

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

<b>Well Name:</b> CO 3 34 FEDERAL	<b>Well Location:</b> T25S / R32E / SEC 10 / NENW / 32.150075 / -103.666361	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 629H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMLC061936	<b>Unit or CA Name:</b> COTTON DRAW UNIT	<b>Unit or CA Number:</b> NMNM70928X
<b>US Well Number:</b> 3002554206	<b>Operator:</b> CHEVRON USA INCORPORATED	

**Notice of Intent**

**Sundry ID:** 2903621

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 03/31/2026

**Time Sundry Submitted:** 02:24

**Date proposed operation will begin:** 03/31/2026

**Procedure Description:** Chevron U.S.A. Inc. is proposing to sundry CO 3 34 FEDERAL 629H in Cotton Draw to revise the well names, C102s, 9-point plans and directional drilling plan. Please note that some of the changes below have already been approved by the BLM but due to NMOCD records these changes need to be explicitly called out and approved by the BLM again. Well Name Change Current BLM Name: CO 3 34 FEDERAL 629H Current NMOCD Name: CO 3 34 FEDERAL 304H New BLM/NMOCD Name: CO 3 34 FEDERAL 629H Note: (the current NMOCD name is being included to correct NMOCD records) C102 changes Pool Code: Changing 96715 to 98270 Pool Name: Changing WC-025 G-06 S253209L; Bone Spring to WC-025 G-08 S253216D; Upper Wolfcamp Surface Hole Location: Changing the north call from 790' to 784' Bottom Hole Location: Changing the west call from 660' to 1650' Dedicated Acreage: Changing 639.37 to 642.85 Defining Well: Changing 30-025-49783 to 30-025-53502 Kick off Point: Changing from 25' from the South and 660' from the West of Section 3, T25S-R32E to 572' from the north and 1650' from the west of Section 10, T25S-R32E First Take Point: Changing the west call from 660' to 1650' Last Take Point: Changing the west call from 660' to 1650' Lease Number on Plat: Corrected NMLC 19136 to NMLC 061936 9-Point Plan Change the Production liner from 5.5" 20# to 5" 13#. The 5" 13# will be kept full while running to mitigate the full evacuation collapse load. Requesting approval of the 5.5" 17# contingency casing in the event the 5" 13# has challenges getting to TD. Change Surface Casing Depth Updated Directional Drilling Plan PLEASE SEE ATTACHED C102, 9 POINT PLAN, DIRECTIONAL DRILL PLAN AND SUNDRY INFORMATION.

Well Name: CO 3 34 FEDERAL

Well Location: T25S / R32E / SEC 10 / NENW / 32.150075 / -103.666361

County or Parish/State: LEA / NM

Well Number: 629H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC061936

Unit or CA Name: COTTON DRAW UNIT

Unit or CA Number: NMNM70928X

US Well Number: 3002554206

Operator: CHEVRON USA INCORPORATED

**NOI Attachments**

**Procedure Description**

CO\_3\_34\_FEDERAL\_629H\_C102\_R2\_Cert033126\_\_\_SIGNED\_20260403075806.pdf

CO\_3\_34\_FEDERAL\_629H\_Sundry\_SUPO\_\_1\_\_1\_\_20260403075756.pdf

CO\_3\_34\_Federal\_No.\_629H\_P3\_R1\_Proposal\_20260331135649.pdf

CO\_3\_34\_FEDERAL\_\_629H\_9\_PT\_Plan\_13Jan26\_20260331135629.pdf

**Conditions of Approval**

**Additional**

SEC10\_T25S\_R32E\_CO\_3\_34\_FED\_AND\_CO\_10\_15\_FED\_COM\_\_Lea\_\_CHEVRON\_USA\_INCORPORATED\_46051\_JSB\_20260407065102.pdf

SEC10\_T25S\_R32E\_CO\_3\_34\_FED\_AND\_CO\_10\_15\_FED\_COM\_\_Lea\_\_CHEVRON\_USA\_INCORPORATED\_46051\_JS\_20260407065102.pdf

CO\_3\_34\_FED\_629H\_COAs\_20260407065102.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:** CINDY HERRERA-MURILLO

**Signed on:** APR 03, 2026 07:58 AM

**Name:** CHEVRON USA INCORPORATED

**Title:** Permitting Specialist

**Street Address:** 1616 W BENDER BLVD

**City:** HOBBS

**State:** NM

**Phone:** (575) 263-0431

**Email address:** CHERRERAMURILLO@CHEVRON.COM

**Field**

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

Well Name: CO 3 34 FEDERAL

Well Location: T25S / R32E / SEC 10 / NENW / 32.150075 / -103.666361

County or Parish/State: LEA / NM

Well Number: 629H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC061936

Unit or CA Name: COTTON DRAW UNIT

Unit or CA Number: NMNM70928X

US Well Number: 3002554206

Operator: CHEVRON USA INCORPORATED

**BLM Point of Contact**

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 04/07/2026

Signature: Chris Walls

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.**

5. Lease Serial No.	NMLC061936
6. If Indian, Allottee or Tribe Name	

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No. COTTON DRAW UNIT/NMNM70928X
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. CO 3 34 FEDERAL/629H
2. Name of Operator CHEVRON USA INCORPORATED		9. API Well No. 3002554206
3a. Address PO BOX 1392, BAKERSFIELD, CA 93302	3b. Phone No. (include area code) (661) 633-4000	10. Field and Pool or Exploratory Area WC-025 G-08 S253216D/UPPER WOLFCAMP
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 10/T25S/R32E/NMP		11. Country or Parish, State LEA/NM

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 performed 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 determined that the site is ready for final inspection.)

Chevron U.S.A. Inc. is proposing to sundry CO 3 34 FEDERAL 629H in Cotton Draw to revise the well names, C102s, 9-point plans and directional drilling plan. Please note that some of the changes below have already been approved by the BLM but due to NMOCD records these changes need to be explicitly called out and approved by the BLM again.

Well Name Change

Current BLM Name: CO 3 34 FEDERAL 629H

Current NMOCD Name: CO 3 34 FEDERAL 304H

New BLM/NMOCD Name: CO 3 34 FEDERAL 629H

Note: (the current NMOCD name is being included to correct NMOCD records)

C102 changes

Pool Code: Changing 96715 to 98270

Pool Name: Changing WC-025 G-06 S253209L; Bone Spring to WC-025 G-08 S253216D; Upper Wolfcamp

Surface Hole Location: Changing the north call from 790 to 784

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) CINDY HERRERA-MURILLO / Ph: (575) 263-0431	Title Permitting Specialist
Signature (Electronic Submission)	Date 04/03/2026

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Paul C Murphy / Ph: (575) 234-5975 / Approved	Title Natural Resource Specialist	Date 04/06/2026
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office CARLSBAD

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

## Additional Information

### Additional Remarks

Bottom Hole Location: Changing the west call from 660 to 1650

Dedicated Acreage: Changing 639.37 to 642.85

Defining Well: Changing 30-025-49783 to 30-025-53502

Kick off Point: Changing from 25 from the South and 660 from the West of Section 3, T25S-R32E to 572 from the north and 1650 from the west of Section 10, T25S-R32E

First Take Point: Changing the west call from 660 to 1650

Last Take Point: Changing the west call from 660 to 1650

Lease Number on Plat: Corrected NMLC 19136 to NMLC 061936

#### 9-Point Plan

Change the Production liner from 5.5" 20# to 5" 13#. The 5" 13# will be kept full while running to mitigate the full evacuation collapse load.

Requesting approval of the 5.5" 17# contingency casing in the event the 5" 13# has challenges getting to TD.

Change Surface Casing Depth

Updated Directional Drilling Plan

PLEASE SEE ATTACHED C102, 9 POINT PLAN, DIRECTIONAL DRILL PLAN AND SUNDRY INFORMATION.

### Location of Well

0. SHL: NENW / 784 FNL / 1574 FWL / TWSP: 25S / RANGE: 32E / SECTION: 10 / LAT: 32.150075 / LONG: -103.666361 ( TVD: 0 feet, MD: 0 feet )

PPP: SWSW / 25 FSL / 1650 FWL / TWSP: 25S / RANGE: 32E / SECTION: 3 / LAT: 32.152309 / LONG: -103.669314 ( TVD: 9990 feet, MD: 10476 feet )

BHL: NWNW / 25 FNL / 1650 FWL / TWSP: 24S / RANGE: 32E / SECTION: 34 / LAT: 32.181203 / LONG: -103.668927 ( TVD: 9990 feet, MD: 20989 feet )

SEC10-T25S-R32E\_CO 3 34 FED AND CO 10 15 FED COM\_Lea\_\_CHEVRON USA INCORPORATED\_46051\_JSB

CO 3 34 FED AND CO 10 15 FED COM

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface																					
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight																						
"A"	54.50		j 55	btc	14.60	2.03	0.93	1,072	6	1.48	3.52	58,424																					
"B"				btc			0					0																					
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,443							Totals:	1,072				58,424																					
<b>Comparison of Proposed to Minimum Required Cement Volumes</b> <table border="1"> <thead> <tr> <th>Hole Size</th> <th>Annular Volume</th> <th>1 Stage Cmt Sx</th> <th>1 Stage CuFt Cmt</th> <th>Min Cu Ft</th> <th>1 Stage % Excess</th> <th>Drilling Mud Wt</th> <th>Calc MASP</th> <th>Req'd BOPE</th> <th>Min Dist Hole-Cplg</th> </tr> </thead> <tbody> <tr> <td>17 1/2</td> <td>0.6946</td> <td>781</td> <td>1140</td> <td>745</td> <td>53</td> <td>10.00</td> <td>1847</td> <td>2M</td> <td>1.56</td> </tr> </tbody> </table>														Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg	17 1/2	0.6946	781	1140	745	53	10.00	1847	2M	1.56
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17 1/2	0.6946	781	1140	745	53	10.00	1847	2M	1.56																								
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK. <span style="float: right;">Site plat (pipe racks S or E) as per O.O. 1.111 D.4.1: not found.</span>																																	

10 3/4		casing inside the		13 3/8		Design Factors				Int 1																							
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight																						
"A"	40.50		j 55	btc	3.17	0.54	0.43	4,893	1	0.66	0.86	198,167																					
"B"							0					0																					
w/8.4#/g mud, 30min Sfc Csg Test psig: 56							Totals:	4,893				198,167																					
<b>The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1072 overlap.</b> <table border="1"> <thead> <tr> <th>Hole Size</th> <th>Annular Volume</th> <th>1 Stage Cmt Sx</th> <th>1 Stage CuFt Cmt</th> <th>Min Cu Ft</th> <th>1 Stage % Excess</th> <th>Drilling Mud Wt</th> <th>Calc MASP</th> <th>Req'd BOPE</th> <th>Min Dist Hole-Cplg</th> </tr> </thead> <tbody> <tr> <td>12 1/4</td> <td>0.1882</td> <td>535</td> <td>1110</td> <td>974</td> <td>14</td> <td>11.50</td> <td>4751</td> <td>5M</td> <td>0.25</td> </tr> </tbody> </table>														Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg	12 1/4	0.1882	535	1110	974	14	11.50	4751	5M	0.25
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DV Tool(s): <span style="float: right;">sum of sx    Σ CuFt</span> t by stage % : <span style="float: right;">535    1110</span> Class 'C' tail cmt yld > 1.35 <span style="float: right;">Σ%excess 14</span> Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.64, b, c, d <0.70 a Problem!! <span style="float: right;">MASP is within 10% of 5000psig, need exrta equip?</span> <span style="float: right;">Keep Casing Full, Alt Burst ok, Does not meet CFO 25% excess on cement, Chevron casing design attached</span>																																	

