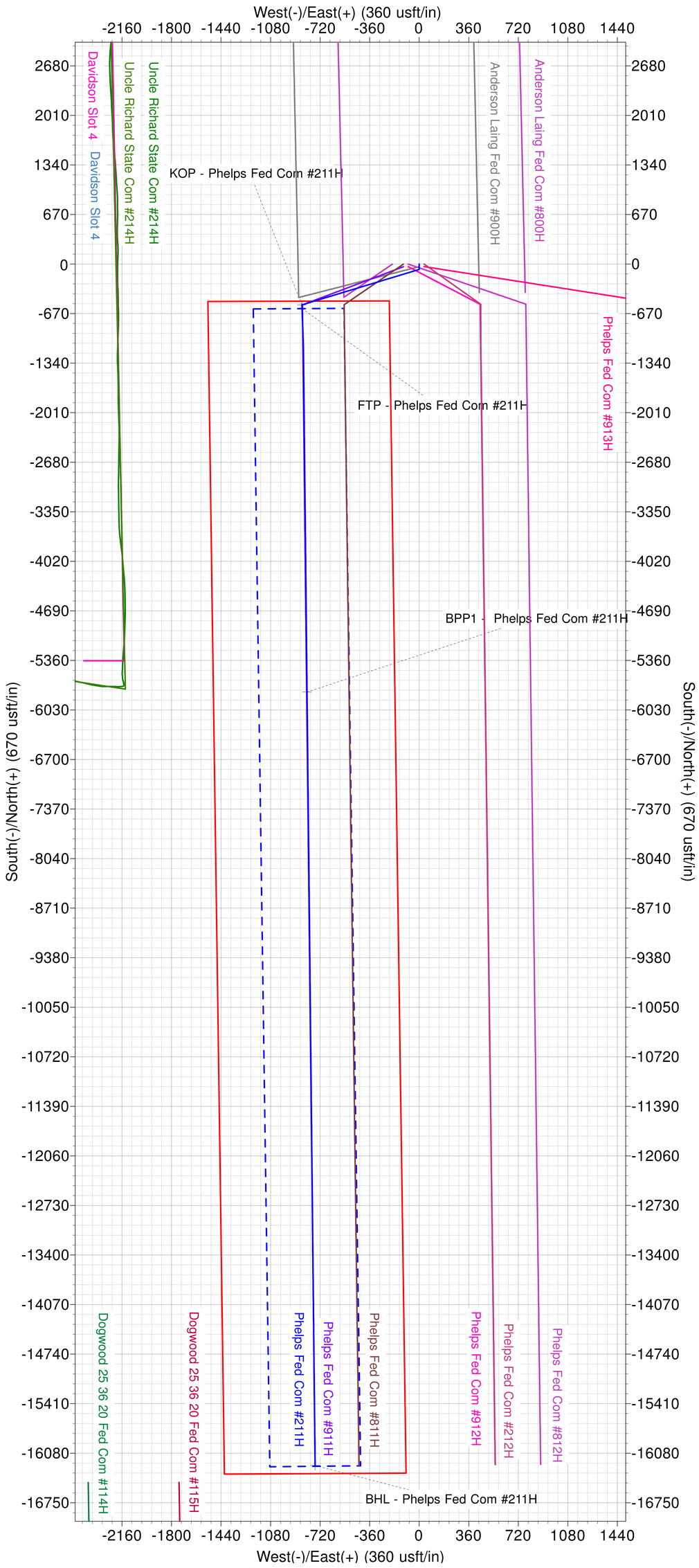
SECTION DETAILS

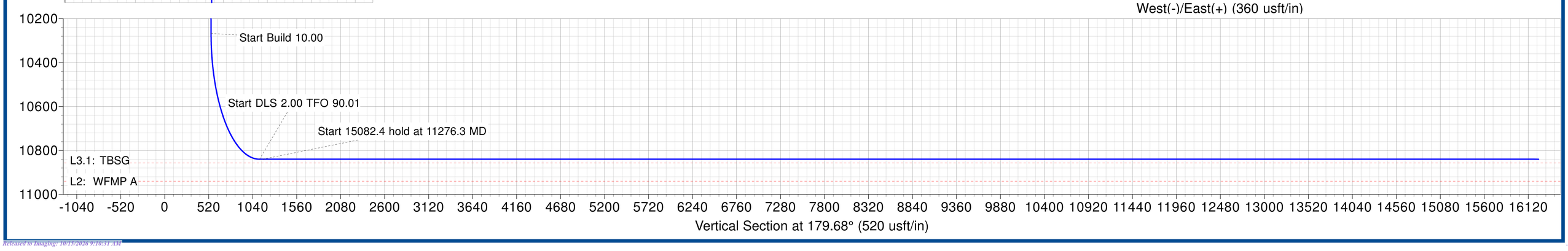
MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
1658.9	3.18	180.00	1658.8	-4.4	0.0	2.00	180.00	4.4	Start 1131.1 hold at 1658.9 MD
2790.0	3.18	180.00	2788.2	-67.1	0.0	0.00	0.00	67.1	Start Drop -1.50
3001.9	0.00	0.00	3000.0	-73.0	0.0	1.50	180.00	73.0	Start Build 2.00
3411.9	8.20	240.66	3408.5	-87.3	-25.5	2.00	240.66	87.2	Start 6379.0 hold at 3411.9 MD
9790.8	8.20	240.66	9722.3	-533.1	-818.5	0.00	0.00	528.5	Start Drop -1.50
10337.4	0.00	0.00	10267.0	-552.2	-852.5	1.50	180.00	547.5	Start Build 10.00
11237.4	90.00	178.90	10840.0	-1125.1	-841.5	10.00	178.90	1120.4	Start DLS 2.00 TFO 90.01
11276.3	90.00	179.68	10840.0	-1164.0	-841.0	2.00	90.01	1159.3	Start 15082.4 hold at 11276.3 MD
26358.8	90.00	179.68	10840.0	-16246.2	-756.5	0.00	0.00	16241.8	TD at 26358.8











