

ID NO. 205060

NSP - 2154

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO: pLEL2309733722
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Cimarex Energy Co. **OGRID Number:** 215099
Well Name: Cascade 19 Federal Wells **API:** Various
Pool: WC-025G-09S253309; UPR Wolfcamp **Pool Code:** 98180

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☒ NSP (PROPORTION UNIT)☐ SD

B. Check one only for [I] or [II]

[I] Commingling - Storage - Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

[II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX☐ PMX☐ SWD☐ IPI☐ EOR☐ PPR**FOR OCD ONLY**

☐ Notice Complete
☐ Application Content Complete

2) **NOTIFICATION REQUIRED TO:** Check those which apply.A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☐ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☐ Surface ownerG. ☐ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Deana M. Bennett

Print or Type Name

Deana M. Bennett
 Signature

04/06/2023

Date

505-400-4497

Phone Number

deana.bennett@modrall.com

e-mail Address



MODRALL SPERLING

L A W Y E R S

VIA ELECTRONIC FILING

April 6, 2023

Acting Director Dylan M. Fuge and OCD Engineering Bureau
 Oil Conservation Division
 Energy, Minerals and Natural Resources Department
 1220 South Saint Francis Drive
 Santa Fe, New Mexico 87505

Earl E. DeBrine
 505.848.1810
 edebrine@modrall.com

Deana M. Bennett
 505.848.1834
 Deana.bennett@modrall.com

Re: Application of Cimarex Energy Co. for administrative approval of a 640-acre, more or less, non-standard spacing unit in the Wolfcamp Formation comprised Section 29, Township 25 South, Range 33 East, Lea County New Mexico.

Dear Director Fuge/OCD Engineering Bureau

Pursuant to Rule 19.15.16.15(B)(5) NMAC, Cimarex Energy Co. ("Cimarex"), OGRID Number 215099, is seeking administrative approval of a 640-acre, more or less, non-standard spacing unit ("NSU") for its Cascade 29 Federal wells listed below (the "Wells") to be drilled in Section 29, Township 25 South, Range 33 East, Lea County, New Mexico. The only pool within the Bone Spring formation underlying the proposed non-standard spacing unit is WC-025 G-09 S253309P; UPR Wolfcamp (Code 39981), which follows the statewide spacing rules. Within the proposed non-standard spacing unit, Cimarex intends to drill the following Wells within the Bone Spring formation:

<u>Well Name</u>	<u>API</u>
Cascade 29 Federal 15H	(30-025-46355)
Cascade 29 Federal 16H	(30-025-46305)
Cascade 29 Federal 17H	(30-025-46306)
Cascade 29 Federal 18H	(30-025-50787)
Cascade 29 Federal 71H	(30-025-50784)
Cascade 29 Federal 72H	(30-025-50291)
Cascade 29 Federal 73H	(30-025-50292)
Cascade 29 Federal 74H	(30-025-50293)
Cascade 29 Federal 75H	(30-025-50294)

C-102s for each well are attached hereto as **Exhibit A**. Each well will comply with the statewide setback requirements for the non-standard spacing unit.

Modrall Sperling
 Roehl Harris & Sisk P.A.

500 Fourth Street NW
 Suite 1000
 Albuquerque,
 New Mexico 87102

PO Box 2168
 Albuquerque,
 New Mexico 87103-2168

Tel: 505.848.1800
 www.modrall.com

Page 2

Cimarex seeks administrative approval of this non-standard spacing unit to match the pending Communitization Agreement to provide for efficient development and to minimize surface disturbance by consolidating facilities and commingling production from existing and future wells in the proposed non-standard spacing unit. Accordingly, approval of this administrative application will allow for full development of the communitized acreage, promote efficiently located surface facilities, reduce surface disturbance, consolidate roads, tanks and pipelines; and promote effective well spacing.

A tract map of is attached hereto as **Exhibit B**. Also included in Exhibit B is a map comparing and contrasting the standard versus non-standard unit scenario, a tract map showing the approximate Well locations, and a list of the Wells.

Exhibit C is a letter from reservoir engineer explaining the need for a non-standard unit and the benefits associated with a non-standard, as opposed to standard, unit. Exhibit C includes three attachments that compare and contrast the standard versus non-standard unit scenario.

Cimarex is providing notice to all affected parties in the tracts that adjoin the proposed non-standard spacing unit, and the Bureau of Land Management. There are no State minerals so no notice to the State Land Office is required. A chart identifying the offset affected parties, as well as proof of mailing notice of the application (including a copy of the application) to affected persons entitled to notice is attached hereto as **Exhibit D**. Also included in Exhibit D is a map identifying the affected tracts and ownership for notice purposes.

Your attention to this matter is appreciated.

Sincerely,



Earl E. DeBrine

Deana M. Bennett

*Attorneys for Cimarex
Energy Co.*

F/R

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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SEP 11 2019
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Revised August 1, 2011
Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025- ¹ APN Number 96755	98180 ² Pool Code	WC-025 G-09 S253309P:Upr Wolfcamp ³ Pool Name
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 15H
⁷ OCRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3402.3'

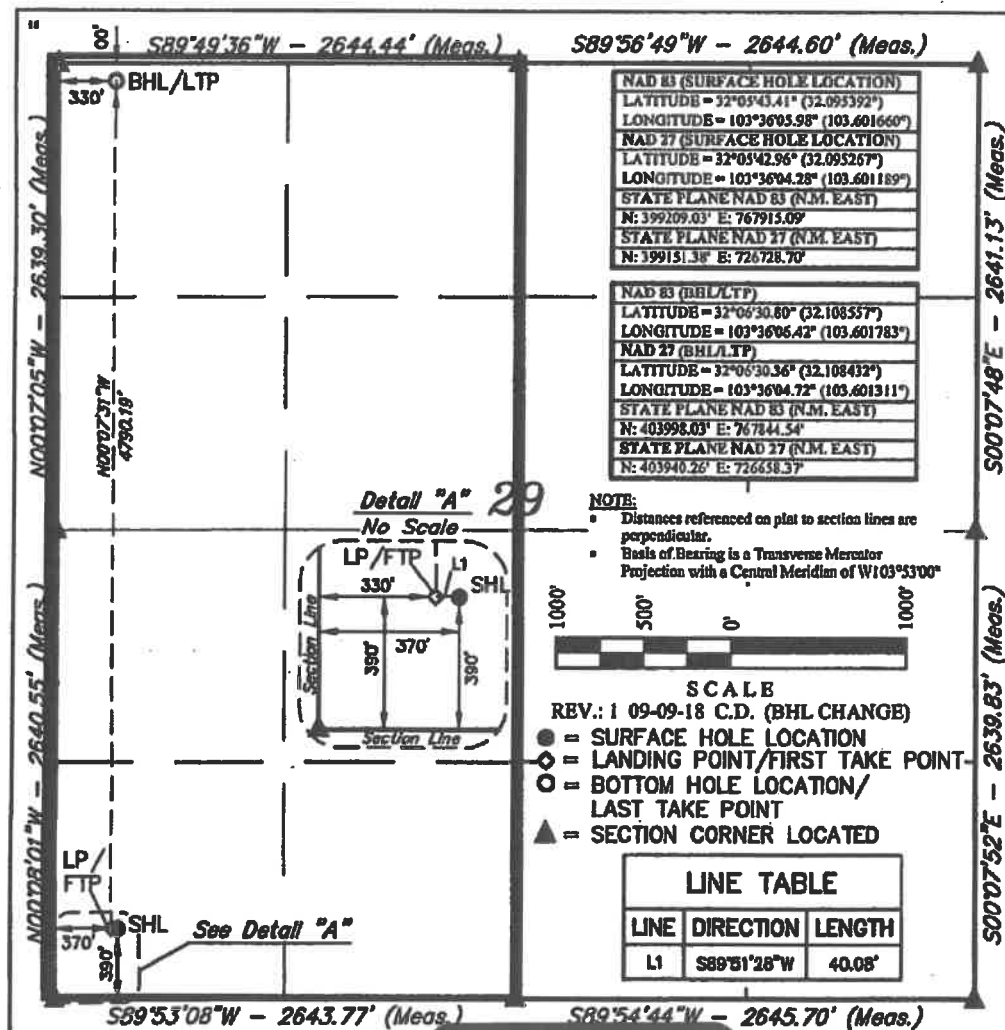
"Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	25S	33E		390	SOUTH	370	WEST	LEA

"Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	25S	33E		100	NORTH	330	WEST	LEA
¹⁰ Dedicated Acres 320		¹¹ Joint or Infill		¹² Consolidation Code		¹³ Order No.			

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.



"OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Sharon LaValley* Date: 11/13/18

Printed Name: Sharon LaValley

E-mail Address: slavalley@cimarex.com

"SURVEYOR
CERTIFICATION

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

July 07, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

EXHIBIT

A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (505) 334-6170
District III
1000 Rio Hrazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
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WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025 APL Number 46305	98180 Pool Code	WC-025 G-09 S253309P:Upr Wolfcamp Pool Name
37781 Property Code	CASCADE 29 FEDERAL Property Name	16H Well Number
215099 OCRID No.	CIMAREX ENERGY CO. Operator Name	3402.7' Elevation

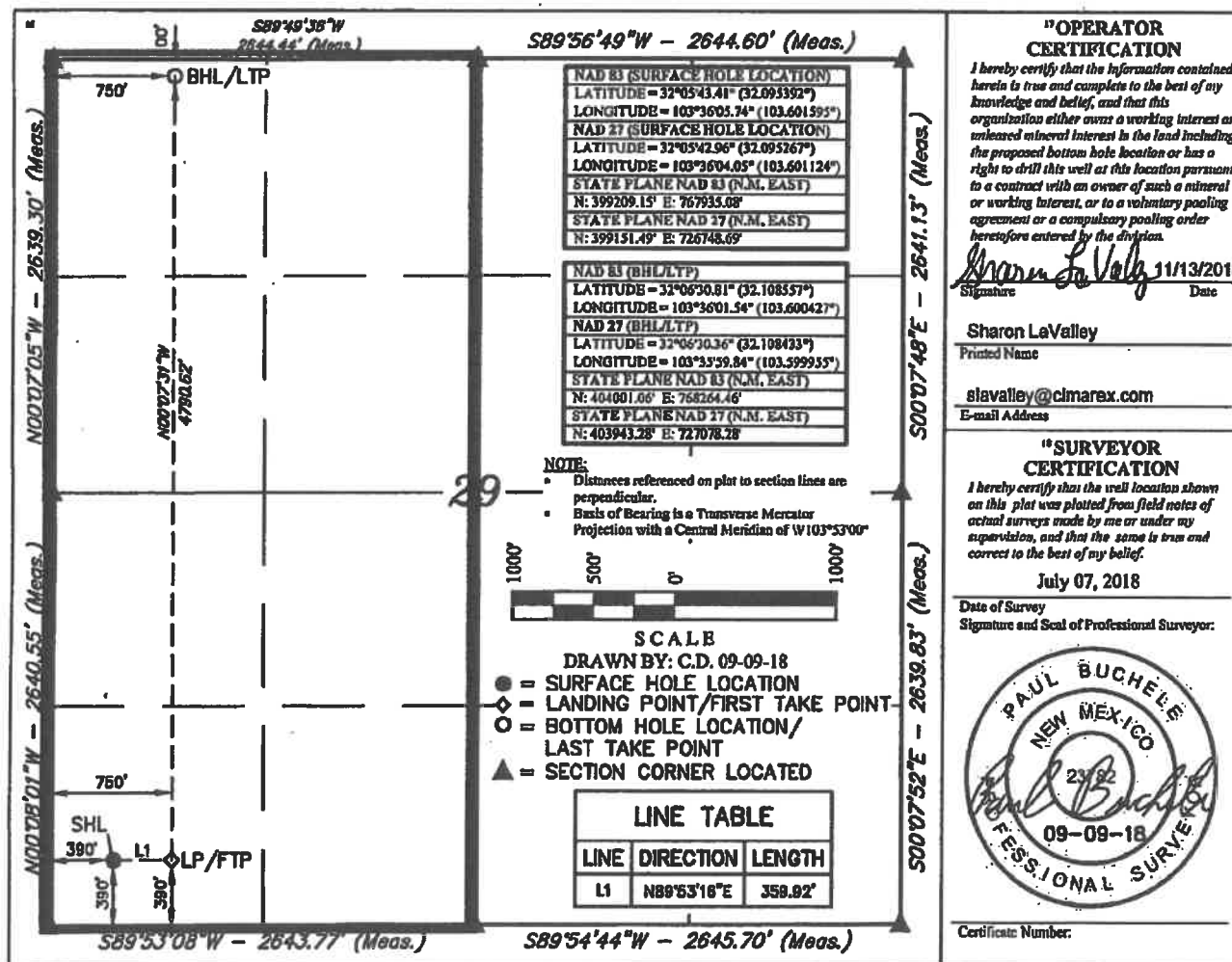
"Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	25S	33E		390	SOUTH	390	WEST	LEA

"Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	25S	33E		100	NORTH	750	WEST	LEA
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

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.



SL

District 1
1625 Ranch Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax: (505) 393-0720
District 2
811 S. First St., Aztec, NM 87410
Phone (505) 748-2233 Fax: (505) 748-9720
District 3
1000 W. Elmwood Road, Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170
District 4
1221 St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025 46906	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; Upr Wolfcamp
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 17H
⁷ OGRID No. 215090	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3402.2'

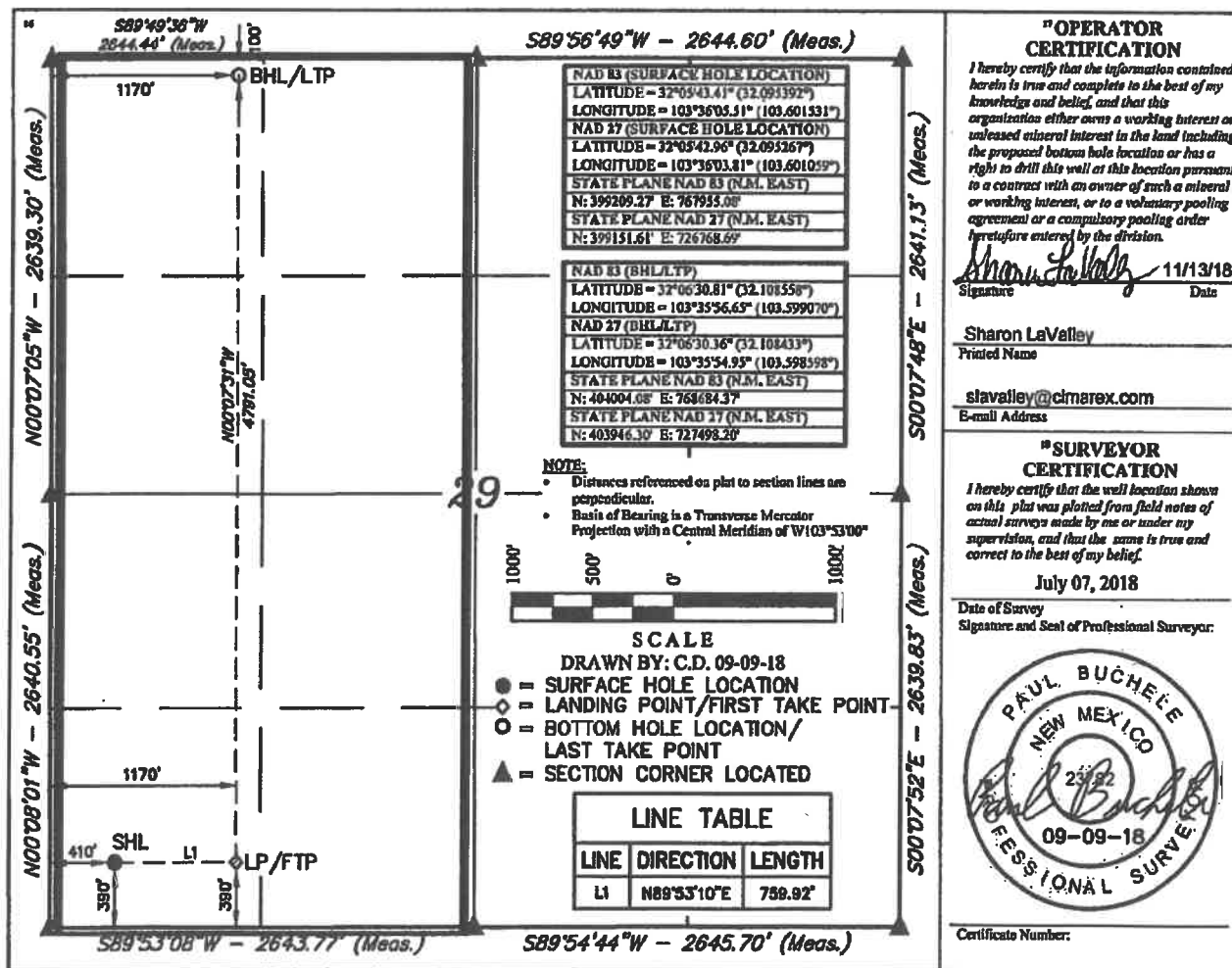
» Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	25S	33E		390	SOUTH	410	WEST	LEA

» Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	25S	33E		100	NORTH	1170	WEST	LEA
¹⁰ Dedicated Acres 320		¹¹ Joint or Infill		¹² Consolidation Code		¹³ Order No.			