7 5/8		casing inside the		10 3/4		Design Factors				Int 2																							
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight																						
"A"	29.70		p 110	w441	2.29	1.51	0.88	11,777	1	1.31	2.33	349,777																					
"B"							0					0																					
w/8.4#/g mud, 30min Sfc Csg Test psig: 13							Totals:	11,777				349,777																					
<b>The cement volume(s) are intended to achieve a top of 4693 ft from surface or a 200 overlap.</b> <table border="1"> <thead> <tr> <th>Hole Size</th> <th>Annular Volume</th> <th>1 Stage Cmt Sx</th> <th>1 Stage CuFt Cmt</th> <th>Min Cu Ft</th> <th>1 Stage % Excess</th> <th>Drilling Mud Wt</th> <th>Calc MASP</th> <th>Req'd BOPE</th> <th>Min Dist Hole-Cplg</th> </tr> </thead> <tbody> <tr> <td>9 7/8</td> <td>0.2148</td> <td>966</td> <td>3016</td> <td>1525</td> <td>98</td> <td>12.00</td> <td>5623</td> <td>10M</td> <td>0.99</td> </tr> </tbody> </table>														Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg	9 7/8	0.2148	966	3016	1525	98	12.00	5623	10M	0.99
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Class 'C' tail cmt yld > 1.35 <span style="float: right;">MASP is within 10% of 5000psig, need exrta equip?</span> Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.62, b, c, d <0.70 a <span style="float: right;">Alt burst ok</span>																																	

5 1/2		Liner w/top @		11577		Design Factors				Liner																							
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight																						
"A"	17.00		p 110	w451	3.05	1.47	1.72	11,841	2	2.55	2.19	201,297																					
"B"							0.00					0																					
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Class 'H' tail cmt yld > 1.20 <span style="float: right;">Capitan Reef est top XXXX.</span> <span style="float: right;">MASP is within 10% of 5000psig, need exrta equip?</span>																																	

SEC10-T25S-R32E\_CO 3 34 FED AND CO 10 15 FED COM\_Lea\_CHEVRON USA INCORPORATED\_46051\_JS

CO 3 34 FED AND CO 10 15 FED COM

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface	
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight		
"A"	54.50		j 55	btc	14.60	2.03	0.93	1,072	6	1.48	3.52	58,424	
"B"				btc			0				0		
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,443							Totals:	1,072				58,424	
<b>Comparison of Proposed to Minimum Required Cement Volumes</b> Tail Cmt does not circ to sfc.													
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
17 1/2	0.6946	781	1140	745	53	10.00	1847	2M				1.56	
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													

10 3/4		casing inside the		13 3/8		Design Factors				Int 1			
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight		
"A"	40.50		j 55	btc	3.17	0.54	0.43	4,893	1	0.66	0.86	198,167	
"B"							0				0		
w/8.4#/g mud, 30min Sfc Csg Test psig: 56							Totals:	4,893				198,167	
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Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
12 1/4	0.1882	535	1110	974	14	11.50	4751	5M				0.25	
DV Tool(s): sum of sx Σ CuFt Σ%excess t by stage % : #VALUE! #VALUE! 535 1110 14													
Class 'C' tail cmt yld > 1.35 MASP is within 10% of 5000psig, need exrta equip?													
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.64, b, c, d <0.70 a Problem!!													

7 5/8		casing inside the		10 3/4		Design Factors				Int 2			
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight		
"A"	29.70		p 110	w441	2.29	1.51	0.88	11,777	1	1.31	2.33	349,777	
"B"							0				0		
w/8.4#/g mud, 30min Sfc Csg Test psig: 13							Totals:	11,777				349,777	
The cement volume(s) are intended to achieve a top of 4693 ft from surface or a 200 overlap.													
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
9 7/8	0.2148	966	3016	1525	98	12.00	5623	10M				0.99	
Class 'C' tail cmt yld > 1.35 MASP is within 10% of 5000psig, need exrta equip?													
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.62, b, c, d <0.70 a Alt burst ok													

5		Liner w/top @		11577		Design Factors				Liner			
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight		
"A"	13.00		p 110	w421	2.59	0.86	1.33	11,841	1	1.97	1.28	153,933	
"B"							0.00				0		
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,717							Totals:	11,841				153,933	
The cement volume(s) are intended to achieve a top of 11577 ft from surface or a 200 overlap.													
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
6 3/4	0.1122	1092	1660	1330	25	13.00						0.80	
Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX. MASP is within 10% of 5000psig, need exrta equip?													
Does not meet CFO 25% excess on cement, Keep casing full													

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CHEVRON USA INCORPORATED
WELL NAME & NO.:	CO 3 34 FED 629H
LOCATION:	Section 10, T.25 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

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

### A. HYDROGEN SULFIDE

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

### B. CASING

#### Primary Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **1072 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **17.5** inch in diameter.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall

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

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

**Operator is approved to use contingency cementing for the Intermediate and Production section. Operator shall notify the BLM before proceeding with contingency operation.**

2. The minimum required fill of cement behind the **10-3/4** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above.

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

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

3. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

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

4. The minimum required fill of cement behind the **5** inch production liner is:

- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

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

**Production liner casing must be kept fluid filled to meet BLM minimum collapse requirement.**

### **Contingency Production liner casing**

5. The minimum required fill of cement behind the **5.5** inch production liner is:
  - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

### **C. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR 3172.6(b)(9)** must be followed

### **D. SPECIAL REQUIREMENT (S)**

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

#### **BOPE Break Testing Variance**

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (**Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP**)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (**575-706-2779**) prior to the commencement of any BOPE Break Testing operations.

- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3170.

**Offline Cementing**

Contact the BLM prior to the commencement of any offline cementing procedure.

**GENERAL REQUIREMENTS**

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

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

Eddy County

**EMAIL** or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

[BLM\\_NM\\_CFO\\_DrillingNotifications@BLM.GOV](mailto:BLM_NM_CFO_DrillingNotifications@BLM.GOV)

(575) 361-2822

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,

(575) 689-5981

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. Notify the BLM when moving in the 2<sup>nd</sup> 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 2<sup>nd</sup> Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

#### A. CASING

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

well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

## **B. PRESSURE CONTROL**

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - iii. Manufacturer representative shall install the test plug for the initial BOP test.
  - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
  - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
- i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
  - iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds

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

### **C. DRILLING MUD**

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

### **D. WASTE MATERIAL AND FLUIDS**

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 1/29/2026

<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department <b>OIL CONSERVATION DIVISION</b>	Revised July 9, 2024  Submittal Type: <input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
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**WELL LOCATION INFORMATION**

API Number <b>30-025-54206</b>	Pool Code <b>98270</b>	Pool Name <b>WC-025 G-08 S253216D; UPPER WOLFCAMP</b>
Property Code <b>336509</b>	Property Name <b>CO 3 34 FEDERAL</b>	Well Number <b>629H</b>
OGRID No. <b>4323</b>	Operator Name <b>CHEVRON U.S.A. INC.</b>	Ground Level Elevation <b>3466'</b>
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

**Surface Location**

UL	Section	Township	Range	Lot	Ft. from North	Ft. from West	Latitude	Longitude	County
C	10	25S	32E	N/A	784	1574	32.150075° N	103.666361° W	LEA

**Bottom Hole Location**

UL	Section	Township	Range	Lot	Ft. from North	Ft. from West	Latitude	Longitude	County
C	34	24S	32E	N/A	25	1650	32.181215° N	103.665725° W	LEA

Dedicated Acres <b>642.85</b>	Infill or Defining Well <b>INFILL</b>	Defining Well API <b>30-025-53502</b>	Overlapping Spacing Unit (Y/N) <b>NO</b>	Consolidation Code <b>N/A</b>
Order Numbers. <b>NSL-PENDING</b>			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Kick Off Point (KOP)**

UL	Section	Township	Range	Lot	Ft. from North	Ft. from West	Latitude	Longitude	County
C	10	25S	32E	N/A	572	1650	32.150657° N	103.666115° W	LEA

**First Take Point (FTP)**

UL	Section	Township	Range	Lot	Ft. from South	Ft. from West	Latitude	Longitude	County
N	3	25S	32E	N/A	25	1650	32.152298° N	103.666118° W	LEA

**Last Take Point (LTP)**

UL	Section	Township	Range	Lot	Ft. from North	Ft. from West	Latitude	Longitude	County
C	34	24S	32E	N/A	100	1650	32.181009° N	103.665725° W	LEA

Unitized Area or Area of Uniform Interest <b>N/A</b>	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: <b>3466'</b>
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<p><b>OPERATOR CERTIFICATIONS</b></p> <p>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.</p> <p>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.</p> <p><i>Cindy Herrera-Murillo</i>      <b>4/2/2026</b></p> <p>Signature _____ Date _____</p> <p><b>Cindy Herrera-Murillo</b></p> <p>Printed Name _____</p> <p><b>Cherreramurillo@chevron.com</b></p> <p>Email Address _____</p>	<p><b>SURVEYOR CERTIFICATIONS</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys.</p> <div style="text-align: center;">  <p><i>Chad Harcrow</i></p> </div> <p>Signature and Seal of Professional Surveyor _____</p> <p style="text-align: center;"><b>CHAD HARCROW</b></p> <p>Certificate Number _____      Date of Survey _____</p> <p style="text-align: center;"><b>17777</b>      <b>03/31/2026</b></p> <p style="text-align: center;">Surveyed date of 06/24/23 obtained from initial submittal C102.</p>
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Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

(NAD 27 NM E)

**CO 3 34 FEDERAL**

**NO. 629H WELL**

X=706,570.35  
Y=418,914.06  
LAT.32.149951°N  
LONG.103.665884°W

**PROPOSED KICK**

**OFF POINT**

X=706,644.98  
Y=419,126.07  
LAT.32.150533°N  
LONG.103.665639°W

**PROPOSED FIRST**

**TAKE POINT**

X=706,640.40  
Y=419,723.05  
LAT.32.152174°N  
LONG.103.665641°W

**PROPOSED**

**MID POINT**

X=706,731.49  
Y=424,988.76  
LAT.32.166647°N  
LONG.103.665242°W

**PROPOSED LAST**

**TAKE POINT**

X=706,697.66  
Y=430,168.16  
LAT.32.180885°N  
LONG.103.665247°W

**PROPOSED BOTTOM**

**HOLE LOCATION**

X=706,697.14  
Y=430,243.16  
LAT.32.181091°N  
LONG.103.665247°W

(NAD 83/2011 NM E)