Released to Imaging: 10/15/2026 9:10:31 AM

Matador Production Company

Antelope Ridge
Phelps
Phelps Fed Com #211H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

15 July, 2026

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Project Antelope Ridge

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Phelps

Site Position:		**Northing:**	431,615.42 usft	**Latitude:**	32° 10' 55.867 N
From:	Lat/Long	**Easting:**	827,973.13 usft	**Longitude:**	103° 16' 23.744 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.56 °

Well Phelps Fed Com #211H

Well Position	**+N/-S**	87.8 usft	**Northing:**	431,703.24 usft	**Latitude:**	32° 10' 56.729 N
	+E/-W	69.4 usft	**Easting:**	828,042.50 usft	**Longitude:**	103° 16' 22.927 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,280.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	5.98	59.96	47,169.57631441

Design BLM Plan #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.68

Plan Survey Tool Program **Date** 7/14/2026

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	26,358.0	BLM Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,658.9	3.18	180.00	1,658.8	-4.4	0.0	2.00	2.00	0.00	180.00	
2,790.0	3.18	180.00	2,788.2	-67.1	0.0	0.00	0.00	0.00	0.00	
3,001.9	0.00	0.00	3,000.0	-73.0	0.0	1.50	-1.50	0.00	180.00	
3,411.9	8.20	240.66	3,408.5	-87.3	-25.5	2.00	2.00	0.00	240.66	
9,790.8	8.20	240.66	9,722.3	-533.1	-818.5	0.00	0.00	0.00	0.00	
10,337.4	0.00	0.00	10,267.0	-552.2	-852.5	1.50	-1.50	0.00	180.00	KOP - Phelps Fed C
11,237.4	90.00	178.90	10,840.0	-1,125.1	-841.5	10.00	10.00	0.00	178.90	
11,276.3	90.00	179.68	10,840.0	-1,164.0	-841.0	2.00	0.00	2.00	90.01	
26,358.8	90.00	179.68	10,840.0	-16,246.2	-756.5	0.00	0.00	0.00	0.00	BHL - Phelps Fed C