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SL

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Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50787	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P:UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 18H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3402.4

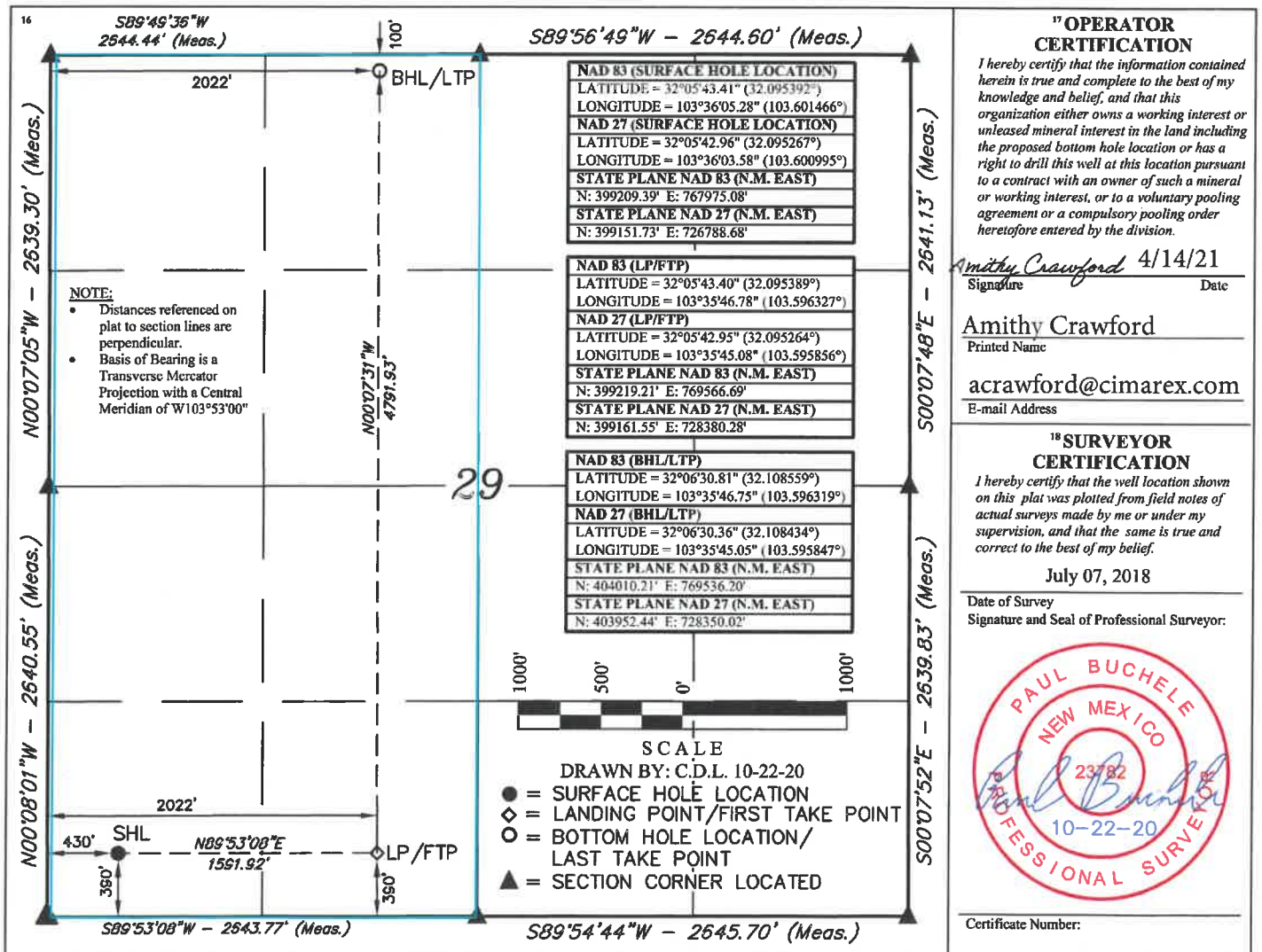
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	25S	33E		390	SOUTH	430	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	25S	33E		100	NORTH	2022	WEST	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



WELL DOES NOT QUALIFY AS A DEFINING WELL

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50784	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P;UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 71H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3398.5

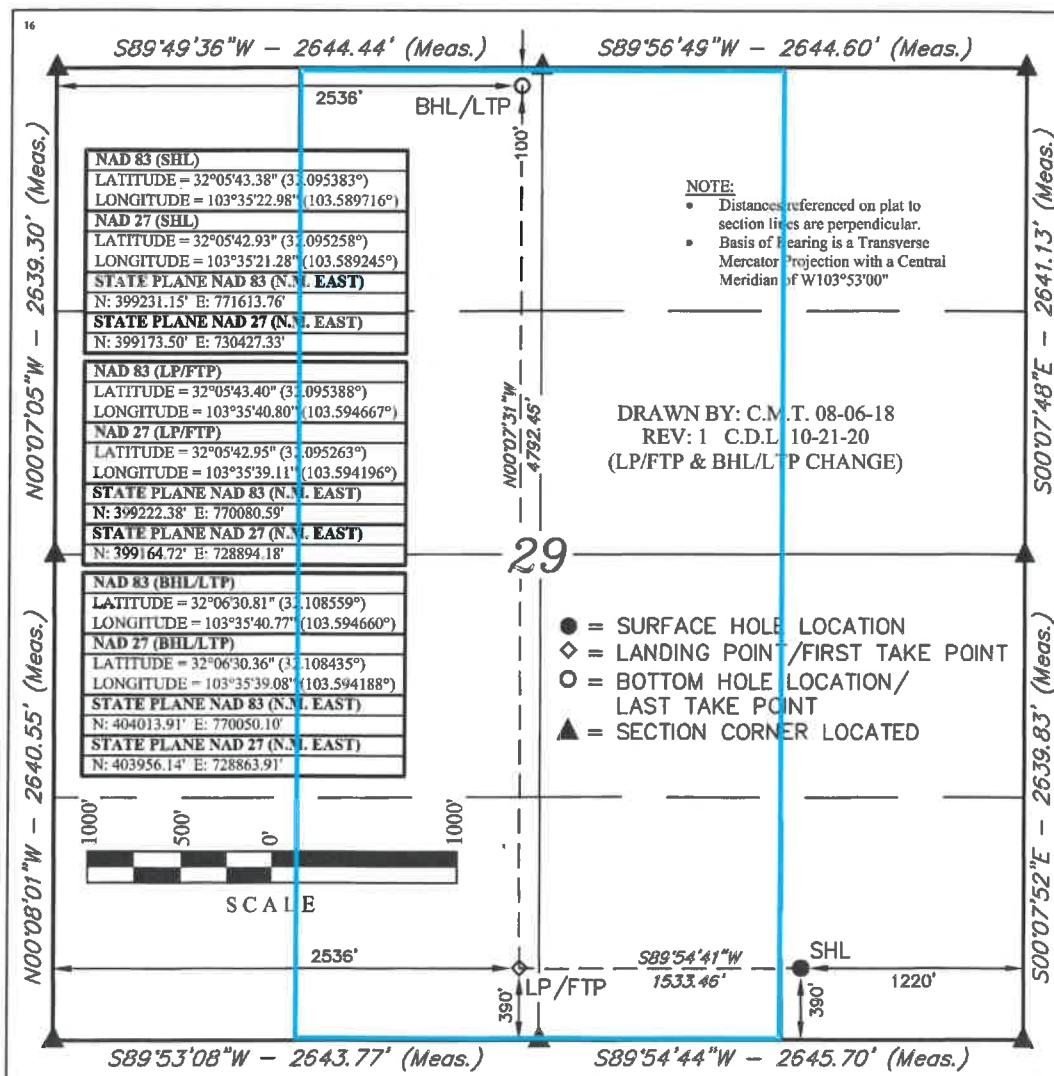
" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	25S	33E		390	SOUTH	1220	EAST	LEA

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	25S	33E		100	NORTH	2536	WEST	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



" OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amithy Crawford 3/30/2021
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

" SURVEYOR
CERTIFICATION

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

JULY 05, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50291	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 72H
⁷ GRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3398.8

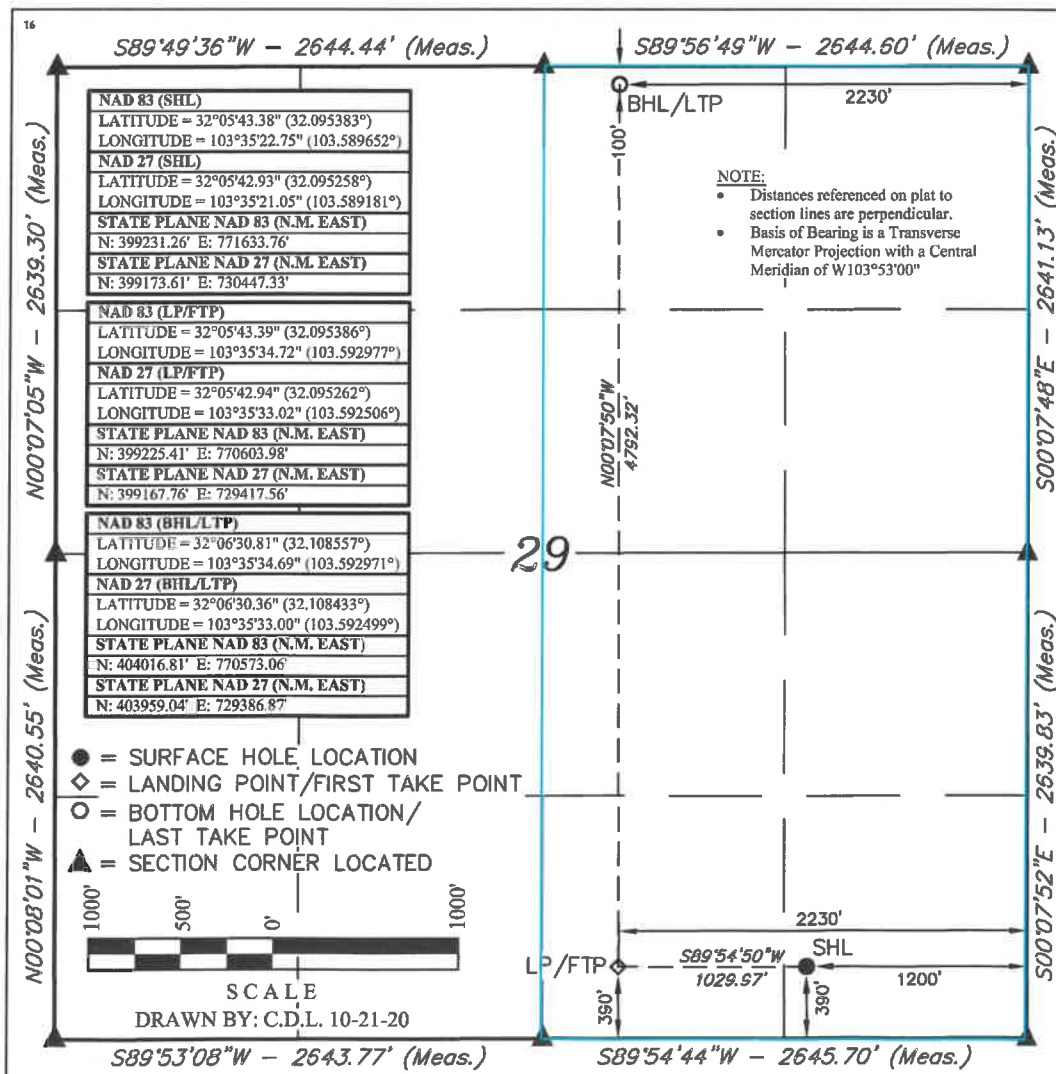
" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	25S	33E		390	SOUTH	1200	EAST	LEA