**CO 3 34 FEDERAL**

**NO. 629H WELL**

X=747,755.65  
Y=418,972.11  
LAT.32.150075°N  
LONG.103.666361°W

**PROPOSED KICK**

**OFF POINT**

X=747,830.31  
Y=419,184.28  
LAT.32.150657°N  
LONG.103.666115°W

**PROPOSED FIRST**

**TAKE POINT**

X=747,825.71  
Y=419,781.28  
LAT.32.152298°N  
LONG.103.666118°W

**PROPOSED**

**MID POINT**

X=747,916.57  
Y=425,047.12  
LAT.32.166771°N  
LONG.103.665719°W

**PROPOSED LAST**

**TAKE POINT**

X=747,882.52  
Y=430,226.64  
LAT.32.181009°N  
LONG.103.665725°W

**PROPOSED BOTTOM**

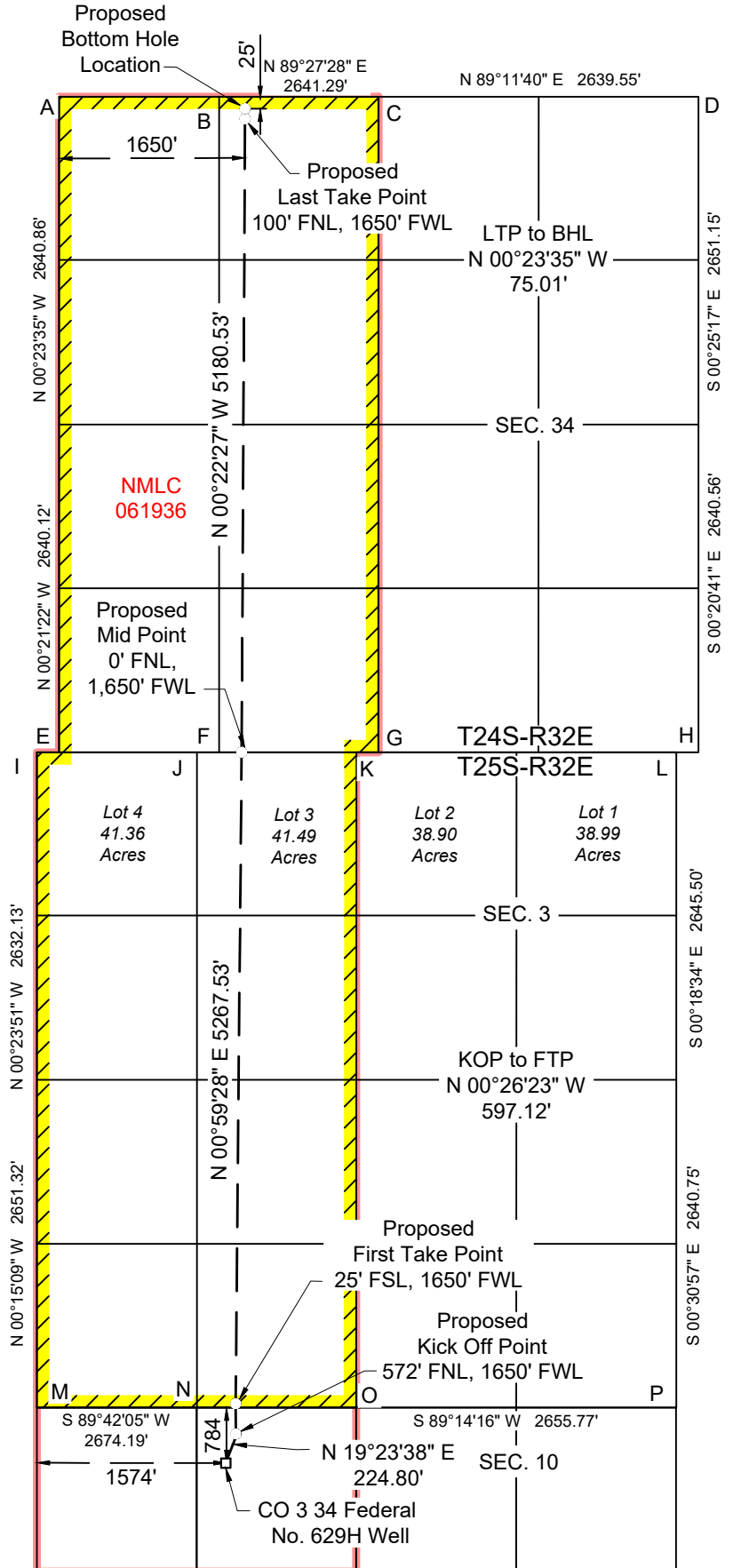
**HOLE LOCATION**

X=747,882.00  
Y=430,301.64  
LAT.32.181215°N  
LONG.103.665725°W

**CORNER COORDINATES**

(NAD 27 NM E)

- A - X=705047.04, Y=430252.55 IP w/ CAP "1913"
- B - X=706367.36, Y=430265.04
- C - X=707687.69, Y=430277.54 IP w/ CAP "1916"
- D - X=710326.46, Y=430314.64 IP w/ CAP "1916"
- E - X=705081.56, Y=424972.71 IP w/ CAP "1916"
- F - X=706401.63, Y=424985.55
- G - X=707721.70, Y=424998.40 IP w/ CAP "1916"
- H - X=710361.83, Y=425024.09 IP w/ CAP "1916"
- I - X=704960.59, Y=424971.78 IP w/ CAP "1916"
- J - X=706290.60, Y=424984.85
- K - X=707620.61, Y=424997.91
- L - X=710281.12, Y=425023.77 IP w/ CAP "1916"
- M - X=704990.53, Y=419689.45 IP w/ CAP "1939"
- N - X=706327.35, Y=419696.42
- O - X=707664.16, Y=419703.39 IP w/ CAP "1939"
- P - X=710319.17, Y=419738.70 IP w/ CAP "1939"



CHEVRON U.S.A. INC.  
CO 3 34 FEDERAL 629H (API #30-025-54206)  
SECTION 10, T25S-R32E, LEA COUNTY, NM

## Sundry

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### Proposed Sundry

Chevron U.S.A. Inc. is proposing to sundry CO 3 34 FEDERAL 629H in Cotton Draw to revise the well names, C102s, 9-point plans and directional drilling plan. Please note that some of the changes below have already been approved by the BLM but due to NMOCD records these changes need to be explicitly called out and approved by the BLM again.

### Sundry Details

- **Well Name Change**
  - **Current BLM Name:** CO 3 34 FEDERAL 629H
  - **Current NMOCD Name:** CO 3 34 FEDERAL 304H
  - **New BLM/NMOCD Name:** CO 3 34 FEDERAL 629H

*Note: (the current NMOCD name is being included to correct NMOCD records)*
- **C102 changes**
  - **Pool Code:** Changing 96715 to 98270
  - **Pool Name:** Changing WC-025 G-06 S253209L; Bone Spring to WC-025 G-08 S253216D; Upper Wolfcamp
  - **Surface Hole Location:** Changing the north call from 790' to 784'
  - **Bottom Hole Location:** Changing the west call from 660' to 1650'
  - **Dedicated Acreage:** Changing 639.37 to 642.85
  - **Defining Well:** Changing 30-025-49783 to 30-025-53502
  - **Kick off Point:** Changing from 25' from the South and 660' from the West of Section 3, T25S-R32E to 572' from the north and 1650' from the west of Section 10, T25S-R32E
  - **First Take Point:** Changing the west call from 660' to 1650'
  - **Last Take Point:** Changing the west call from 660' to 1650'
  - **Lease Number on Plat:** Corrected NMLC 19136 to NMLC 061936
- **9-Point Plan**
  - Change the Production liner from 5.5" 20# to 5" 13#. The 5" 13# will be kept full while running to mitigate the full evacuation collapse load.
  - Requesting approval of the 5.5" 17# contingency casing in the event the 5" 13# has challenges getting to TD.
  - Change Surface Casing Depth from 1,100 MD/TVD to 1,072' MD/TVD per updated geologic tops
- **Updated Directional Drilling Plan**

### Chevron Contacts

#### Surface Land

CHEVRON U.S.A. INC.  
CO 3 34 FEDERAL 629H (API #30-025-54206)  
SECTION 10, T25S-R32E, LEA COUNTY, NM

Taylor Ward  
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**Subsurface Land**  
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**Wells/Engineering**  
Austin White  
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M – 713-903-5278

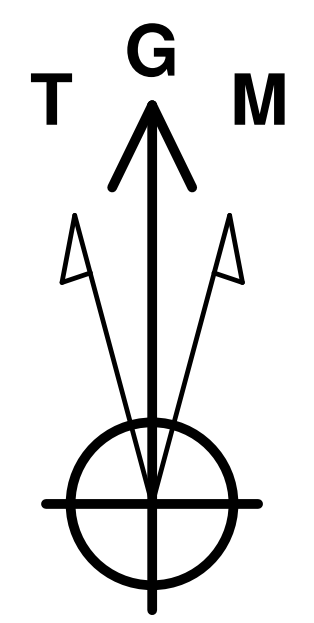
**Regulatory/Permitting**  
Cindy Herrera-Murillo  
[cherreramurillo@chevron.com](mailto:cherreramurillo@chevron.com)  
M – 575-263-0431



Chevron USA, Inc.

Project: Lea County, NM (NAD27 NME)  
 Site: CO Pad 627  
 Well: CO 3 34 Federal No. 629H  
 Wellbore: OH - 54206  
 Design: Plan 3 R1  
 Rig: Patterson 289

Map System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone Name: New Mexico East 3001