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,515.0	0.30	180.00	1,515.0	0.0	0.0	0.0	2.00	2.00	0.00
Rustler									
1,600.0	2.00	180.00	1,600.0	-1.7	0.0	1.7	2.00	2.00	0.00
1,658.9	3.18	180.00	1,658.8	-4.4	0.0	4.4	2.00	2.00	0.00
Start 1131.1 hold at 1658.9 MD									
1,700.0	3.18	180.00	1,699.9	-6.7	0.0	6.7	0.00	0.00	0.00
1,800.0	3.18	180.00	1,799.7	-12.2	0.0	12.2	0.00	0.00	0.00
1,900.0	3.18	180.00	1,899.5	-17.8	0.0	17.8	0.00	0.00	0.00
2,000.0	3.18	180.00	1,999.4	-23.3	0.0	23.3	0.00	0.00	0.00
2,100.0	3.18	180.00	2,099.2	-28.9	0.0	28.9	0.00	0.00	0.00
2,116.8	3.18	180.00	2,116.0	-29.8	0.0	29.8	0.00	0.00	0.00
Salado									
2,200.0	3.18	180.00	2,199.1	-34.4	0.0	34.4	0.00	0.00	0.00
2,300.0	3.18	180.00	2,298.9	-40.0	0.0	40.0	0.00	0.00	0.00
2,400.0	3.18	180.00	2,398.8	-45.5	0.0	45.5	0.00	0.00	0.00
2,500.0	3.18	180.00	2,498.6	-51.0	0.0	51.0	0.00	0.00	0.00
2,600.0	3.18	180.00	2,598.5	-56.6	0.0	56.6	0.00	0.00	0.00
2,700.0	3.18	180.00	2,698.3	-62.1	0.0	62.1	0.00	0.00	0.00
2,790.0	3.18	180.00	2,788.2	-67.1	0.0	67.1	0.00	0.00	0.00
Start Drop -1.50									
2,800.0	3.03	180.00	2,798.2	-67.7	0.0	67.7	1.50	-1.50	0.00
2,900.0	1.53	180.00	2,898.1	-71.6	0.0	71.6	1.50	-1.50	0.00
3,000.0	0.03	180.00	2,998.1	-73.0	0.0	73.0	1.50	-1.50	0.00
3,001.9	0.00	0.00	3,000.0	-73.0	0.0	73.0	1.50	-1.50	0.00
Start Build 2.00									
3,100.0	1.96	240.66	3,098.1	-73.8	-1.5	73.8	2.00	2.00	0.00
3,200.0	3.96	240.66	3,197.9	-76.4	-6.0	76.3	2.00	2.00	0.00
3,300.0	5.96	240.66	3,297.5	-80.6	-13.5	80.5	2.00	2.00	0.00
3,400.0	7.96	240.66	3,396.8	-86.5	-24.1	86.4	2.00	2.00	0.00
3,411.9	8.20	240.66	3,408.5	-87.3	-25.5	87.2	2.00	2.00	0.00
Start 6379.0 hold at 3411.9 MD									
3,500.0	8.20	240.66	3,495.8	-93.5	-36.5	93.3	0.00	0.00	0.00
3,557.8	8.20	240.66	3,553.0	-97.5	-43.7	97.3	0.00	0.00	0.00
G30:CS14-CSB									
3,600.0	8.20	240.66	3,594.7	-100.5	-48.9	100.2	0.00	0.00	0.00
3,700.0	8.20	240.66	3,693.7	-107.5	-61.3	107.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,800.0	8.20	240.66	3,792.7	-114.5	-73.8	114.1	0.00	0.00	0.00
3,900.0	8.20	240.66	3,891.7	-121.5	-86.2	121.0	0.00	0.00	0.00
4,000.0	8.20	240.66	3,990.7	-128.4	-98.6	127.9	0.00	0.00	0.00
4,100.0	8.20	240.66	4,089.6	-135.4	-111.1	134.8	0.00	0.00	0.00
4,200.0	8.20	240.66	4,188.6	-142.4	-123.5	141.7	0.00	0.00	0.00
4,300.0	8.20	240.66	4,287.6	-149.4	-135.9	148.7	0.00	0.00	0.00
4,372.1	8.20	240.66	4,359.0	-154.5	-144.9	153.6	0.00	0.00	0.00
Capitan									
4,400.0	8.20	240.66	4,386.6	-156.4	-148.4	155.6	0.00	0.00	0.00
4,500.0	8.20	240.66	4,485.6	-163.4	-160.8	162.5	0.00	0.00	0.00
4,600.0	8.20	240.66	4,584.5	-170.4	-173.2	169.4	0.00	0.00	0.00
4,700.0	8.20	240.66	4,683.5	-177.4	-185.6	176.3	0.00	0.00	0.00
4,800.0	8.20	240.66	4,782.5	-184.4	-198.1	183.2	0.00	0.00	0.00
4,900.0	8.20	240.66	4,881.5	-191.3	-210.5	190.2	0.00	0.00	0.00
5,000.0	8.20	240.66	4,980.4	-198.3	-222.9	197.1	0.00	0.00	0.00
5,100.0	8.20	240.66	5,079.4	-205.3	-235.4	204.0	0.00	0.00	0.00
5,200.0	8.20	240.66	5,178.4	-212.3	-247.8	210.9	0.00	0.00	0.00
5,300.0	8.20	240.66	5,277.4	-219.3	-260.2	217.8	0.00	0.00	0.00
5,400.0	8.20	240.66	5,376.4	-226.3	-272.7	224.8	0.00	0.00	0.00
5,500.0	8.20	240.66	5,475.3	-233.3	-285.1	231.7	0.00	0.00	0.00
5,600.0	8.20	240.66	5,574.3	-240.3	-297.5	238.6	0.00	0.00	0.00
5,632.0	8.20	240.66	5,606.0	-242.5	-301.5	240.8	0.00	0.00	0.00
G26: Bell Cyn.									
5,700.0	8.20	240.66	5,673.3	-247.2	-310.0	245.5	0.00	0.00	0.00
5,800.0	8.20	240.66	5,772.3	-254.2	-322.4	252.4	0.00	0.00	0.00
5,900.0	8.20	240.66	5,871.2	-261.2	-334.8	259.3	0.00	0.00	0.00
6,000.0	8.20	240.66	5,970.2	-268.2	-347.2	266.3	0.00	0.00	0.00
6,100.0	8.20	240.66	6,069.2	-275.2	-359.7	273.2	0.00	0.00	0.00
6,200.0	8.20	240.66	6,168.2	-282.2	-372.1	280.1	0.00	0.00	0.00
6,300.0	8.20	240.66	6,267.2	-289.2	-384.5	287.0	0.00	0.00	0.00
6,400.0	8.20	240.66	6,366.1	-296.2	-397.0	293.9	0.00	0.00	0.00