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	25S	33E		100	NORTH	2230	EAST	LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.



" OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@ciamrex.com
E-mail Address

" SURVEYOR
CERTIFICATION

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

JULY 05, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

State of New Mexico
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¹ API Number 30-025-50292		² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P;UPR WOLFCAMP	
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL		⁶ Well Number 73H	
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.		⁹ Elevation 3397.7	

10 Surface Location									
UL or lot no. P	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 1180	East/West line EAST	County LEA

UL or lot no. B	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1717	East/West line EAST	County LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Amithy Crawford Date 4/14/21

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

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

JULY 05, 2018

Date of Survey _____
Signature and Seal of Professional Surveyor: _____



Certificate Number:

State of New Mexico
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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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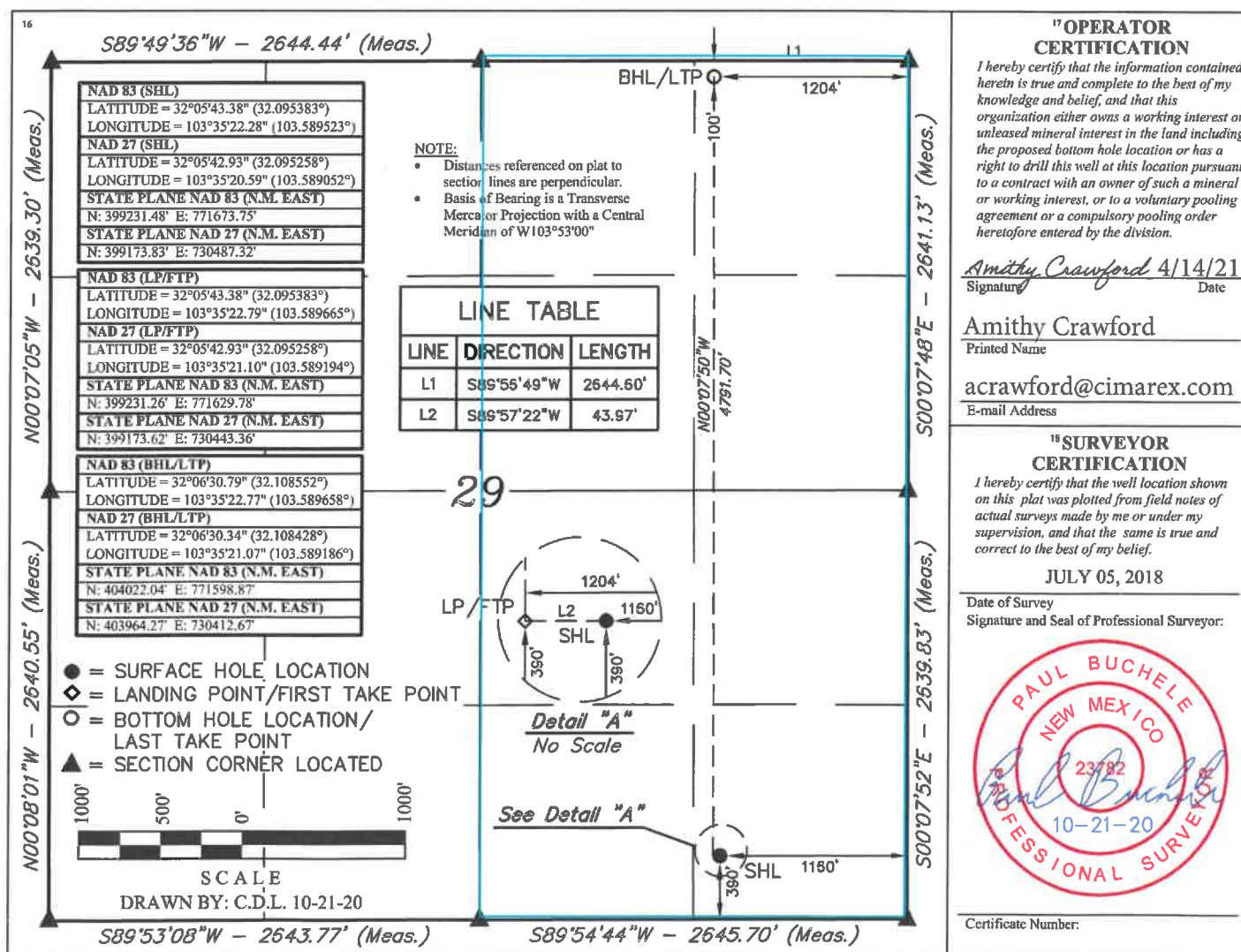
¹ API Number 30-025-50293		² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLF CAMP	
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL			⁶ Well Number 74H
⁷ GRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.			⁹ Elevation 3397.5

UL or lot no. P	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 1160	East/West line EAST	County LEA
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UL or lot no. A	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1204	East/West line EAST	County LEA
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
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Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ APT Number 30-025-50294	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 75H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3397.4

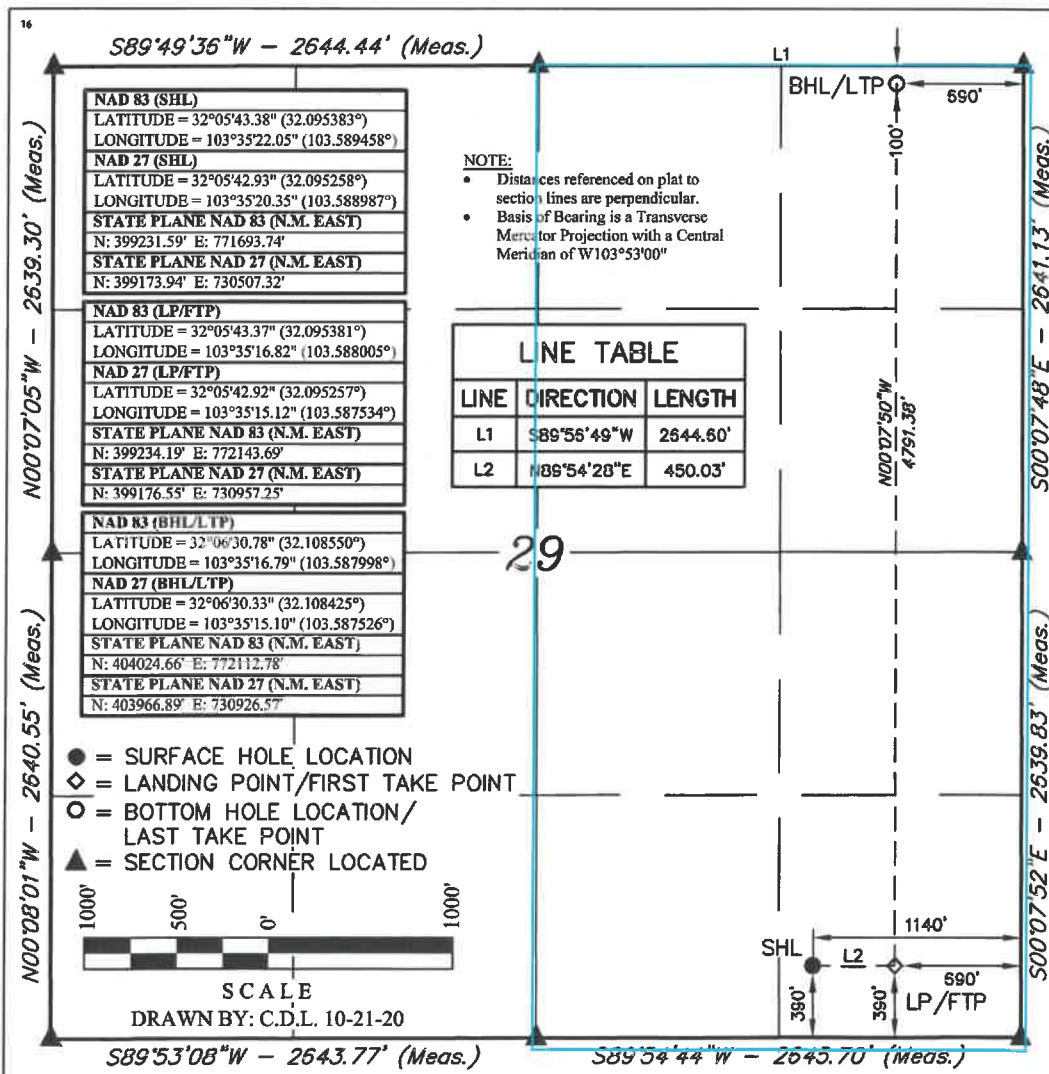
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	25S	33E		390	SOUTH	1140	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	25S	33E		100	NORTH	690	EAST	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