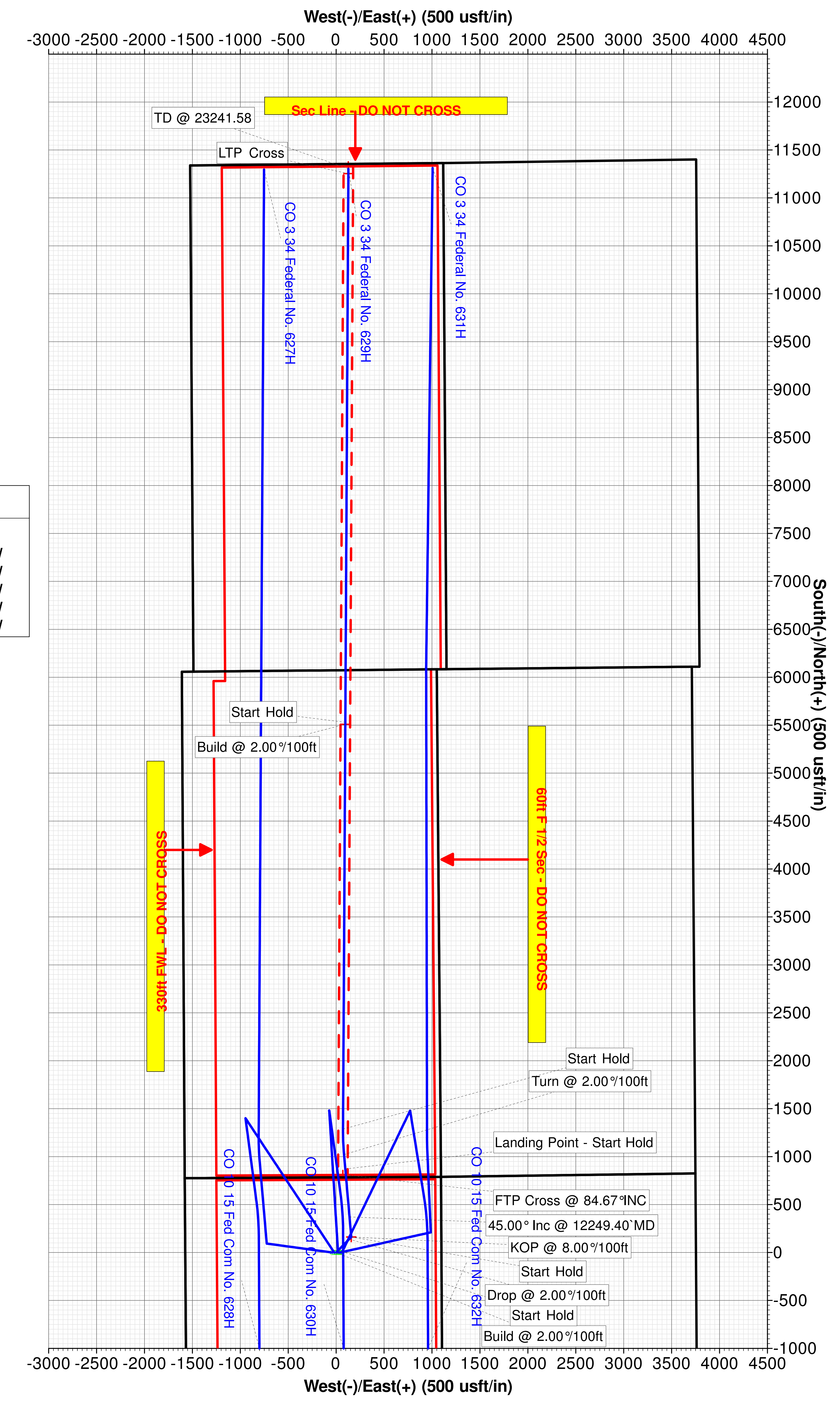
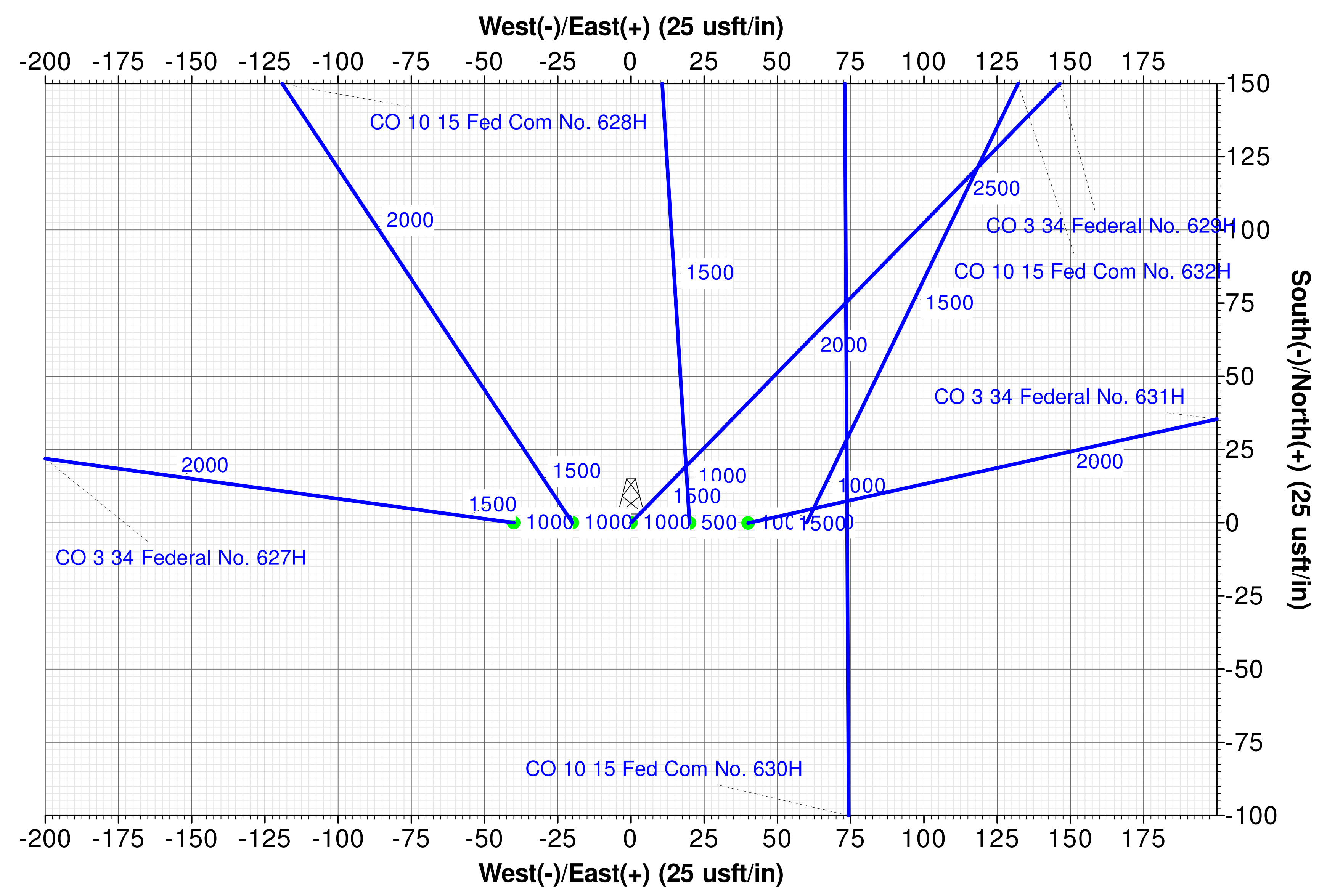
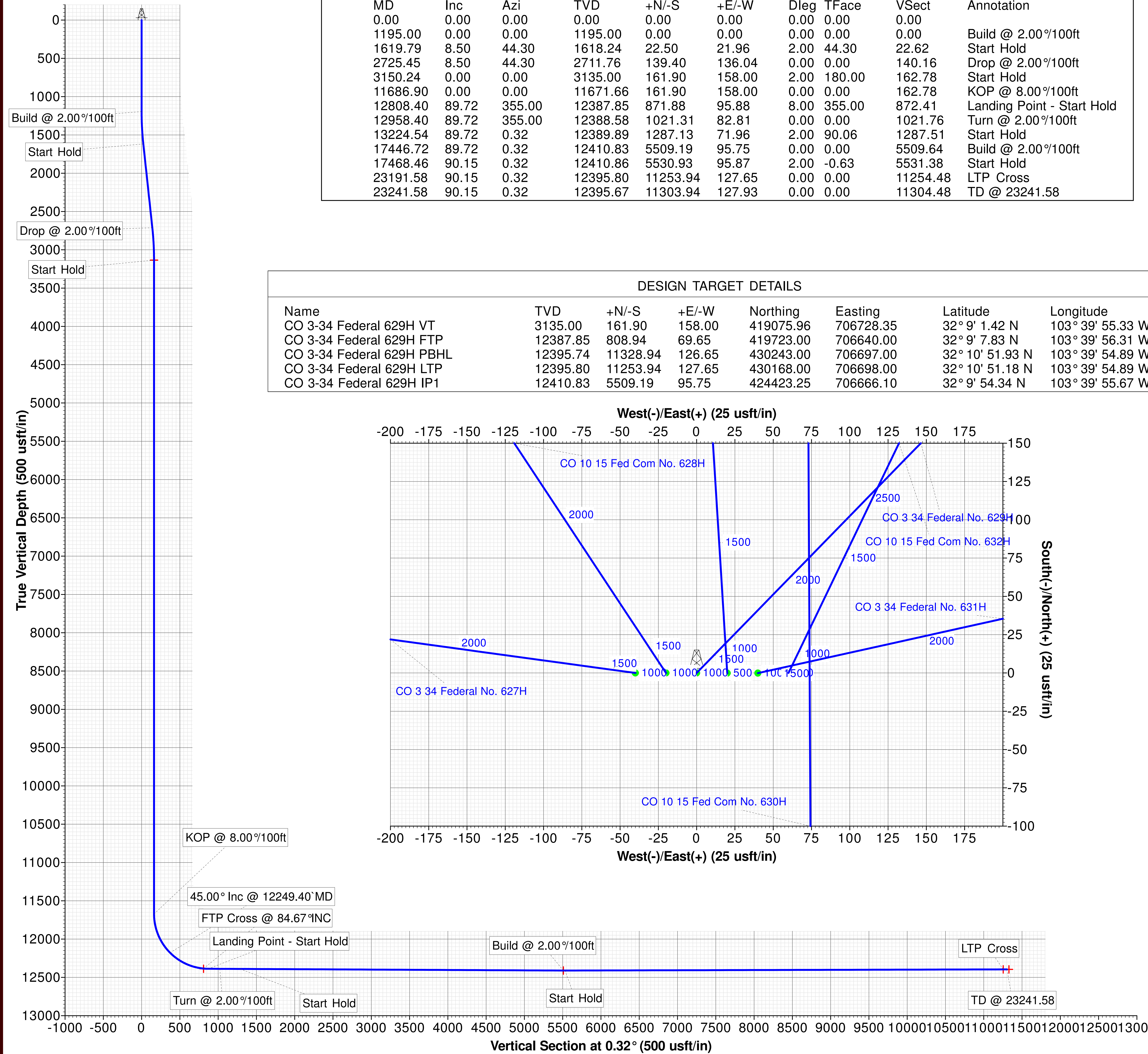
**Azimuths to Grid North**  
 True North: -0.36°  
 Magnetic North: 5.82°

**Magnetic Field**  
 Strength: 47072.6nT  
 Dip Angle: 59.63°  
 Date: 3/1/2026  
 Model: BGGM2025

WELL DETAILS					
GL 3466ft + RKB 28.5ft @ 3494.50usft (Patterson 289)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	418914.06	706570.35	32° 8' 59.83 N	103° 39' 57.18 W

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1195.00	0.00	0.00	1195.00	0.00	0.00	0.00	0.00	0.00	Build @ 2.00%/100ft	
1619.79	8.50	44.30	1618.24	22.50	21.96	2.00	44.30	22.62	Start Hold	
2725.45	8.50	44.30	2711.76	139.40	136.04	0.00	0.00	140.16	Drop @ 2.00%/100ft	
3150.24	0.00	0.00	3135.00	161.90	158.00	2.00	180.00	162.78	Start Hold	
11686.90	0.00	0.00	11671.66	161.90	158.00	0.00	0.00	162.78	KOP @ 8.00%/100ft	
12808.40	89.72	355.00	12387.85	871.88	95.88	8.00	355.00	872.41	Landing Point - Start Hold	
12958.40	89.72	355.00	12388.58	1021.31	82.81	0.00	0.00	1021.76	Turn @ 2.00%/100ft	
13224.54	89.72	0.32	12389.89	1287.13	71.96	2.00	90.06	1287.51	Start Hold	
17446.72	89.72	0.32	12410.83	5509.19	95.75	0.00	0.00	5509.64	Build @ 2.00%/100ft	
17468.46	90.15	0.32	12410.86	5530.93	95.87	2.00	-0.63	5531.38	Start Hold	
23191.58	90.15	0.32	12395.80	11253.94	127.65	0.00	0.00	11254.48	LTP Cross	
23241.58	90.15	0.32	12395.67	11303.94	127.93	0.00	0.00	11304.48	TD @ 23241.58	

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
CO 3-34 Federal 629H VT	3135.00	161.90	158.00	419075.96	706728.35	32° 9' 1.42 N	103° 39' 55.33 W
CO 3-34 Federal 629H FTP	12387.85	808.94	69.65	419723.00	706640.00	32° 9' 7.83 N	103° 39' 56.31 W
CO 3-34 Federal 629H PBHL	12395.74	11328.94	126.65	430243.00	706697.00	32° 10' 51.93 N	103° 39' 54.89 W
CO 3-34 Federal 629H LTP	12395.80	11253.94	127.65	430168.00	706698.00	32° 10' 51.18 N	103° 39' 54.89 W
CO 3-34 Federal 629H IP1	12410.83	5509.19	95.75	424423.25	706666.10	32° 9' 54.34 N	103° 39' 55.67 W





# CO Pad 627

**T** **G** **M**  
  
 Azimuths to Grid North  
 True North:  $-0.36^\circ$   
 Magnetic North:  $5.82^\circ$   
 Strength: 47072.6nT  
 Dip Angle:  $59.63^\circ$   
 Date: 3/1/2026  
 Model: BGGM2025