6,430.2	8.20	240.66	6,396.0	-298.3	-400.7	296.0	0.00	0.00	0.00
G13: Cherry Cyn.									
6,500.0	8.20	240.66	6,465.1	-303.1	-409.4	300.9	0.00	0.00	0.00
6,600.0	8.20	240.66	6,564.1	-310.1	-421.8	307.8	0.00	0.00	0.00
6,700.0	8.20	240.66	6,663.1	-317.1	-434.3	314.7	0.00	0.00	0.00
6,800.0	8.20	240.66	6,762.0	-324.1	-446.7	321.6	0.00	0.00	0.00
6,900.0	8.20	240.66	6,861.0	-331.1	-459.1	328.5	0.00	0.00	0.00
6,938.4	8.20	240.66	6,899.0	-333.8	-463.9	331.2	0.00	0.00	0.00
G7: Brushy Cyn.									
7,000.0	8.20	240.66	6,960.0	-338.1	-471.6	335.5	0.00	0.00	0.00
7,100.0	8.20	240.66	7,059.0	-345.1	-484.0	342.4	0.00	0.00	0.00
7,200.0	8.20	240.66	7,158.0	-352.1	-496.4	349.3	0.00	0.00	0.00
7,300.0	8.20	240.66	7,256.9	-359.1	-508.8	356.2	0.00	0.00	0.00
7,400.0	8.20	240.66	7,355.9	-366.0	-521.3	363.1	0.00	0.00	0.00
7,500.0	8.20	240.66	7,454.9	-373.0	-533.7	370.0	0.00	0.00	0.00
7,600.0	8.20	240.66	7,553.9	-380.0	-546.1	377.0	0.00	0.00	0.00
7,700.0	8.20	240.66	7,652.8	-387.0	-558.6	383.9	0.00	0.00	0.00
7,800.0	8.20	240.66	7,751.8	-394.0	-571.0	390.8	0.00	0.00	0.00
7,877.0	8.20	240.66	7,828.0	-399.4	-580.6	396.1	0.00	0.00	0.00
G4: BSGL (CS9)									
7,900.0	8.20	240.66	7,850.8	-401.0	-583.4	397.7	0.00	0.00	0.00
8,000.0	8.20	240.66	7,949.8	-408.0	-595.9	404.6	0.00	0.00	0.00
8,100.0	8.20	240.66	8,048.8	-415.0	-608.3	411.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,200.0	8.20	240.66	8,147.7	-421.9	-620.7	418.5	0.00	0.00	0.00
8,300.0	8.20	240.66	8,246.7	-428.9	-633.2	425.4	0.00	0.00	0.00
8,400.0	8.20	240.66	8,345.7	-435.9	-645.6	432.3	0.00	0.00	0.00
8,500.0	8.20	240.66	8,444.7	-442.9	-658.0	439.2	0.00	0.00	0.00
8,600.0	8.20	240.66	8,543.6	-449.9	-670.4	446.1	0.00	0.00	0.00
8,700.0	8.20	240.66	8,642.6	-456.9	-682.9	453.1	0.00	0.00	0.00
8,800.0	8.20	240.66	8,741.6	-463.9	-695.3	460.0	0.00	0.00	0.00
8,900.0	8.20	240.66	8,840.6	-470.9	-707.7	466.9	0.00	0.00	0.00
9,000.0	8.20	240.66	8,939.6	-477.8	-720.2	473.8	0.00	0.00	0.00
9,087.3	8.20	240.66	9,026.0	-484.0	-731.0	479.9	0.00	0.00	0.00
L5.1: FBSG									
9,100.0	8.20	240.66	9,038.5	-484.8	-732.6	480.7	0.00	0.00	0.00
9,185.3	8.20	240.66	9,123.0	-490.8	-743.2	486.6	0.00	0.00	0.00
L4.3: SBSC									
9,200.0	8.20	240.66	9,137.5	-491.8	-745.0	487.7	0.00	0.00	0.00
9,300.0	8.20	240.66	9,236.5	-498.8	-757.5	494.6	0.00	0.00	0.00
9,400.0	8.20	240.66	9,335.5	-505.8	-769.9	501.5	0.00	0.00	0.00
9,500.0	8.20	240.66	9,434.5	-512.8	-782.3	508.4	0.00	0.00	0.00
9,600.0	8.20	240.66	9,533.4	-519.8	-794.8	515.3	0.00	0.00	0.00
9,700.0	8.20	240.66	9,632.4	-526.8	-807.2	522.3	0.00	0.00	0.00
9,711.7	8.20	240.66	9,644.0	-527.6	-808.6	523.1	0.00	0.00	0.00
L4.1: SBSG									
9,790.8	8.20	240.66	9,722.3	-533.1	-818.5	528.5	0.00	0.00	0.00
Start Drop -1.50									
9,793.5	8.16	240.66	9,725.0	-533.3	-818.8	528.7	1.50	-1.50	0.00
L3.3: TBSC									
9,800.0	8.06	240.66	9,731.4	-533.7	-819.6	529.2	1.50	-1.50	0.00
9,900.0	6.56	240.66	9,830.6	-540.0	-830.7	535.3	1.50	-1.50	0.00
10,000.0	5.06	240.66	9,930.1	-544.9	-839.5	540.2	1.50	-1.50	0.00
10,100.0	3.56	240.66	10,029.8	-548.6	-846.1	543.9	1.50	-1.50	0.00
10,200.0	2.06	240.66	10,129.6	-551.0	-850.4	546.3	1.50	-1.50	0.00
10,300.0	0.56	240.66	10,229.6	-552.1	-852.3	547.4	1.50	-1.50	0.00
10,337.4	0.00	0.00	10,267.0	-552.2	-852.5	547.5	1.50	-1.50	0.00
Start Build 10.00 - KOP - Phelps Fed Com #211H									
10,400.0	6.26	178.90	10,329.5	-555.7	-852.4	550.9	10.00	10.00	0.00
10,500.0	16.26	178.90	10,427.4	-575.2	-852.1	570.4	10.00	10.00	0.00
10,578.0	24.06	178.90	10,500.6	-602.0	-851.5	597.2	10.00	10.00	0.00
FTP - Phelps Fed Com #211H									
10,600.0	26.26	178.90	10,520.5	-611.4	-851.4	606.6	10.00	10.00	0.00
10,700.0	36.26	178.90	10,605.9	-663.2	-850.4	658.4	10.00	10.00	0.00
10,800.0	46.26	178.90	10,681.0	-729.0	-849.1	724.3	10.00	10.00	0.00
10,900.0	56.26	178.90	10,743.5	-806.9	-847.6	802.2	10.00	10.00	0.00