¹⁷ OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

¹⁸ SURVEYOR
CERTIFICATION

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

JULY 05, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

Cascade 29 Fed Com Area

Well List with Pool Code

Wolfcamp:Pool Code: 98180; WC-025 G-09 S253309P; Upper Wolfcamp

Cascade 29 Federal 15H	(30-025-46355)	Proposed Well
Cascade 29 Federal 16H	(30-025-46305)	Proposed Well
Cascade 29 Federal 17H	(30-025-46306)	Proposed Well
Cascade 29 Federal 18H	(30-025-50787)	Proposed Well
Cascade 29 Federal 71H	(30-025-50784)	Proposed Well
Cascade 29 Federal 72H	(30-025-50291)	Proposed Well
Cascade 29 Federal 73H	(30-025-50292)	Proposed Well
Cascade 29 Federal 74H	(30-025-50293)	Proposed Well
Cascade 29 Federal 75H	(30-025-50294)	Proposed Well

Cascade 29 Fed Com Area

Proposed Non-Standard Horizontal Spacing Unit
Section 29, T26S-R33E: All
640.00 Acres

Tract 1:
NMNM043562
(Fed)

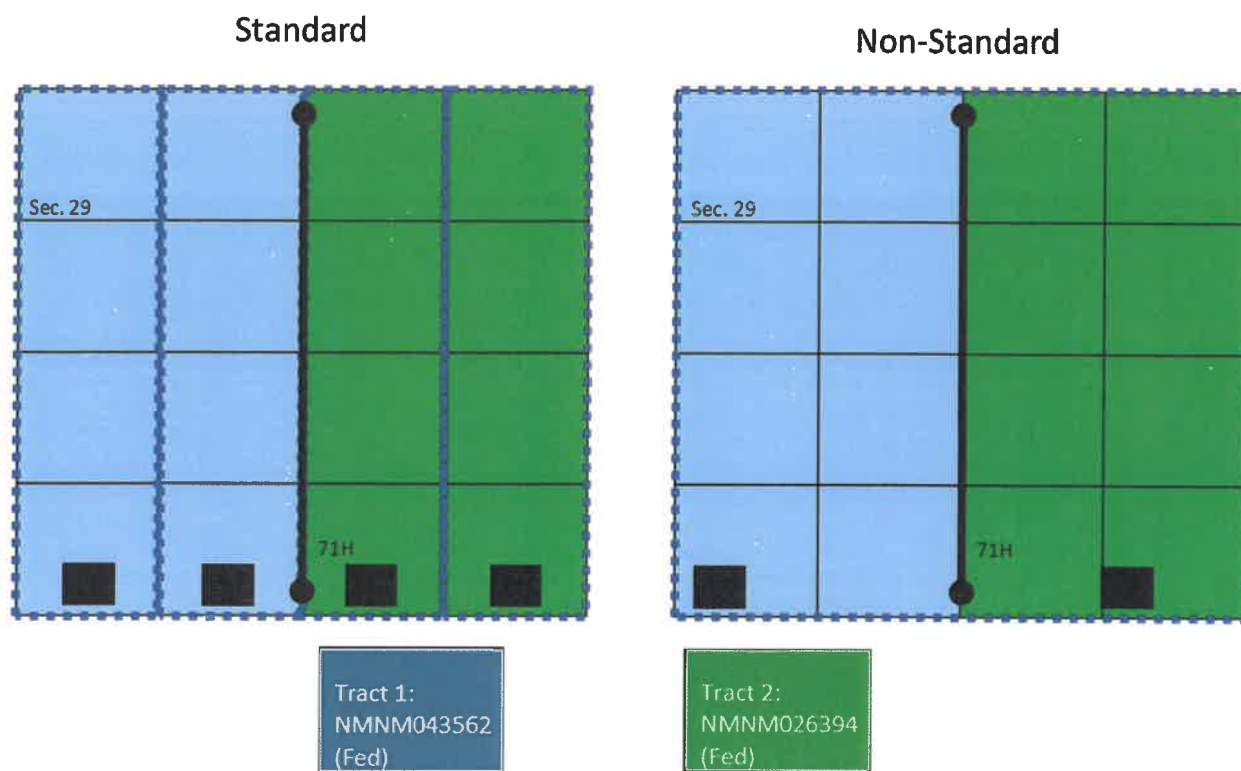
Tract 2:
NMNM026394
(Fed)

Sec. 29			



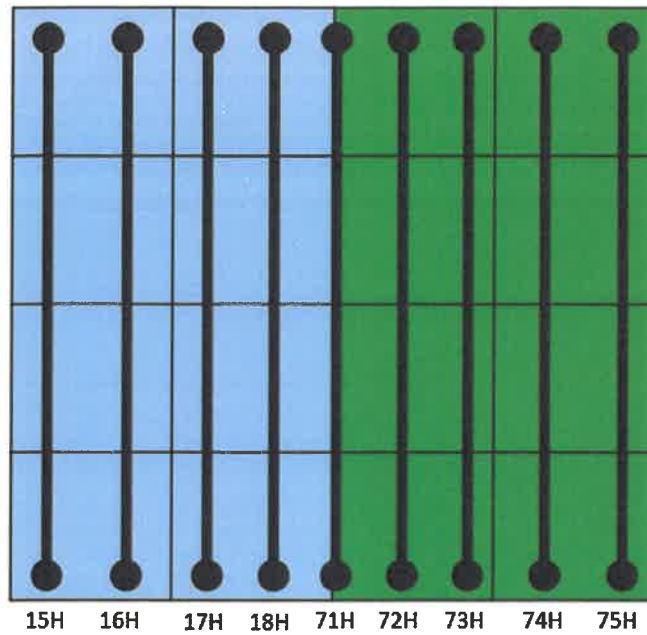
Cascade 29 Fed Com Area

Standard Spacing Unit Versus Non-Standard Spacing Unit



Cascade 29 Fed Com Area

Wolfcamp Development



Planned Development
(5/23):



Tract 1:
NMNM043562
(Fed)

Tract 2:
NMNM026394
(Fed)



March 20, 2023

VIA E-FILING

Acting Director Dylan M. Fuge and OCD Engineering Bureau
Oil Conservation Division
Energy, Minerals and Natural Resources Department
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Application of Cimarex Energy Co. for administrative approval of a 640-acre, more or less, non-standard spacing unit in the Wolfcamp Formation comprised Section 29, Township 25 South, Range 33 East, Lea County New Mexico.

Dear Director Fuge/OCD Engineering Bureau:

Cimarex Energy Co., OGRID Number 215099, respectfully requests administrative approval of a 640-acre, more or less, non-standard unit ("NSU") comprised of Section 29, Township 25 South, Range 33 East, Lea County, New Mexico. The NSU would be dedicated to the following wells (the "Wells"):

<u>Well Name</u>	<u>API Number</u>
Cascade 29 Federal 15H	(30-025-46355)
Cascade 29 Federal 16H	(30-025-46305)
Cascade 29 Federal 17H	(30-025-46306)
Cascade 29 Federal 18H	(30-025-50787)
Cascade 29 Federal 71H	(30-025-50784)
Cascade 29 Federal 72H	(30-025-50291)
Cascade 29 Federal 73H	(30-025-50292)
Cascade 29 Federal 74H	(30-025-50293)
Cascade 29 Federal 75H	(30-025-50294)

The Wells will develop the Wolfcamp formation, and the only pool within the Wolfcamp formation underlying the proposed NSU is WC-025 G-09 S253309P; UPR Wolfcamp (Code 39981), which follows the statewide spacing rules. If Cimarex were to follow the state-wide rules, Cimarex would have to have two (2) 320-acre units (using a proximity tract on each half section to create the 320-acre units) to have standard units. In addition, Cimarex would have to apply for non-standard location approval for the Cascade 29 Federal 71H well. Alternatively, Cimarex could have three standard 320-acre spacing units, but that would require that the units overlap. In Cimarex' opinion, a single non-standard unit is preferable to allow for more efficient development of the acreage as well as to match the corresponding proposed Communitization Agreement. In addition, a single 640-acre unit is optimal given that Cimarex owns 100% of the working interests in Section 29. None of the proposed wells

EXHIBIT

tabbies

C

encroach on any of the offsetting tracts, and therefore no offsetting tracts will be affected by this application. Cimarex is giving notice to the offsetting tracts as required by OCD's regulations.