## PROJECT DETAILS: Lea County, NM (NAD27 NME)

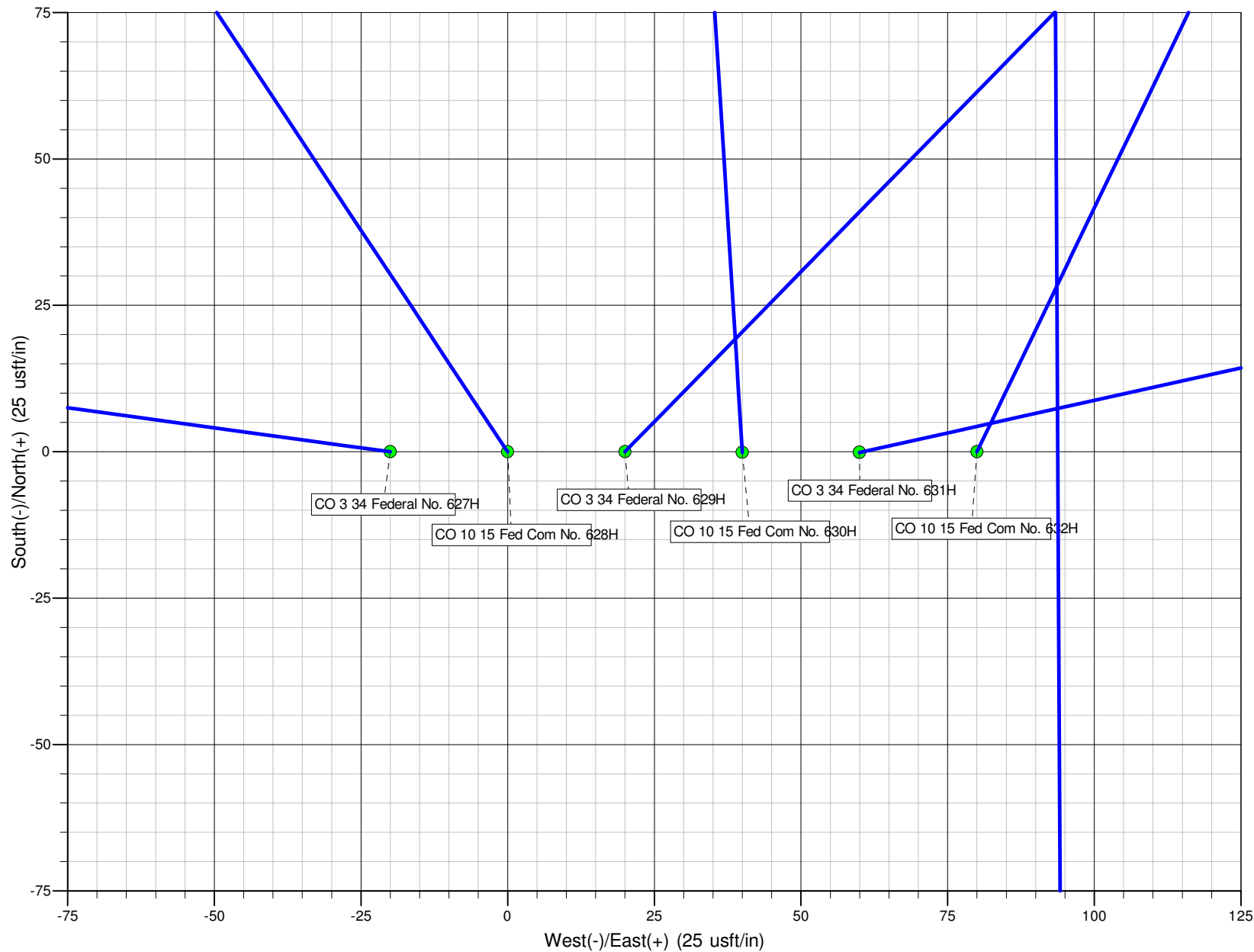
Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001

System Datum: Mean Sea Level

## SITE DETAILS: CO Pad 627

Site Centre Northing: 418914.06  
 Easting: 706530.35

Positional Uncertainty: 5.00  
 Convergence: 0.36  
 Local North: Grid





**Patterson 289**

# Chevron USA, Inc.

Lea County, NM (NAD27 NME) CO Pad 627

API# 30-025-54206

CO 3 34 Federal No. 629H

OH - 54206

Plan: Plan 3 R1

## Sperry Drilling Services

# Combo Report

03 February, 2026

Well Coordinates: 32° 8' 59.83 N  
103° 39' 57.18 W

NAD 1927 (NADCON CONUS)  
New Mexico East 3001  
418,914.06 N  
706,570.35 E

Ground Level: 3,466.00 usft

Local Coordinate Origin:

Centered on Well CO 3 34 Federal No. 629H

Viewing Datum:

GL 3466ft + RKB 28.5ft @ 3494.50usft (Patterson 289)

TVDs to System:

N

**North Reference:**

**Grid**

Unit System:

API-US Survey Feet

Compass Version: 5000.17 Build: 04

Report Version: Midcon Combo v1.15

**HALLIBURTON**

## Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
0.00	0.00	0.00	0.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
803.25	0.00	0.00	803.25	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	Z (RSLR)
900.00	0.00	0.00	900.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
1,072.00	0.00	0.00	1,072.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	13-3/8" Surface Casing
1,100.00	0.00	0.00	1,100.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	
1,140.41	0.00	0.00	1,140.41	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	Z (SLDO)
1,195.00	0.00	0.00	1,195.00	0.00 N	0.00 E	418,914.06	706,570.35	0.00	0.00	0.00	Build @ 2.00°/100ft
1,200.00	0.10	44.30	1,200.00	0.00 N	0.00 E	418,914.06	706,570.35	2.00	0.00	44.30	
1,300.00	2.10	44.30	1,299.98	1.38 N	1.34 E	418,915.44	706,571.69	2.00	1.38	0.00	
1,400.00	4.10	44.30	1,399.83	5.25 N	5.12 E	418,919.31	706,575.47	2.00	5.28	0.00	
1,500.00	6.10	44.30	1,499.42	11.61 N	11.33 E	418,925.67	706,581.68	2.00	11.67	0.00	
1,600.00	8.10	44.30	1,598.65	20.45 N	19.96 E	418,934.51	706,590.31	2.00	20.57	0.00	
1,619.79	8.50	44.30	1,618.24	22.50 N	21.96 E	418,936.56	706,592.31	2.00	22.62	0.00	Start Hold
1,700.00	8.50	44.30	1,697.56	30.98 N	30.23 E	418,945.04	706,600.58	0.00	31.15	0.00	
1,800.00	8.50	44.30	1,796.47	41.55 N	40.55 E	418,955.61	706,610.90	0.00	41.78	0.00	
1,900.00	8.50	44.30	1,895.37	52.13 N	50.87 E	418,966.19	706,621.22	0.00	52.41	0.00	
2,000.00	8.50	44.30	1,994.27	62.70 N	61.19 E	418,976.76	706,631.54	0.00	63.04	0.00	
2,100.00	8.50	44.30	2,093.18	73.27 N	71.51 E	418,987.33	706,641.86	0.00	73.67	0.00	
2,200.00	8.50	44.30	2,192.08	83.84 N	81.83 E	418,997.90	706,652.18	0.00	84.30	0.00	
2,300.00	8.50	44.30	2,290.98	94.42 N	92.14 E	419,008.48	706,662.49	0.00	94.93	0.00	
2,400.00	8.50	44.30	2,389.88	104.99 N	102.46 E	419,019.05	706,672.81	0.00	105.56	0.00	
2,500.00	8.50	44.30	2,488.79	115.56 N	112.78 E	419,029.62	706,683.13	0.00	116.19	0.00	
2,600.00	8.50	44.30	2,587.69	126.14 N	123.10 E	419,040.20	706,693.45	0.00	126.82	0.00	
2,700.00	8.50	44.30	2,686.59	136.71 N	133.42 E	419,050.77	706,703.77	0.00	137.45	0.00	
2,725.45	8.50	44.30	2,711.76	139.40 N	136.04 E	419,053.46	706,706.39	0.00	140.16	0.00	Drop @ 2.00°/100ft
2,800.00	7.00	44.30	2,785.63	146.60 N	143.07 E	419,060.66	706,713.42	2.00	147.39	180.00	
2,900.00	5.00	44.30	2,885.08	154.08 N	150.37 E	419,068.14	706,720.72	2.00	154.92	180.00	

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
3,000.00	3.00	44.30	2,984.83	159.08 N	155.25 E	419,073.14	706,725.60	2.00	159.95	180.00	
3,100.00	1.00	44.30	3,084.76	161.58 N	157.69 E	419,075.64	706,728.04	2.00	162.46	180.00	
3,134.72	0.31	44.30	3,119.48	161.87 N	157.97 E	419,075.93	706,728.32	2.00	162.75	-180.00	Z (CSTL)
3,150.24	0.00	0.00	3,135.00	161.90 N	158.00 E	419,075.96	706,728.35	2.00	162.78	-180.00	Start Hold - CO 3-34 Federal 629H VT
3,200.00	0.00	0.00	3,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,300.00	0.00	0.00	3,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,400.00	0.00	0.00	3,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,500.00	0.00	0.00	3,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,600.00	0.00	0.00	3,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,700.00	0.00	0.00	3,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,800.00	0.00	0.00	3,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
3,900.00	0.00	0.00	3,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,000.00	0.00	0.00	3,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,100.00	0.00	0.00	4,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,200.00	0.00	0.00	4,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,300.00	0.00	0.00	4,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,400.00	0.00	0.00	4,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,500.00	0.00	0.00	4,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,600.00	0.00	0.00	4,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,655.72	0.00	0.00	4,640.48	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	10-3/4" Intermediate Casing
4,700.00	0.00	0.00	4,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,725.72	0.00	0.00	4,710.48	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	Z (LMAR)
4,766.69	0.00	0.00	4,751.45	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	Z (BEL)
4,800.00	0.00	0.00	4,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
4,900.00	0.00	0.00	4,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,000.00	0.00	0.00	4,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,100.00	0.00	0.00	5,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,200.00	0.00	0.00	5,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,300.00	0.00	0.00	5,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,400.00	0.00	0.00	5,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,500.00	0.00	0.00	5,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,600.00	0.00	0.00	5,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,631.54	0.00	0.00	5,616.30	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	Z (CHR)
5,700.00	0.00	0.00	5,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,800.00	0.00	0.00	5,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
5,900.00	0.00	0.00	5,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,000.00	0.00	0.00	5,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	

**HALLIBURTON****Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
6,100.00	0.00	0.00	6,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,200.00	0.00	0.00	6,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,300.00	0.00	0.00	6,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,400.00	0.00	0.00	6,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,500.00	0.00	0.00	6,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,600.00	0.00	0.00	6,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,700.00	0.00	0.00	6,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,800.00	0.00	0.00	6,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,900.00	0.00	0.00	6,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
6,996.18	0.00	0.00	6,980.94	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	Z (BCN)
7,000.00	0.00	0.00	6,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,100.00	0.00	0.00	7,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,200.00	0.00	0.00	7,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,300.00	0.00	0.00	7,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,400.00	0.00	0.00	7,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,500.00	0.00	0.00	7,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,600.00	0.00	0.00	7,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,700.00	0.00	0.00	7,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,800.00	0.00	0.00	7,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
7,900.00	0.00	0.00	7,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,000.00	0.00	0.00	7,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,100.00	0.00	0.00	8,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,200.00	0.00	0.00	8,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,300.00	0.00	0.00	8,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,400.00	0.00	0.00	8,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,500.00	0.00	0.00	8,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,600.00	0.00	0.00	8,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,650.04	0.00	0.00	8,634.80	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	Z (BSL)
8,700.00	0.00	0.00	8,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,765.57	0.00	0.00	8,750.33	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	AVU
8,800.00	0.00	0.00	8,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
8,900.00	0.00	0.00	8,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,000.00	0.00	0.00	8,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,100.00	0.00	0.00	9,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,200.00	0.00	0.00	9,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,300.00	0.00	0.00	9,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,400.00	0.00	0.00	9,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
9,500.00	0.00	0.00	9,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,600.00	0.00	0.00	9,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,662.49	0.00	0.00	9,647.25	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	FBU
9,700.00	0.00	0.00	9,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,800.00	0.00	0.00	9,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,900.00	0.00	0.00	9,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
9,934.04	0.00	0.00	9,918.80	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	FBL
10,000.00	0.00	0.00	9,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,100.00	0.00	0.00	10,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,200.00	0.00	0.00	10,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,300.00	0.00	0.00	10,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,308.14	0.00	0.00	10,292.90	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	SBU
10,400.00	0.00	0.00	10,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,500.00	0.00	0.00	10,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,600.00	0.00	0.00	10,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,700.00	0.00	0.00	10,684.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,800.00	0.00	0.00	10,784.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
10,823.95	0.00	0.00	10,808.71	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	SBL
10,900.00	0.00	0.00	10,884.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,000.00	0.00	0.00	10,984.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,100.00	0.00	0.00	11,084.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,200.00	0.00	0.00	11,184.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,300.00	0.00	0.00	11,284.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,356.18	0.00	0.00	11,340.94	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	7-5/8" Intermediate Casing
11,400.00	0.00	0.00	11,384.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,500.00	0.00	0.00	11,484.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,580.27	0.00	0.00	11,565.03	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	TBS
11,600.00	0.00	0.00	11,584.76	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	
11,686.90	0.00	0.00	11,671.66	161.90 N	158.00 E	419,075.96	706,728.35	0.00	162.78	0.00	KOP @ 8.00°/100ft
11,700.00	1.05	355.00	11,684.76	162.02 N	157.99 E	419,076.08	706,728.34	8.00	162.90	355.00	
11,800.00	9.05	355.00	11,784.29	170.78 N	157.22 E	419,084.84	706,727.57	8.00	171.65	0.00	
11,900.00	17.05	355.00	11,881.63	193.25 N	155.26 E	419,107.31	706,725.61	8.00	194.11	0.00	
12,000.00	25.05	355.00	11,974.88	229.00 N	152.13 E	419,143.06	706,722.48	8.00	229.84	0.00	
12,046.98	28.81	355.00	12,016.76	250.19 N	150.28 E	419,164.25	706,720.63	8.00	251.03	0.00	WCA
12,100.00	33.05	355.00	12,062.23	277.33 N	147.90 E	419,191.39	706,718.25	8.00	278.15	0.00	
12,200.00	41.05	355.00	12,141.98	337.30 N	142.65 E	419,251.36	706,713.00	8.00	338.09	0.00	