11,000.0	66.26	178.90	10,791.5	-894.5	-845.9	889.7	10.00	10.00	0.00
11,100.0	76.26	178.90	10,823.6	-989.0	-844.1	984.3	10.00	10.00	0.00
11,200.0	86.26	178.90	10,838.7	-1,087.7	-842.2	1,083.0	10.00	10.00	0.00
11,237.4	90.00	178.90	10,840.0	-1,125.1	-841.5	1,120.4	10.00	10.00	0.00
Start DLS 2.00 TFO 90.01									
11,276.3	90.00	179.68	10,840.0	-1,164.0	-841.0	1,159.3	2.00	0.00	2.00
Start 15082.4 hold at 11276.3 MD									
11,300.0	90.00	179.68	10,840.0	-1,187.7	-840.9	1,183.0	0.00	0.00	0.00
11,400.0	90.00	179.68	10,840.0	-1,287.7	-840.3	1,283.0	0.00	0.00	0.00
11,500.0	90.00	179.68	10,840.0	-1,387.7	-839.8	1,383.0	0.00	0.00	0.00
11,600.0	90.00	179.68	10,840.0	-1,487.7	-839.2	1,483.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,700.0	90.00	179.68	10,840.0	-1,587.7	-838.6	1,583.0	0.00	0.00	0.00
11,800.0	90.00	179.68	10,840.0	-1,687.7	-838.1	1,683.0	0.00	0.00	0.00
11,900.0	90.00	179.68	10,840.0	-1,787.7	-837.5	1,783.0	0.00	0.00	0.00
12,000.0	90.00	179.68	10,840.0	-1,887.7	-837.0	1,883.0	0.00	0.00	0.00
12,100.0	90.00	179.68	10,840.0	-1,987.7	-836.4	1,983.0	0.00	0.00	0.00
12,200.0	90.00	179.68	10,840.0	-2,087.7	-835.8	2,083.0	0.00	0.00	0.00
12,300.0	90.00	179.68	10,840.0	-2,187.7	-835.3	2,183.0	0.00	0.00	0.00
12,400.0	90.00	179.68	10,840.0	-2,287.7	-834.7	2,283.0	0.00	0.00	0.00
12,500.0	90.00	179.68	10,840.0	-2,387.7	-834.2	2,383.0	0.00	0.00	0.00
12,600.0	90.00	179.68	10,840.0	-2,487.7	-833.6	2,483.0	0.00	0.00	0.00
12,700.0	90.00	179.68	10,840.0	-2,587.7	-833.0	2,583.0	0.00	0.00	0.00
12,800.0	90.00	179.68	10,840.0	-2,687.7	-832.5	2,683.0	0.00	0.00	0.00
12,900.0	90.00	179.68	10,840.0	-2,787.7	-831.9	2,783.0	0.00	0.00	0.00
13,000.0	90.00	179.68	10,840.0	-2,887.7	-831.4	2,883.0	0.00	0.00	0.00
13,100.0	90.00	179.68	10,840.0	-2,987.7	-830.8	2,983.0	0.00	0.00	0.00
13,200.0	90.00	179.68	10,840.0	-3,087.7	-830.2	3,083.0	0.00	0.00	0.00
13,300.0	90.00	179.68	10,840.0	-3,187.7	-829.7	3,183.0	0.00	0.00	0.00
13,400.0	90.00	179.68	10,840.0	-3,287.7	-829.1	3,283.0	0.00	0.00	0.00
13,500.0	90.00	179.68	10,840.0	-3,387.7	-828.6	3,383.0	0.00	0.00	0.00
13,600.0	90.00	179.68	10,840.0	-3,487.7	-828.0	3,483.0	0.00	0.00	0.00
13,700.0	90.00	179.68	10,840.0	-3,587.7	-827.4	3,583.0	0.00	0.00	0.00
13,800.0	90.00	179.68	10,840.0	-3,687.7	-826.9	3,683.0	0.00	0.00	0.00
13,900.0	90.00	179.68	10,840.0	-3,787.7	-826.3	3,783.0	0.00	0.00	0.00
14,000.0	90.00	179.68	10,840.0	-3,887.7	-825.8	3,883.0	0.00	0.00	0.00
14,100.0	90.00	179.68	10,840.0	-3,987.7	-825.2	3,983.0	0.00	0.00	0.00
14,200.0	90.00	179.68	10,840.0	-4,087.7	-824.6	4,083.0	0.00	0.00	0.00
14,300.0	90.00	179.68	10,840.0	-4,187.7	-824.1	4,183.0	0.00	0.00	0.00
14,400.0	90.00	179.68	10,840.0	-4,287.7	-823.5	4,283.0	0.00	0.00	0.00
14,500.0	90.00	179.68	10,840.0	-4,387.7	-823.0	4,383.0	0.00	0.00	0.00
14,600.0	90.00	179.68	10,840.0	-4,487.7	-822.4	4,483.0	0.00	0.00	0.00
14,700.0	90.00	179.68	10,840.0	-4,587.7	-821.8	4,583.0	0.00	0.00	0.00
14,800.0	90.00	179.68	10,840.0	-4,687.6	-821.3	4,683.0	0.00	0.00	0.00
14,900.0	90.00	179.68	10,840.0	-4,787.6	-820.7	4,783.0	0.00	0.00	0.00
15,000.0	90.00	179.68	10,840.0	-4,887.6	-820.2	4,883.0	0.00	0.00	0.00
15,100.0	90.00	179.68	10,840.0	-4,987.6	-819.6	4,983.0	0.00	0.00	0.00
15,200.0	90.00	179.68	10,840.0	-5,087.6	-819.0	5,083.0	0.00	0.00	0.00
15,300.0	90.00	179.68	10,840.0	-5,187.6	-818.5	5,183.0	0.00	0.00	0.00
15,400.0	90.00	179.68	10,840.0	-5,287.6	-817.9	5,283.0	0.00	0.00	0.00
15,500.0	90.00	179.68	10,840.0	-5,387.6	-817.4	5,383.0	0.00	0.00	0.00
15,600.0	90.00	179.68	10,840.0	-5,487.6	-816.8	5,483.0	0.00	0.00	0.00
15,700.0	90.00	179.68	10,840.0	-5,587.6	-816.2	5,583.0	0.00	0.00	0.00
15,800.0	90.00	179.68	10,840.0	-5,687.6	-815.7	5,683.0	0.00	0.00	0.00
15,899.4	90.00	179.68	10,840.0	-5,787.0	-815.1	5,782.4	0.00	0.00	0.00
BPP1 - Phelps Fed Com #211H									