Approval will allow Cimarex to use fewer surface facilities, which will in turn reduce surface disturbance by consolidating roads, tanks, and pipelines. In addition, approval of Cimarex' application promotes effective well spacing and will allow Cimarex to commingle production.

Conversely, if Cimarex' NSU application is not approved, Cimarex will need to construct additional flowlines, roads, and an additional CTB. I have included as Exhibits C-1 and C-2 slides showing that no additional facilities are needed for a non-standard unit (C-1) and the additional required infrastructure needed if Cimarex has to develop the Wells using standard spacing (C-2).

Exhibit C-3 compares and contrasts, in table format, the reduced surface acreage and the cost savings that will occur if the NSU is approved. Developing the acreage as a single, non-standard unit will result in 25 acres less surface disturbance than if Cimarex has to develop the acreage using standard units. If Cimarex' NSU application is approved, that would eliminate the need to build an additional central tank battery, which effectively cuts permitted fugitive VOC emissions, spill risk, and flares in half. In addition, total capital costs would be significantly reduced because no additional infrastructure is required to operate the single, non-standard unit.

In my opinion, approval of the NSU is in the best interest of conservation, prevention of waste, and protection of correlative rights.

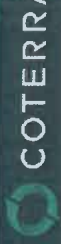
Thank you for your consideration. Should you have any questions please contact me at Eddie.Behm@coterra.com or (432) 571-7865.

Sincerely,

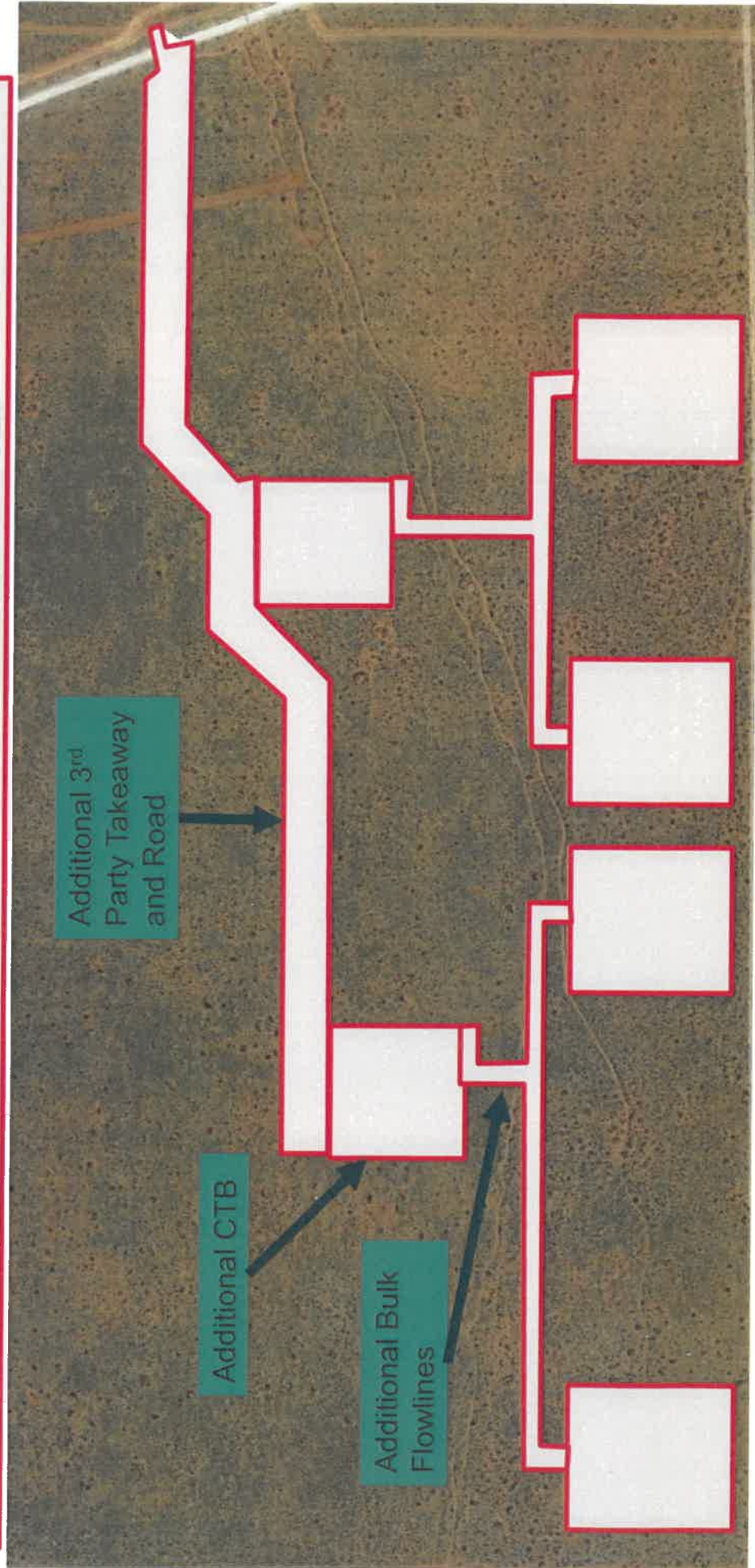
Eddie Behm
Reservoir Engineer
Cimarex Energy Co.

A handwritten signature in blue ink, appearing to read "Eddie Behm", with a long horizontal flourish extending to the right.

Surface Disturbance – Standard Spacing Unit



Standard Spacing Unit: Requires additional CTB, additional flowlines, and additional surface disturbance for third-party takeaway and road as identified by blue text boxes below

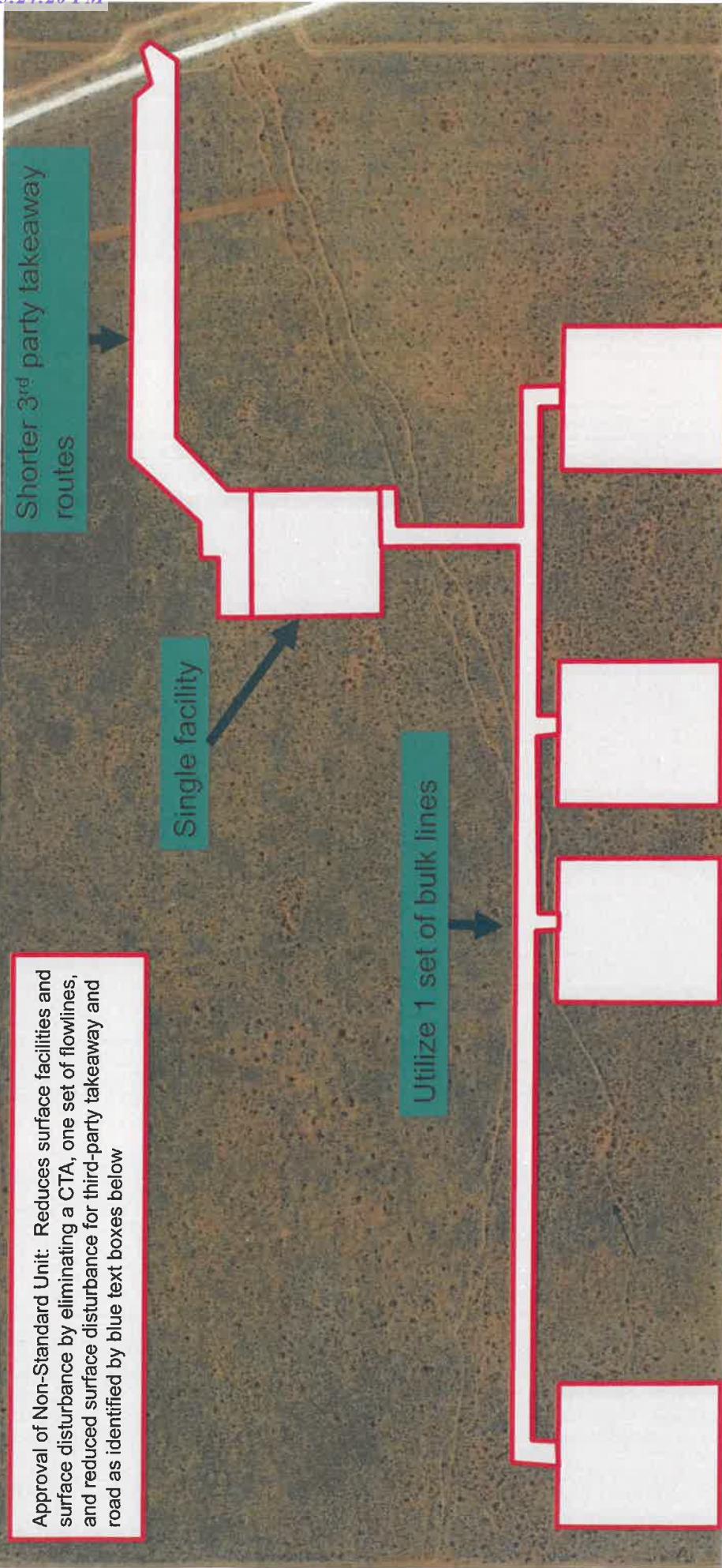
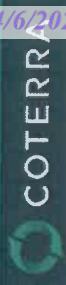


EXHIBIT

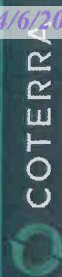
C.1

tabbles

Surface Disturbance – Non-Standard Spacing Unit



Environmental and Capital Savings



Scenario	Design Basis per CTB (BOPD)	CTB/Equipment Cost (\$M)	Pipeline Cost (\$M)	Total Capital (\$M)	CTB and Pipeline Disturbance (Acres)
Standard Spacing Unit	20,000	\$13,760	\$4,260	\$18,020	56
Non-Standard Spacing Unit	20,000	\$11,630	\$3,600	\$15,230	43
Savings	-	\$2,130	\$660	\$2,790	13

- Approval of a non-standard unit will allow consolidation of all production into a single facility and will eliminate the need to build an additional central tank battery and flowlines. Elimination of the additional central tank battery effectively cuts permitted fugitive VOC emissions, spill risk, and flares in half.