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
12,249.40	45.00	355.00	12,178.09	370.87 N	139.72 E	419,284.93	706,710.07	8.00	371.64	0.00	45.00° Inc @ 12249.40' MD
12,299.80	49.03	355.00	12,212.44	407.59 N	136.50 E	419,321.65	706,706.85	8.00	408.35	0.00	WCA1
12,300.00	49.05	355.00	12,212.57	407.74 N	136.49 E	419,321.80	706,706.84	8.00	408.50	0.00	
12,400.00	57.05	355.00	12,272.64	487.29 N	129.53 E	419,401.35	706,699.88	8.00	488.00	0.00	
12,500.00	65.05	355.00	12,321.01	574.39 N	121.91 E	419,488.45	706,692.26	8.00	575.06	0.00	
12,600.00	73.05	355.00	12,356.74	667.34 N	113.78 E	419,581.40	706,684.13	8.00	667.97	0.00	
12,700.00	81.05	355.00	12,379.13	764.35 N	105.29 E	419,678.41	706,675.64	8.00	764.92	0.00	
12,745.23	84.67	355.00	12,384.75	809.05 N	101.38 E	419,723.11	706,671.73	8.00	809.60	0.00	FTP Cross @ 84.67°INC
12,748.05	84.89	355.00	12,385.01	811.85 N	101.14 E	419,725.91	706,671.49	8.00	812.40	0.00	CO 3-34 Federal 629H FTP
12,800.00	89.05	355.00	12,387.76	863.52 N	96.62 E	419,777.58	706,666.97	8.00	864.04	0.00	
12,808.40	89.72	355.00	12,387.85	871.88 N	95.88 E	419,785.94	706,666.23	8.00	872.41	0.00	Landing Point - Start Hold
12,900.00	89.72	355.00	12,388.29	963.13 N	87.90 E	419,877.19	706,658.25	0.00	963.61	0.00	
12,958.40	89.72	355.00	12,388.58	1,021.31 N	82.81 E	419,935.37	706,653.16	0.00	1,021.76	0.00	Turn @ 2.00°/100ft
13,000.00	89.72	355.83	12,388.78	1,062.78 N	79.49 E	419,976.84	706,649.84	2.00	1,063.20	90.06	
13,100.00	89.72	357.83	12,389.28	1,162.62 N	73.96 E	420,076.68	706,644.31	2.00	1,163.01	90.05	
13,200.00	89.72	359.83	12,389.77	1,262.59 N	71.92 E	420,176.65	706,642.27	2.00	1,262.97	90.04	
13,224.54	89.72	0.32	12,389.89	1,287.13 N	71.96 E	420,201.19	706,642.31	2.00	1,287.51	90.03	Start Hold
13,300.00	89.72	0.32	12,390.27	1,362.59 N	72.38 E	420,276.65	706,642.73	0.00	1,362.97	0.00	
13,400.00	89.72	0.32	12,390.76	1,462.59 N	72.94 E	420,376.65	706,643.29	0.00	1,462.97	0.00	
13,500.00	89.72	0.32	12,391.26	1,562.58 N	73.51 E	420,476.64	706,643.86	0.00	1,562.97	0.00	
13,600.00	89.72	0.32	12,391.75	1,662.58 N	74.07 E	420,576.64	706,644.42	0.00	1,662.97	0.00	
13,700.00	89.72	0.32	12,392.25	1,762.58 N	74.64 E	420,676.64	706,644.99	0.00	1,762.97	0.00	
13,800.00	89.72	0.32	12,392.75	1,862.57 N	75.20 E	420,776.63	706,645.55	0.00	1,862.96	0.00	
13,900.00	89.72	0.32	12,393.24	1,962.57 N	75.76 E	420,876.63	706,646.11	0.00	1,962.96	0.00	
14,000.00	89.72	0.32	12,393.74	2,062.57 N	76.33 E	420,976.63	706,646.68	0.00	2,062.96	0.00	
14,100.00	89.72	0.32	12,394.23	2,162.57 N	76.89 E	421,076.63	706,647.24	0.00	2,162.96	0.00	
14,200.00	89.72	0.32	12,394.73	2,262.56 N	77.45 E	421,176.62	706,647.80	0.00	2,262.96	0.00	
14,300.00	89.72	0.32	12,395.22	2,362.56 N	78.02 E	421,276.62	706,648.37	0.00	2,362.96	0.00	
14,400.00	89.72	0.32	12,395.72	2,462.56 N	78.58 E	421,376.62	706,648.93	0.00	2,462.96	0.00	
14,500.00	89.72	0.32	12,396.22	2,562.55 N	79.14 E	421,476.61	706,649.49	0.00	2,562.96	0.00	
14,600.00	89.72	0.32	12,396.71	2,662.55 N	79.71 E	421,576.61	706,650.06	0.00	2,662.96	0.00	
14,700.00	89.72	0.32	12,397.21	2,762.55 N	80.27 E	421,676.61	706,650.62	0.00	2,762.95	0.00	
14,744.66	89.72	0.32	12,397.43	2,807.21 N	80.52 E	421,721.27	706,650.87	0.00	2,807.61	0.00	CO_WCA1_TGT1
14,800.00	89.72	0.32	12,397.70	2,862.55 N	80.83 E	421,776.61	706,651.18	0.00	2,862.95	0.00	
14,900.00	89.72	0.32	12,398.20	2,962.54 N	81.40 E	421,876.60	706,651.75	0.00	2,962.95	0.00	
15,000.00	89.72	0.32	12,398.70	3,062.54 N	81.96 E	421,976.60	706,652.31	0.00	3,062.95	0.00	
15,100.00	89.72	0.32	12,399.19	3,162.54 N	82.52 E	422,076.60	706,652.87	0.00	3,162.95	0.00	

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
15,200.00	89.72	0.32	12,399.69	3,262.53 N	83.09 E	422,176.59	706,653.44	0.00	3,262.95	0.00	
15,300.00	89.72	0.32	12,400.18	3,362.53 N	83.65 E	422,276.59	706,654.00	0.00	3,362.95	0.00	
15,400.00	89.72	0.32	12,400.68	3,462.53 N	84.22 E	422,376.59	706,654.57	0.00	3,462.95	0.00	
15,500.00	89.72	0.32	12,401.18	3,562.53 N	84.78 E	422,476.59	706,655.13	0.00	3,562.94	0.00	
15,600.00	89.72	0.32	12,401.67	3,662.52 N	85.34 E	422,576.58	706,655.69	0.00	3,662.94	0.00	
15,700.00	89.72	0.32	12,402.17	3,762.52 N	85.91 E	422,676.58	706,656.26	0.00	3,762.94	0.00	
15,800.00	89.72	0.32	12,402.66	3,862.52 N	86.47 E	422,776.58	706,656.82	0.00	3,862.94	0.00	
15,900.00	89.72	0.32	12,403.16	3,962.51 N	87.03 E	422,876.57	706,657.38	0.00	3,962.94	0.00	
16,000.00	89.72	0.32	12,403.66	4,062.51 N	87.60 E	422,976.57	706,657.95	0.00	4,062.94	0.00	
16,100.00	89.72	0.32	12,404.15	4,162.51 N	88.16 E	423,076.57	706,658.51	0.00	4,162.94	0.00	
16,200.00	89.72	0.32	12,404.65	4,262.51 N	88.72 E	423,176.57	706,659.07	0.00	4,262.94	0.00	
16,300.00	89.72	0.32	12,405.14	4,362.50 N	89.29 E	423,276.56	706,659.64	0.00	4,362.93	0.00	
16,400.00	89.72	0.32	12,405.64	4,462.50 N	89.85 E	423,376.56	706,660.20	0.00	4,462.93	0.00	
16,500.00	89.72	0.32	12,406.14	4,562.50 N	90.41 E	423,476.56	706,660.76	0.00	4,562.93	0.00	
16,600.00	89.72	0.32	12,406.63	4,662.50 N	90.98 E	423,576.56	706,661.33	0.00	4,662.93	0.00	
16,700.00	89.72	0.32	12,407.13	4,762.49 N	91.54 E	423,676.55	706,661.89	0.00	4,762.93	0.00	
16,800.00	89.72	0.32	12,407.62	4,862.49 N	92.11 E	423,776.55	706,662.46	0.00	4,862.93	0.00	
16,900.00	89.72	0.32	12,408.12	4,962.49 N	92.67 E	423,876.55	706,663.02	0.00	4,962.93	0.00	
17,000.00	89.72	0.32	12,408.61	5,062.48 N	93.23 E	423,976.54	706,663.58	0.00	5,062.93	0.00	
17,100.00	89.72	0.32	12,409.11	5,162.48 N	93.80 E	424,076.54	706,664.15	0.00	5,162.92	0.00	
17,200.00	89.72	0.32	12,409.61	5,262.48 N	94.36 E	424,176.54	706,664.71	0.00	5,262.92	0.00	
17,300.00	89.72	0.32	12,410.10	5,362.48 N	94.92 E	424,276.54	706,665.27	0.00	5,362.92	0.00	
17,400.00	89.72	0.32	12,410.60	5,462.47 N	95.49 E	424,376.53	706,665.84	0.00	5,462.92	0.00	
17,446.72	89.72	0.32	12,410.83	5,509.19 N	95.75 E	424,423.25	706,666.10	0.00	5,509.64	0.00	Build @ 2.00°/100ft - CO 3-34 Federal 629H IP1
17,468.46	90.15	0.32	12,410.86	5,530.93 N	95.87 E	424,444.99	706,666.22	2.00	5,531.38	-0.63	Start Hold
17,500.00	90.15	0.32	12,410.77	5,562.47 N	96.05 E	424,476.53	706,666.40	0.00	5,562.92	0.00	
17,600.00	90.15	0.32	12,410.51	5,662.47 N	96.60 E	424,576.53	706,666.95	0.00	5,662.92	0.00	
17,700.00	90.15	0.32	12,410.25	5,762.47 N	97.16 E	424,676.53	706,667.51	0.00	5,762.92	0.00	
17,800.00	90.15	0.32	12,409.98	5,862.46 N	97.71 E	424,776.52	706,668.06	0.00	5,862.92	0.00	
17,900.00	90.15	0.32	12,409.72	5,962.46 N	98.27 E	424,876.52	706,668.62	0.00	5,962.92	0.00	
18,000.00	90.15	0.32	12,409.46	6,062.46 N	98.82 E	424,976.52	706,669.17	0.00	6,062.92	0.00	
18,100.00	90.15	0.32	12,409.19	6,162.46 N	99.38 E	425,076.52	706,669.73	0.00	6,162.92	0.00	
18,200.00	90.15	0.32	12,408.93	6,262.46 N	99.93 E	425,176.52	706,670.28	0.00	6,262.92	0.00	
18,300.00	90.15	0.32	12,408.67	6,362.46 N	100.49 E	425,276.52	706,670.84	0.00	6,362.92	0.00	
18,400.00	90.15	0.32	12,408.40	6,462.45 N	101.04 E	425,376.51	706,671.39	0.00	6,462.92	0.00	
18,500.00	90.15	0.32	12,408.14	6,562.45 N	101.60 E	425,476.51	706,671.95	0.00	6,562.92	0.00	
18,600.00	90.15	0.32	12,407.88	6,662.45 N	102.15 E	425,576.51	706,672.50	0.00	6,662.92	0.00	