15,900.0	90.00	179.68	10,840.0	-5,787.6	-815.1	5,783.0	0.00	0.00	0.00
16,000.0	90.00	179.68	10,840.0	-5,887.6	-814.6	5,883.0	0.00	0.00	0.00
16,100.0	90.00	179.68	10,840.0	-5,987.6	-814.0	5,983.0	0.00	0.00	0.00
16,200.0	90.00	179.68	10,840.0	-6,087.6	-813.4	6,083.0	0.00	0.00	0.00
16,300.0	90.00	179.68	10,840.0	-6,187.6	-812.9	6,183.0	0.00	0.00	0.00
16,400.0	90.00	179.68	10,840.0	-6,287.6	-812.3	6,283.0	0.00	0.00	0.00
16,500.0	90.00	179.68	10,840.0	-6,387.6	-811.8	6,383.0	0.00	0.00	0.00
16,600.0	90.00	179.68	10,840.0	-6,487.6	-811.2	6,483.0	0.00	0.00	0.00
16,700.0	90.00	179.68	10,840.0	-6,587.6	-810.6	6,583.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,800.0	90.00	179.68	10,840.0	-6,687.6	-810.1	6,683.0	0.00	0.00	0.00
16,900.0	90.00	179.68	10,840.0	-6,787.6	-809.5	6,783.0	0.00	0.00	0.00
17,000.0	90.00	179.68	10,840.0	-6,887.6	-808.9	6,883.0	0.00	0.00	0.00
17,100.0	90.00	179.68	10,840.0	-6,987.6	-808.4	6,983.0	0.00	0.00	0.00
17,200.0	90.00	179.68	10,840.0	-7,087.6	-807.8	7,083.0	0.00	0.00	0.00
17,300.0	90.00	179.68	10,840.0	-7,187.6	-807.3	7,183.0	0.00	0.00	0.00
17,400.0	90.00	179.68	10,840.0	-7,287.6	-806.7	7,283.0	0.00	0.00	0.00
17,500.0	90.00	179.68	10,840.0	-7,387.6	-806.1	7,383.0	0.00	0.00	0.00
17,600.0	90.00	179.68	10,840.0	-7,487.6	-805.6	7,483.0	0.00	0.00	0.00
17,700.0	90.00	179.68	10,840.0	-7,587.6	-805.0	7,583.0	0.00	0.00	0.00
17,800.0	90.00	179.68	10,840.0	-7,687.6	-804.5	7,683.0	0.00	0.00	0.00
17,900.0	90.00	179.68	10,840.0	-7,787.6	-803.9	7,783.0	0.00	0.00	0.00
18,000.0	90.00	179.68	10,840.0	-7,887.6	-803.3	7,883.0	0.00	0.00	0.00
18,100.0	90.00	179.68	10,840.0	-7,987.6	-802.8	7,983.0	0.00	0.00	0.00
18,200.0	90.00	179.68	10,840.0	-8,087.6	-802.2	8,083.0	0.00	0.00	0.00
18,300.0	90.00	179.68	10,840.0	-8,187.6	-801.7	8,183.0	0.00	0.00	0.00
18,400.0	90.00	179.68	10,840.0	-8,287.6	-801.1	8,283.0	0.00	0.00	0.00
18,500.0	90.00	179.68	10,840.0	-8,387.6	-800.5	8,383.0	0.00	0.00	0.00
18,600.0	90.00	179.68	10,840.0	-8,487.6	-800.0	8,483.0	0.00	0.00	0.00
18,700.0	90.00	179.68	10,840.0	-8,587.6	-799.4	8,583.0	0.00	0.00	0.00
18,800.0	90.00	179.68	10,840.0	-8,687.6	-798.9	8,683.0	0.00	0.00	0.00
18,900.0	90.00	179.68	10,840.0	-8,787.6	-798.3	8,783.0	0.00	0.00	0.00
19,000.0	90.00	179.68	10,840.0	-8,887.6	-797.7	8,883.0	0.00	0.00	0.00
19,100.0	90.00	179.68	10,840.0	-8,987.6	-797.2	8,983.0	0.00	0.00	0.00
19,200.0	90.00	179.68	10,840.0	-9,087.6	-796.6	9,083.0	0.00	0.00	0.00
19,300.0	90.00	179.68	10,840.0	-9,187.6	-796.1	9,183.0	0.00	0.00	0.00
19,400.0	90.00	179.68	10,840.0	-9,287.6	-795.5	9,283.0	0.00	0.00	0.00
19,500.0	90.00	179.68	10,840.0	-9,387.6	-794.9	9,383.0	0.00	0.00	0.00
19,600.0	90.00	179.68	10,840.0	-9,487.6	-794.4	9,483.0	0.00	0.00	0.00
19,700.0	90.00	179.68	10,840.0	-9,587.6	-793.8	9,583.0	0.00	0.00	0.00
19,800.0	90.00	179.68	10,840.0	-9,687.6	-793.3	9,683.0	0.00	0.00	0.00
19,900.0	90.00	179.68	10,840.0	-9,787.6	-792.7	9,783.0	0.00	0.00	0.00
20,000.0	90.00	179.68	10,840.0	-9,887.6	-792.1	9,883.0	0.00	0.00	0.00
20,100.0	90.00	179.68	10,840.0	-9,987.6	-791.6	9,983.0	0.00	0.00	0.00
20,200.0	90.00	179.68	10,840.0	-10,087.6	-791.0	10,083.0	0.00	0.00	0.00
20,300.0	90.00	179.68	10,840.0	-10,187.6	-790.5	10,183.0	0.00	0.00	0.00
20,400.0	90.00	179.68	10,840.0	-10,287.6	-789.9	10,283.0	0.00	0.00	0.00
20,500.0	90.00	179.68	10,840.0	-10,387.6	-789.3	10,383.0	0.00	0.00	0.00
20,600.0	90.00	179.68	10,840.0	-10,487.6	-788.8	10,483.0	0.00	0.00	0.00
20,700.0	90.00	179.68	10,840.0	-10,587.6	-788.2	10,583.0	0.00	0.00	0.00
20,800.0	90.00	179.68	10,840.0	-10,687.6	-787.7	10,683.0	0.00	0.00	0.00
20,900.0	90.00	179.68	10,840.0	-10,787.6	-787.1	10,783.0	0.00	0.00	0.00
21,000.0	90.00	179.68	10,840.0	-10,887.6	-786.5	10,883.0	0.00	0.00	0.00
21,100.0	90.00	179.68	10,840.0	-10,987.6	-786.0	10,983.0	0.00	0.00	0.00
21,200.0	90.00	179.68	10,840.0	-11,087.5	-785.4	11,083.0	0.00	0.00	0.00
21,300.0	90.00	179.68	10,840.0	-11,187.5	-784.9	11,183.0	0.00	0.00	0.00
21,400.0	90.00	179.68	10,840.0	-11,287.5	-784.3	11,283.0	0.00	0.00	0.00
21,500.0	90.00	179.68	10,840.0	-11,387.5	-783.7	11,383.0	0.00	0.00	0.00
21,600.0	90.00	179.68	10,840.0	-11,487.5	-783.2	11,483.0	0.00	0.00	0.00
21,700.0	90.00	179.68	10,840.0	-11,587.5	-782.6	11,583.0	0.00	0.00	0.00
21,800.0	90.00	179.68	10,840.0	-11,687.5	-782.1	11,683.0	0.00	0.00	0.00
21,900.0	90.00	179.68	10,840.0	-11,787.5	-781.5	11,783.0	0.00	0.00	0.00
22,000.0	90.00	179.68	10,840.0	-11,887.5	-780.9	11,883.0	0.00	0.00	0.00
22,100.0	90.00	179.68	10,840.0	-11,987.5	-780.4	11,983.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
22,200.0	90.00	179.68	10,840.0	-12,087.5	-779.8	12,083.0	0.00	0.00	0.00
22,300.0	90.00	179.68	10,840.0	-12,187.5	-779.2	12,183.0	0.00	0.00	0.00
22,400.0	90.00	179.68	10,840.0	-12,287.5	-778.7	12,283.0	0.00	0.00	0.00
22,500.0	90.00	179.68	10,840.0	-12,387.5	-778.1	12,383.0	0.00	0.00	0.00
22,600.0	90.00	179.68	10,840.0	-12,487.5	-777.6	12,483.0	0.00	0.00	0.00
22,700.0	90.00	179.68	10,840.0	-12,587.5	-777.0	12,583.0	0.00	0.00	0.00
22,800.0	90.00	179.68	10,840.0	-12,687.5	-776.4	12,683.0	0.00	0.00	0.00
22,900.0	90.00	179.68	10,840.0	-12,787.5	-775.9	12,783.0	0.00	0.00	0.00
23,000.0	90.00	179.68	10,840.0	-12,887.5	-775.3	12,883.0	0.00	0.00	0.00
23,100.0	90.00	179.68	10,840.0	-12,987.5	-774.8	12,983.0	0.00	0.00	0.00
23,200.0	90.00	179.68	10,840.0	-13,087.5	-774.2	13,083.0	0.00	0.00	0.00
23,300.0	90.00	179.68	10,840.0	-13,187.5	-773.6	13,183.0	0.00	0.00	0.00
23,400.0	90.00	179.68	10,840.0	-13,287.5	-773.1	13,283.0	0.00	0.00	0.00
23,500.0	90.00	179.68	10,840.0	-13,387.5	-772.5	13,383.0	0.00	0.00	0.00
23,600.0	90.00	179.68	10,840.0	-13,487.5	-772.0	13,483.0	0.00	0.00	0.00
23,700.0	90.00	179.68	10,840.0	-13,587.5	-771.4	13,583.0	0.00	0.00	0.00
23,800.0	90.00	179.68	10,840.0	-13,687.5	-770.8	13,683.0	0.00	0.00	0.00
23,900.0	90.00	179.68	10,840.0	-13,787.5	-770.3	13,783.0	0.00	0.00	0.00
24,000.0	90.00	179.68	10,840.0	-13,887.5	-769.7	13,883.0	0.00	0.00	0.00
24,100.0	90.00	179.68	10,840.0	-13,987.5	-769.2	13,983.0	0.00	0.00	0.00
24,200.0	90.00	179.68	10,840.0	-14,087.5	-768.6	14,083.0	0.00	0.00	0.00
24,300.0	90.00	179.68	10,840.0	-14,187.5	-768.0	14,183.0	0.00	0.00	0.00
24,400.0	90.00	179.68	10,840.0	-14,287.5	-767.5	14,283.0	0.00	0.00	0.00
24,500.0	90.00	179.68	10,840.0	-14,387.5	-766.9	14,383.0	0.00	0.00	0.00
24,600.0	90.00	179.68	10,840.0	-14,487.5	-766.4	14,483.0	0.00	0.00	0.00
24,700.0	90.00	179.68	10,840.0	-14,587.5	-765.8	14,583.0	0.00	0.00	0.00
24,800.0	90.00	179.68	10,840.0	-14,687.5	-765.2	14,683.0	0.00	0.00	0.00
24,900.0	90.00	179.68	10,840.0	-14,787.5	-764.7	14,783.0	0.00	0.00	0.00
25,000.0	90.00	179.68	10,840.0	-14,887.5	-764.1	14,883.0	0.00	0.00	0.00
25,100.0	90.00	179.68	10,840.0	-14,987.5	-763.6	14,983.0	0.00	0.00	0.00
25,200.0	90.00	179.68	10,840.0	-15,087.5	-763.0	15,083.0	0.00	0.00	0.00
25,300.0	90.00	179.68	10,840.0	-15,187.5	-762.4	15,183.0	0.00	0.00	0.00
25,400.0	90.00	179.68	10,840.0	-15,287.5	-761.9	15,283.0	0.00	0.00	0.00
25,500.0	90.00	179.68	10,840.0	-15,387.5	-761.3	15,383.0	0.00	0.00	0.00
25,600.0	90.00	179.68	10,840.0	-15,487.5	-760.8	15,483.0	0.00	0.00	0.00
25,700.0	90.00	179.68	10,840.0	-15,587.5	-760.2	15,583.0	0.00	0.00	0.00
25,800.0	90.00	179.68	10,840.0	-15,687.5	-759.6	15,683.0	0.00	0.00	0.00
25,900.0	90.00	179.68	10,840.0	-15,787.5	-759.1	15,783.0	0.00	0.00	0.00
26,000.0	90.00	179.68	10,840.0	-15,887.5	-758.5	15,883.0	0.00	0.00	0.00
26,100.0	90.00	179.68	10,840.0	-15,987.5	-758.0	15,983.0	0.00	0.00	0.00
26,200.0	90.00	179.68	10,840.0	-16,087.5	-757.4	16,083.0	0.00	0.00	0.00
26,300.0	90.00	179.68	10,840.0	-16,187.5	-756.8	16,183.0	0.00	0.00	0.00
26,358.8	90.00	179.68	10,840.0	-16,246.2	-756.5	16,241.8	0.00	0.00	0.00
TD at 26358.8 - BHL - Phelps Fed Com #211H									