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
18,700.00	90.15	0.32	12,407.62	6,762.45 N	102.71 E	425,676.51	706,673.06	0.00	6,762.92	0.00	
18,800.00	90.15	0.32	12,407.35	6,862.45 N	103.27 E	425,776.51	706,673.62	0.00	6,862.92	0.00	
18,900.00	90.15	0.32	12,407.09	6,962.44 N	103.82 E	425,876.50	706,674.17	0.00	6,962.92	0.00	
19,000.00	90.15	0.32	12,406.83	7,062.44 N	104.38 E	425,976.50	706,674.73	0.00	7,062.91	0.00	
19,100.00	90.15	0.32	12,406.56	7,162.44 N	104.93 E	426,076.50	706,675.28	0.00	7,162.91	0.00	
19,200.00	90.15	0.32	12,406.30	7,262.44 N	105.49 E	426,176.50	706,675.84	0.00	7,262.91	0.00	
19,300.00	90.15	0.32	12,406.04	7,362.44 N	106.04 E	426,276.50	706,676.39	0.00	7,362.91	0.00	
19,400.00	90.15	0.32	12,405.77	7,462.43 N	106.60 E	426,376.49	706,676.95	0.00	7,462.91	0.00	
19,500.00	90.15	0.32	12,405.51	7,562.43 N	107.15 E	426,476.49	706,677.50	0.00	7,562.91	0.00	
19,600.00	90.15	0.32	12,405.25	7,662.43 N	107.71 E	426,576.49	706,678.06	0.00	7,662.91	0.00	
19,700.00	90.15	0.32	12,404.98	7,762.43 N	108.26 E	426,676.49	706,678.61	0.00	7,762.91	0.00	
19,800.00	90.15	0.32	12,404.72	7,862.43 N	108.82 E	426,776.49	706,679.17	0.00	7,862.91	0.00	
19,900.00	90.15	0.32	12,404.46	7,962.42 N	109.37 E	426,876.48	706,679.72	0.00	7,962.91	0.00	
20,000.00	90.15	0.32	12,404.20	8,062.42 N	109.93 E	426,976.48	706,680.28	0.00	8,062.91	0.00	
20,100.00	90.15	0.32	12,403.93	8,162.42 N	110.48 E	427,076.48	706,680.83	0.00	8,162.91	0.00	
20,200.00	90.15	0.32	12,403.67	8,262.42 N	111.04 E	427,176.48	706,681.39	0.00	8,262.91	0.00	
20,300.00	90.15	0.32	12,403.41	8,362.42 N	111.59 E	427,276.48	706,681.94	0.00	8,362.91	0.00	
20,400.00	90.15	0.32	12,403.14	8,462.42 N	112.15 E	427,376.48	706,682.50	0.00	8,462.91	0.00	
20,500.00	90.15	0.32	12,402.88	8,562.41 N	112.70 E	427,476.47	706,683.05	0.00	8,562.91	0.00	
20,600.00	90.15	0.32	12,402.62	8,662.41 N	113.26 E	427,576.47	706,683.61	0.00	8,662.91	0.00	
20,700.00	90.15	0.32	12,402.35	8,762.41 N	113.82 E	427,676.47	706,684.17	0.00	8,762.91	0.00	
20,800.00	90.15	0.32	12,402.09	8,862.41 N	114.37 E	427,776.47	706,684.72	0.00	8,862.91	0.00	
20,900.00	90.15	0.32	12,401.83	8,962.41 N	114.93 E	427,876.47	706,685.28	0.00	8,962.91	0.00	
21,000.00	90.15	0.32	12,401.57	9,062.40 N	115.48 E	427,976.46	706,685.83	0.00	9,062.91	0.00	
21,100.00	90.15	0.32	12,401.30	9,162.40 N	116.04 E	428,076.46	706,686.39	0.00	9,162.91	0.00	
21,200.00	90.15	0.32	12,401.04	9,262.40 N	116.59 E	428,176.46	706,686.94	0.00	9,262.91	0.00	
21,300.00	90.15	0.32	12,400.78	9,362.40 N	117.15 E	428,276.46	706,687.50	0.00	9,362.91	0.00	
21,400.00	90.15	0.32	12,400.51	9,462.40 N	117.70 E	428,376.46	706,688.05	0.00	9,462.91	0.00	
21,500.00	90.15	0.32	12,400.25	9,562.39 N	118.26 E	428,476.45	706,688.61	0.00	9,562.91	0.00	
21,600.00	90.15	0.32	12,399.99	9,662.39 N	118.81 E	428,576.45	706,689.16	0.00	9,662.91	0.00	
21,700.00	90.15	0.32	12,399.72	9,762.39 N	119.37 E	428,676.45	706,689.72	0.00	9,762.91	0.00	
21,800.00	90.15	0.32	12,399.46	9,862.39 N	119.92 E	428,776.45	706,690.27	0.00	9,862.91	0.00	
21,900.00	90.15	0.32	12,399.20	9,962.39 N	120.48 E	428,876.45	706,690.83	0.00	9,962.90	0.00	
22,000.00	90.15	0.32	12,398.93	10,062.39 N	121.03 E	428,976.45	706,691.38	0.00	10,062.90	0.00	
22,100.00	90.15	0.32	12,398.67	10,162.38 N	121.59 E	429,076.44	706,691.94	0.00	10,162.90	0.00	
22,200.00	90.15	0.32	12,398.41	10,262.38 N	122.14 E	429,176.44	706,692.49	0.00	10,262.90	0.00	

## Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
22,300.00	90.15	0.32	12,398.15	10,362.38	122.70	429,276.44	706,693.05	0.00	10,362.90	0.00	
22,400.00	90.15	0.32	12,397.88	10,462.38	123.25	429,376.44	706,693.60	0.00	10,462.90	0.00	
22,500.00	90.15	0.32	12,397.62	10,562.38	123.81	429,476.44	706,694.16	0.00	10,562.90	0.00	
22,600.00	90.15	0.32	12,397.36	10,662.37	124.37	429,576.43	706,694.72	0.00	10,662.90	0.00	
22,700.00	90.15	0.32	12,397.09	10,762.37	124.92	429,676.43	706,695.27	0.00	10,762.90	0.00	
22,800.00	90.15	0.32	12,396.83	10,862.37	125.48	429,776.43	706,695.83	0.00	10,862.90	0.00	
22,900.00	90.15	0.32	12,396.57	10,962.37	126.03	429,876.43	706,696.38	0.00	10,962.90	0.00	
23,000.00	90.15	0.32	12,396.30	11,062.37	126.59	429,976.43	706,696.94	0.00	11,062.90	0.00	
23,100.00	90.15	0.32	12,396.04	11,162.36	127.14	430,076.42	706,697.49	0.00	11,162.90	0.00	
23,191.58	90.15	0.32	12,395.80	11,253.94	127.65	430,168.00	706,698.00	0.00	11,254.48	0.00	LTP Cross - CO 3-34 Federal 629H LTP
23,200.00	90.15	0.32	12,395.78	11,262.36	127.70	430,176.42	706,698.05	0.00	11,262.90	0.00	
23,241.35	90.15	0.32	12,395.67	11,303.71	127.93	430,217.77	706,698.28	0.00	11,304.25	0.00	TD @ 23241.58
23,241.58	90.15	0.32	12,395.67	11,303.94	127.93	430,218.00	706,698.28	0.00	11,304.48	0.00	CO 3-34 Federal 629H PBHL

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,195.00	1,195.00	0.00	0.00	Build @ 2.00°/100ft
1,619.79	1,618.24	22.50	21.96	Start Hold
2,725.45	2,711.76	139.40	136.04	Drop @ 2.00°/100ft
3,150.24	3,135.00	161.90	158.00	Start Hold
11,686.90	11,671.66	161.90	158.00	KOP @ 8.00°/100ft
12,249.40	12,178.09	370.87	139.72	45.00° Inc @ 12249.40' MD
12,745.23	12,384.75	809.05	101.38	FTP Cross @ 84.67°INC
12,808.40	12,387.85	871.88	95.88	Landing Point - Start Hold
12,958.40	12,388.58	1,021.31	82.81	Turn @ 2.00°/100ft
13,224.54	12,389.89	1,287.13	71.96	Start Hold
17,446.72	12,410.83	5,509.19	95.75	Build @ 2.00°/100ft
17,468.46	12,410.86	5,530.93	95.87	Start Hold
23,191.58	12,395.80	11,253.94	127.65	LTP Cross
23,241.35	12,395.67	11,303.71	127.93	TD @ 23241.58

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/_S (usft)	+E/-W (usft)	
User	No Target (Freehand)	0.32	Slot	0.00	0.00	0.00

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1****Survey tool program**

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	1,072.00	Plan 3 R1	3_MWD+IFR1+Sag
1,072.00	4,655.72	Plan 3 R1	3_MWD+IFR1+MS+Sag
4,655.72	11,356.18	Plan 3 R1	3_MWD+IFR1+MS+Sag
11,356.18	23,241.58	Plan 3 R1	3_MWD+IFR1+MS+Sag

**Casing Details**

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
1,072.00	1,072.00	13-3/8" Surface Casing	13.375	17.500
4,655.72	4,640.48	10-3/4" Intermediate Casing	10.750	12.250
11,356.18	11,340.94	7-5/8" Intermediate Casing	7.625	8.500
23,241.58	12,395.67	5-1/2" Production Liner	5.500	6.100

**Formation Details**

Measured Depth (usft)	Vertical Depth (usft)	TVDSS (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
803.25	803.25	-2,691.25	Z (RSLR)			
1,140.41	1,140.41	-2,354.09	Z (SLDO)			
3,134.72	3,119.48	-375.02	Z (CSTL)			
4,725.72	4,710.48	1,215.98	Z (LMAR)			
4,766.69	4,751.45	1,256.95	Z (BEL)			
5,631.54	5,616.30	2,121.80	Z (CHR)			
6,996.18	6,980.94	3,486.44	Z (BCN)			
8,650.04	8,634.80	5,140.30	Z (BSL)			
8,765.57	8,750.33	5,255.83	AVU			
9,662.49	9,647.25	6,152.75	FBU			
9,934.04	9,918.80	6,424.30	FBL			
10,308.14	10,292.90	6,798.40	SBU			
10,823.95	10,808.71	7,314.21	SBL			
11,580.27	11,565.03	8,070.53	TBS			
12,046.98	12,016.76	8,522.26	WCA			
12,299.80	12,212.44	8,717.94	WCA1			
14,744.66	12,397.43	8,902.93	CO_WCA1_TGT1			

**Plan Report for CO 3 34 Federal No. 629H - Plan 3 R1****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
CO 3-34 Federal 629H VT () - plan hits target center - Point	0.00	0.00	3,135.00	161.90	158.00	419,075.96	706,728.35	32° 9' 1.42 N	103° 39' 55.33 W
CO 3-34 Federal 629H FTP () - plan misses target center by 31.75usft at 12748.05usft MD (12385.01 TVD, 811.85 N, 101.14 E) - Point	0.00	0.00	12,387.85	808.94	69.65	419,723.00	706,640.00	32° 9' 7.83 N	103° 39' 56.31 W
CO 3-34 Federal 629H PBHL () - plan misses target center by 25.03usft at 23241.58usft MD (12395.67 TVD, 11303.94 N, 127.93 E) - Point	0.00	0.00	12,395.74	11,328.94	126.65	430,243.00	706,697.00	32° 10' 51.93 N	103° 39' 54.89 W
CO 3-34 Federal 629H LTP () - plan hits target center - Point	0.00	0.00	12,395.80	11,253.94	127.65	430,168.00	706,698.00	32° 10' 51.18 N	103° 39' 54.89 W
CO 3-34 Federal 629H IP1 () - plan hits target center - Point	0.00	0.00	12,410.83	5,509.19	95.75	424,423.25	706,666.10	32° 9' 54.34 N	103° 39' 55.67 W