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Phelps Fed Com #211H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3308.5usft
Project:	Antelope Ridge	**MD Reference:**	KB @ 3308.5usft
Site:	Phelps	**North Reference:**	Grid
Well:	Phelps Fed Com #211H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP - Phelps Fed Co - plan hits target center - Point	0.00	0.00	10,267.0	-552.2	-852.5	431,151.00	827,190.00	32° 10' 51.348 N	103° 16' 32.908 W
FTP - Phelps Fed Cor - plan hits target center - Point	0.00	0.00	10,500.6	-602.0	-851.5	431,101.24	827,190.95	32° 10' 50.855 N	103° 16' 32.903 W
BPP1 - Phelps Fed C - plan hits target center - Point	0.00	0.00	10,840.0	-5,787.0	-815.1	425,916.24	827,227.39	32° 9' 59.547 N	103° 16' 33.072 W
BHL - Phelps Fed Cor - plan hits target center - Point	0.00	0.00	10,840.0	-16,246.2	-756.5	415,457.00	827,286.00	32° 8' 16.049 N	103° 16' 33.585 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,515.0	1,515.0	Rustler			
2,116.8	2,116.0	Salado			
3,557.8	3,553.0	G30:CS14-CSB			
4,372.1	4,359.0	Capitan			
5,632.0	5,606.0	G26: Bell Cyn.			
6,430.2	6,396.0	G13: Cherry Cyn.			
6,938.4	6,899.0	G7: Brushy Cyn.			
7,877.0	7,828.0	G4: BSGL (CS9)			
9,087.3	9,026.0	L5.1: FBSG			
9,185.3	9,123.0	L4.3: SBSC			
9,711.7	9,644.0	L4.1: SBSG			
9,793.5	9,725.0	L3.3: TBSC			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,500.0	1,500.0	0.0	0.0	Start Build 2.00
1,658.9	1,658.8	-4.4	0.0	Start 1131.1 hold at 1658.9 MD
2,790.0	2,788.2	-67.1	0.0	Start Drop -1.50
3,001.9	3,000.0	-73.0	0.0	Start Build 2.00
3,411.9	3,408.5	-87.3	-25.5	Start 6379.0 hold at 3411.9 MD
9,790.8	9,722.3	-533.1	-818.5	Start Drop -1.50
10,337.4	10,267.0	-552.2	-852.5	Start Build 10.00
11,237.4	10,840.0	-1,125.1	-841.5	Start DLS 2.00 TFO 90.01
11,276.3	10,840.0	-1,164.0	-841.0	Start 15082.4 hold at 11276.3 MD
26,358.8	10,840.0	-16,246.2	-756.5	TD at 26358.8

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 624303

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 624303
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jeffrey.harrison	This well is within the Capitan Reef aquifer zone. The first intermediate casing string shall be set and cemented back to surface immediately below the Capitan Reef.	10/14/2026
jeffrey.harrison	All previous COA's not addressed within the updated COA's still apply.	10/14/2026
jeffrey.harrison	Approval is granted for the following Lower Bone Spring Pool: WC-025 G-08 S253534O;BONE SPRING [97088]. If additional production is desired or anticipated from another formation and pool, it must be added by sundry and a down hole comingling order must be obtained prior to production.	10/14/2026