**Directional Difficulty Index**

Average Dogleg over Survey:	0.48 °/100ft	Maximum Dogleg over Survey:	8.00 °/100ft at 12,808.40 usft
Net Tortousity applicable to Plans:	0.48 °/100ft	Directional Difficulty Index:	6.619

**Audit Info**

# HALLIBURTON

## North Reference Sheet for CO Pad 627 - CO 3 34 Federal No. 629H - OH - 54206

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3466ft + RKB 28.5ft @ 3494.50usft (Patterson 289). Northing and Easting are relative to CO 3 34 Federal No. 629H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.00 W°, Longitude Origin:0° 0' 0.00 E°, Latitude Origin:0° 0' 0.00 N°

False Easting: 500,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99995796

Grid Coordinates of Well: 418,914.06 usft N, 706,570.35 usft E

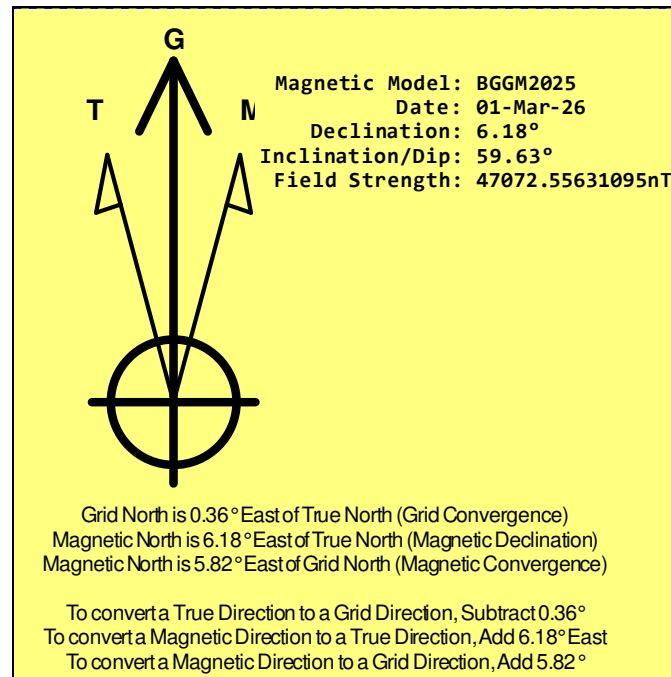
Geographical Coordinates of Well: 32° 8' 59.83 N, 103° 39' 57.18 W

Grid Convergence at Surface is: 0.36°

Based upon Minimum Curvature type calculations, at a Measured Depth of 23,241.58usft

the Bottom Hole Displacement is 11,304.66usft in the Direction of 0.65° (Grid).

Magnetic Convergence at surface is: -5.82° ( 1 March 2026, , BGGM2025)



45 CFR 3171  
 Chevron  
 CO 3 34 FEDERAL 629H  
 Lea County, NM

**Pad Summary: CO Pad 627**

The table below lists all the wells for the given pad and their respective name and TVD's (ft) for their production target intervals:

Well Name(s)	Target TVD	Formation Desc.
CO 3 34 FEDERAL 627H	12,350	Wolfcamp A
CO 10 15 FEDERAL COM 628H	12,350	Wolfcamp A
CO 3 34 FEDERAL 629H	12,350	Wolfcamp A
CO 10 15 FEDERAL COM 630H	12,350	Wolfcamp A
CO 3 34 FEDERAL 631H	12,350	Wolfcamp A
CO 10 15 FEDERAL COM 632H	12,350	Wolfcamp A

**1. GEOLOGICAL TOPS**

Elevation: As seen in C-102

The estimated tops of important geologic markers are as follows:

FORMATION	LITHOLOGIES	TVD	MD	Producing Formation?
Rustler (RSLR)	Sandstone	887	888	No
Saldo (SLDO)	Anhydrite/Salt	1,213	1,219	No
Castile (CSTL)	Anhydrite/Salt	3,272	3,330	No
Lamar (LMAR)	Limestone/Shale	4,816	4,913	No
Bell Canyon (BEL)	Sandstone/Limestone	4,860	4,958	No
Cherry Canyon (CHR)	Sandstone/Siltstone	5,709	5,828	No
Brushy Canyon (BCN)	Sandstone/Limestone	7,093	7,233	No
Bone Spring (BSL)	Shale/Siltstone	8,736	8,876	No
Upper Avalon (AVU)	Shale	8,852	8,992	No
Lower Avalon (AVL)	Shale	9,218	9,358	No
First Bone Spring Upper (FBU)	Sandstone/Shale	9,742	9,882	No
First Bone Spring Lower (FBL)	Sandstone/Shale	10,068	10,208	No
Second Bone Spring Upper (SBU)	Sandstone/Shale	10,400	10,540	No
Second Bone Spring Lower (SBL)	Sandstone/Shale	10,911	11,051	No
Third Bone Spring (TBS)	Sandstone/Shale	11,647	11,787	No
Wolfcamp A (WCA)	Sandstone/Shale	12,070	12,224	Yes: Oil & Natural Gas

WELLBORE LOCATIONS	MD	TVD
SHL	-	-
KOP	11,689	11,672
FTP	12,810	12,388
LTP	23,258	12,396
BHL	23,308	12,396

Chevron  
CO 3 34 FEDERAL 629H  
Lea County, NM

**2. BOP EQUIPMENT AND TESTING**

Rating Depth 12,396 TVD

**Equipment**

Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing and a 10,000 psi rig stack for drilling the production hole section. See attached proposed schematics and 10,000 PSI Annular BOP Variance Request.

**Request Variance: Yes**

**Variance Request(s)**

Chevron respectfully request to vary from the 43 CFR 3172 where it states: "(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken." We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / ≥ 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized.

Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nipped up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Chevron respectfully requests a variance from the 0.422" annular clearance requirement per 43 CFR3172 for the intermediate 1 (salt) section under the following condition:  
1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing connection OD for the first 500' of overlap between both strings.

**Testing Procedure**

The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request ). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the Digital BOP Test Method in lieu of the standard test chart. In the event the digital system is unavailable, the standard test chart will be used.

**3. CASING PROGRAM**

a. The proposed PRIMARY casing program will be as follows:

Purpose	Top (MD)	Top (TVD)	Bot (MD)	Bot (TVD)	Hole Size	Csg Size	Weight	Grade	Thread
Surface	0'	0'	1,072'	1,072'	17.5"	13.375"	54.5 #	J-55	BTC
Intermediate 1	0'	0'	4,893'	4,796'	12.25"	10.75"	40.5 #	J-55	BTC
Intermediate 2	0'	0'	11,669'	11,652'	9.875"	7.625"	29.7 #	P-110ICY	W441
Production Liner (Primary)	11,469'	11,452'	23,308'	12,396'	6.75"	5"	13.0 #	P-110ICY	W421
Production Liner (Alternative)	11,469'	11,452'	23,308'	12,396'	6.75"	5-1/2"	17.0 #	P-110ICY	W451

Surface casing set below magenta dolomite and above top of salt (25 ft below los medianos)

- b. All casing strings will be new pipe.
- c. Casing design depths subject to revision based on directional drilling and geologic conditions encountered.
- d. Chevron will keep intermediate casing fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to surpass 1/3 of casing, while running intermediate casing in order to maintain collapse SF.
- e. Chevron will keep 5" 13# Production liner fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to surpass 1/3 of casing, while running production liner casing in order to maintain collapse SF.
- f. The 5.5" 17# W451 Production liner is an alternative liner that will be "floated" in the event of challenges running the 5" 13# fluid-filled liner

Casing String	Min SF Collapse	Min SF Burst	Min SF Axial (Joint)	Min SF Axial (Body)
Surface	2.03	1.51	15.56	14.60
Intermediate 1	Refer to attached casing design load analysis			
Intermediate 2	1.01	1.96	2.31	3.09
Production Liner (Primary)	Refer to attached casing design load analysis			
Production Liner (Alternative)	1.47	2.54	3.18	3.46

g. All minimum safety factors are calculated in bouyant conditions.

4. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	Quantity	Yield	Density	%Excess	Volume	Additives
				(sks)	(cuft/sk)	(ppg)		(cuft)	
<b>Surface Casing 13-3/8"</b>									
Lead	Class C	0'	530'	91	2.29	12.8	25	208	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	530'	1,072'	690	1.35	14.8	25	931	Extender, Antifoam, Retarder, Viscosifier
<b>Intermediate 1 Casing 10-3/4"</b>									
<i>Planned single stage cement job</i>									
Lead	Class C	0'	3,893'	360	2.29	11.5	25	825	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	3,893'	4,893'	175	1.63	12.6	25	285	Extender, Antifoam, Retarder, Viscosifier
<i>Contingency: Top Job</i>									
1st Tail	Class C	0'	3,893'	857	1.35	14.8	25	1157	Extender, Antifoam, Retarder, Viscosifier
<b>Intermediate 2 Casing 7-5/8"</b>									
<i>Planned single stage cement job</i>									
Lead	Class C	0'	10,669'	766	3.52	10.5	25	2695	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	10,669'	11,669'	192	1.52	12.6	25	292	Extender, Antifoam, Retarder, Viscosifier
<i>Contingency: Top Job</i>									
1st Tail	Class C	0'	8,669'	1877	1.35	14.8	25	2533	Extender, Antifoam, Retarder, Viscosifier
<b>Production Liner 5</b>									
Lead	Class H	11,469'	23,308'	1092	1.52	12.6	25	1660	Extender, Antifoam, Retarder, Viscosifier

Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.

Lea County, NM

**5. MUD PROGRAM**

Top	Bottom	Type	Min MW	Max MW at TD	Additional Characteristics
0'	1,072'	Spud Mud	8.3	10	
1,072'	4,893'	Brine	8.3	11.5	Saturated brine would be used through salt sections.
4,893'	11,669'	WBM/Brine	8.3	12.0	
11,669'	23,308'	OBM	8.6	13.0	Due to wellbore instability in the lateral, may exceed the MW window needed to maintain overburden stresses

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transporting of E&P waste will follow EPA regulations and accompanying manifests.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

**6. TESTING, LOGGING, AND CORING**

- a. **Production tests are not planned.**
- b. Logs run include: **Gamma Ray Log, Directional Survey**
- c. **Coring Operations are not planned.**

**7. ABNORMAL PRESSURES AND HYDROGEN SULFIDE**

Anticipated BHP	<b>8,380</b> psi
Anticipated BHT	<b>216</b> °F
Anticipated abnormal pressures?	<b>Yes</b>
Describe abnormal pressures	Pressure ramp begins in the bottom of the Third Bone Spring formation
Contingency plan(s) description:	<ul style="list-style-type: none"> <li>- Casing design accounts for pressure ramp</li> <li>- Mud weighting agents available on location to increase drilling fluid density</li> <li>- BOP, choke, and well control drills</li> <li>- BOP functioned and pressure tested</li> </ul>

Hydrogen sulfide gas is not anticipated: However the H2S Contingency plan is attached with this APD in the event that H2S is encountered

**8. OTHER ITEMS**

- a. **Batch drilling** will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.
- b. **Shallow rig** may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.
- c. **Wait on cement** duration for surface and intermediate string(s) will be based on time for tail slurry to develop 500 psi compressive strength and will follow rules as laid out in 43 CFR 3172
- d. **Offline cementing** will be employed on the hole sections that run a long string casing to surface. Offline cementing schematic below.

Sante Fe Main Office  
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General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/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 572199

**CONDITIONS**

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 572199
	Action Type: [C-103A] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	4/13/2026
matthew.gomez	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	4/13/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If strata isolation is not achieved, remediation will be required before further operations may commence.	4/13/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	4/13/2026
matthew.gomez	Cement must be in place for at least eight hours AND achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	4/13/2026
matthew.gomez	Administrative order required for non-standard location prior to production.	4/13/2026
matthew.gomez	All previous COA's still apply.	4/13/2026
matthew.gomez	Pool code is now 98270 if production exists, C-115 monthly production reports must be amended from the effective date onward.	4/13/2026