April 6, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL

TO AFFECTED PARTIES

Re: Application of Cimarex Energy Co. for administrative approval of a 640-acre, more or less, non-standard spacing unit in the Wolfcamp Formation comprised Section 29, Township 25 South, Range 33 East, Lea County New Mexico.

Dear Sir or Madam:

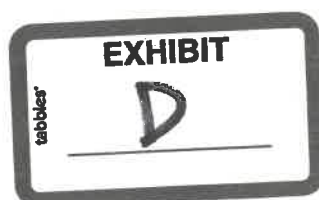
Enclosed is a copy of the above referenced application filed with the New Mexico Conservation Division on this date. Any objections that you have to this application must be filed in writing with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within twenty (20) days from the date the Division receives the above referenced application. If no objection is received within this twenty-day period, the application may be approved administratively by the Division.

If you have any questions concerning this application, please contact:

Eddie Behm
Reservoir Engineer
Cimarex Energy Co.
Eddie.Behm@coterra.com
(432) 571-7865

Sincerely,

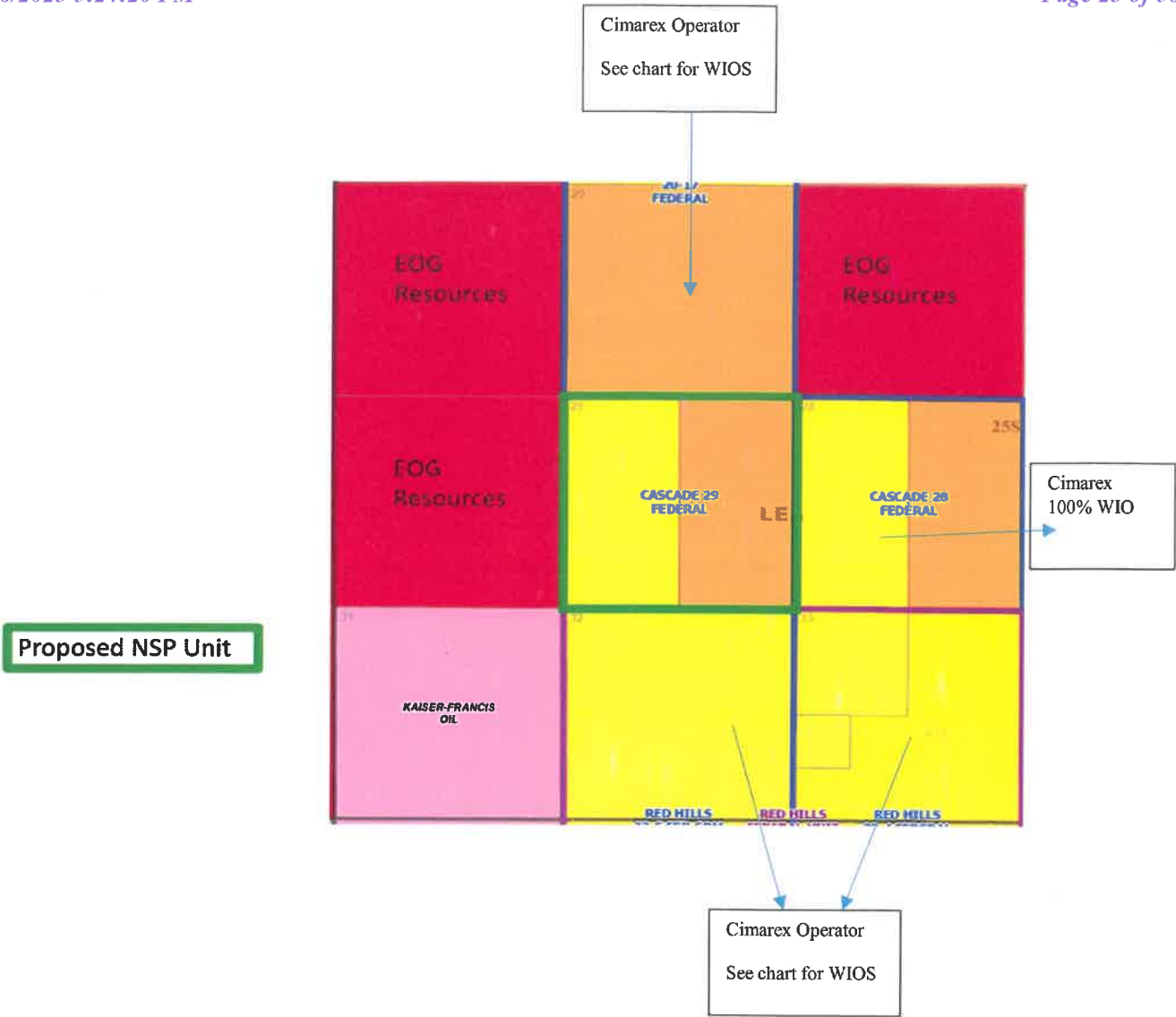

Deana M. Bennett
Attorney for Cimarex Energy Co.



Modrall Sperling
Roehl Harris & Sisk P.A.
500 Fourth Street NW
Suite 1000
Albuquerque,
New Mexico 87102

PO Box 2168
Albuquerque,
New Mexico 87103-2168

Tel: 505.848.1800
www.modrall.com



Offsetting Sections	Operator	WIOs If Needed N/A if Cimarex IS NOT operator	Date Notice Letter Sent
Section 21, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 20, T25S-R33E	Cimarex	CRP I LLC OXY USA Inc.	4/6/2023
Section 19, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 30, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 31, T25S-R33E	Kaiser Francis	N/A	4/6/2023
Section 32, T25S-R33E	Cimarex	Magnum Hunter Production Inc. (Cimarex affiliate) BTA Oil Producers COG Operating LLC Concho Oil & Gas LLC CXA Oil and Gas Holdings LP Devon Energy Production Co LP Finley Production Co LO Grasslands Energy LP Richard Scott Briggs	4/6/2023
Section 33, T25S-R33E	Cimarex	Magnum Hunter Production Inc. (Cimarex affiliate) COG Operating LLC Concho Oil & Gas LLC CXA Oil and Gas Holdings LP Devon Energy Production Co LP	4/6/2023

		Finley Production Co LO Grasslands Energy LP Richard Scott Briggs	
Section 28, T25S-R33E	Cimarex	Cimarex is 100% WIO	N/A

Other Notice Parties:

Other Notice Parties	Date Notice Letter Sent
Bureau of Land Management	4/6/2023

Karlene Schuman
 Modrall Sperling Roehl Harris & Sisk P.A.
 500 Fourth Street, Suite 1000
 Albuquerque NM 87102

PS Form 3877
 Type of Mailing: CERTIFIED MAIL
 04/06/2023

Firm Mailing Book ID: 244097

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0106 3087 07	Grasslands Energy LP attn: Traci Tucker 5128 Apache Plume Rd., Suite 300 Fort Worth TX 76109	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
2	9314 8699 0430 0106 3087 14	Richard Scott Briggs 1920 E. Riverside Dr., Suite A-120 #505 Austin TX 78741	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
3	9314 8699 0430 0106 3087 21	Finley Production Co. LP c/o Finley Resources Inc. Agent P.O. Box 2200 Fort Worth TX 76113	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
4	9314 8699 0430 0106 3087 38	CRP I LLC 6301 Waterford Blvd., Suite 215 Oklahoma City OK 73118	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
5	9314 8699 0430 0106 3087 45	CXA Oil and Gas Holdings LP 1302 West Ave. Austin TX 78701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
6	9314 8699 0430 0106 3087 52	Devon Energy Production Company Attn: Land Department 333 W. Sheridan Ave. Oklahoma City OK 73102	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
7	9314 8699 0430 0106 3087 69	COG Operating LLC Attn: Brian Dart 600 W. Illinois Ave. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
8	9314 8699 0430 0106 3087 76	Concho Oil and Gas Attn: Brian Dart 600 W. Illinois Ave. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
9	9314 8699 0430 0106 3087 83	Bureau of Land Management 301 Dinosaur Trail Santa Fe NM 87508	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
10	9314 8699 0430 0106 3087 90	EOG Resources Inc. Attn: Matthew Gray 5509 Champions Drive Midland TX 79706	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
11	9314 8699 0430 0106 3088 06	Oxy USA Inc. 5 Greenway Plaza, Suite 110 Houston TX 77046	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
12	9314 8699 0430 0106 3088 13	BTA Oil Producers 104 S. Pecos St. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice

Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87102

PS Form 3877
Type of Mailing: CERTIFIED MAIL
04/06/2023

Firm Mailing Book ID: 244097

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
13	9336 0699 0430 0106 3088 26	Kaiser-Francis Oil Company 6733 South Yale Avenue Tulsa OK 74136	\$2.46	\$4.15	\$2.10	\$6.65	82762.0128.Casca Notice
Totals:			\$31.98	\$53.95	\$27.30	\$6.65	
			Grand Total:		\$119.88		

List Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster: Name of receiving employee	Dated:
13			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Department **HOBBS OCD** Submit
SEP 11 2019 ☐
RECEIVED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025- ¹ API Number 30355		98180 ² Pool Code		WC-025 G-09 S253309P ³ Pool Name Upr Wolfcamp	
⁴ Property Code 39981		⁵ Property Name CASCADE 29 FEDERAL			⁶ Well Number 15H
⁷ OCRID No. 215099		⁸ Operator Name CIMAREX ENERGY CO.			⁹ Elevation 3402.3'

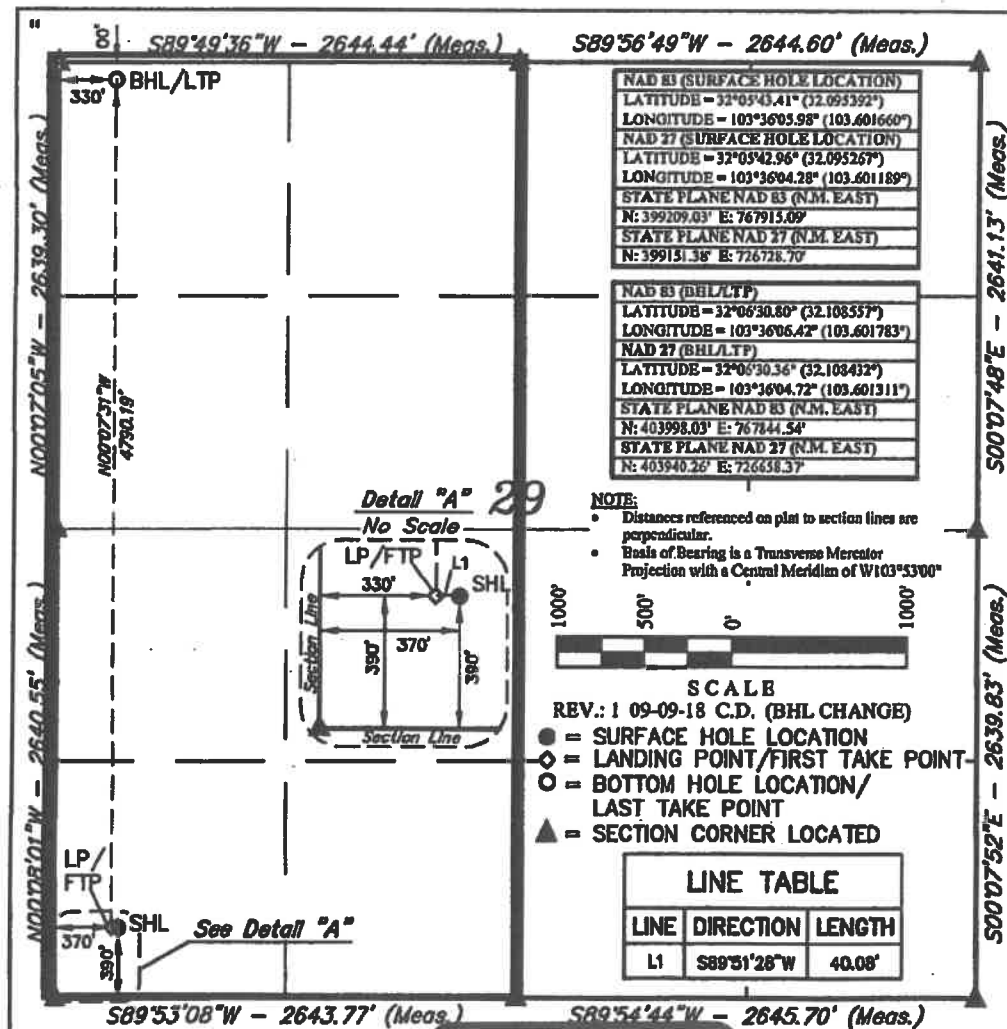
***Surface Location**

UL or lot no. M	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 370	East/West line WEST	County LEA
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"Bottom Hole Location If Different From Surface

UL or lot no. D	Section 29	Township 25S	Range 33E	Lot Ids	Feet from the 100	North/South line NORTH	Feet from the 330	East/West line WEST	County LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Sharon L. Valley 11/13/18 Date

Sharon LaValley
Printed Name

slavalley@clmarex.com
E-mail Address

**"SURVEYOR
CERTIFICATION**

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

July 07, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number

EXHIBIT

A

RECEIVED WELL LOCATION AND ACREAGE DEDICATION PLAT

56

District 1
1625 South Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax: (505) 393-0720
District 2
811 S. 1st St., Alamogordo, NM 88003
Phone (505) 748-2283 Fax: (505) 748-9720
District 3
1000 W. Brainerd Road, Aztec, NM 87410
Phone (505) 334-4781 Fax: (505) 334-6170
District 4
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 426-4600 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ AP# Number 30-025 46306	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; Upr Wolfcamp
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 17H
⁷ OGRID No. 216099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3402.2'

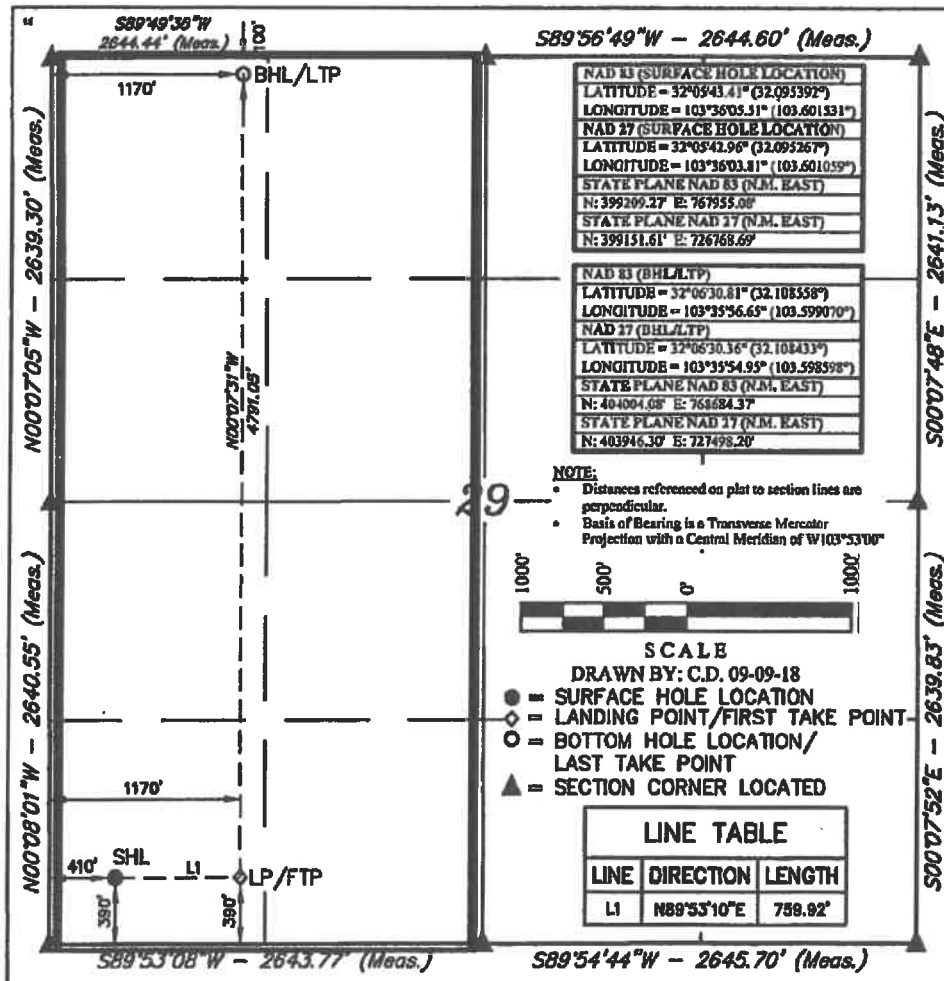
Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	29	25S	33E		390	SOUTH	410	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	29	25S	33E		100	NORTH	1170	WEST	LEA
¹³ Dedicated Acres 320	¹⁴ Joint or Infill	¹⁵ Consolidation Code	¹⁶ Order No.						

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.



**"OPERATOR
CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sharon LaValley 11/13/18
Signature Date

Sharon LaValley
Printed Name

slavalley@cimarex.com
E-mail Address

**"SURVEYOR
CERTIFICATION**

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

July 07, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50787	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P:UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 18H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3402.4

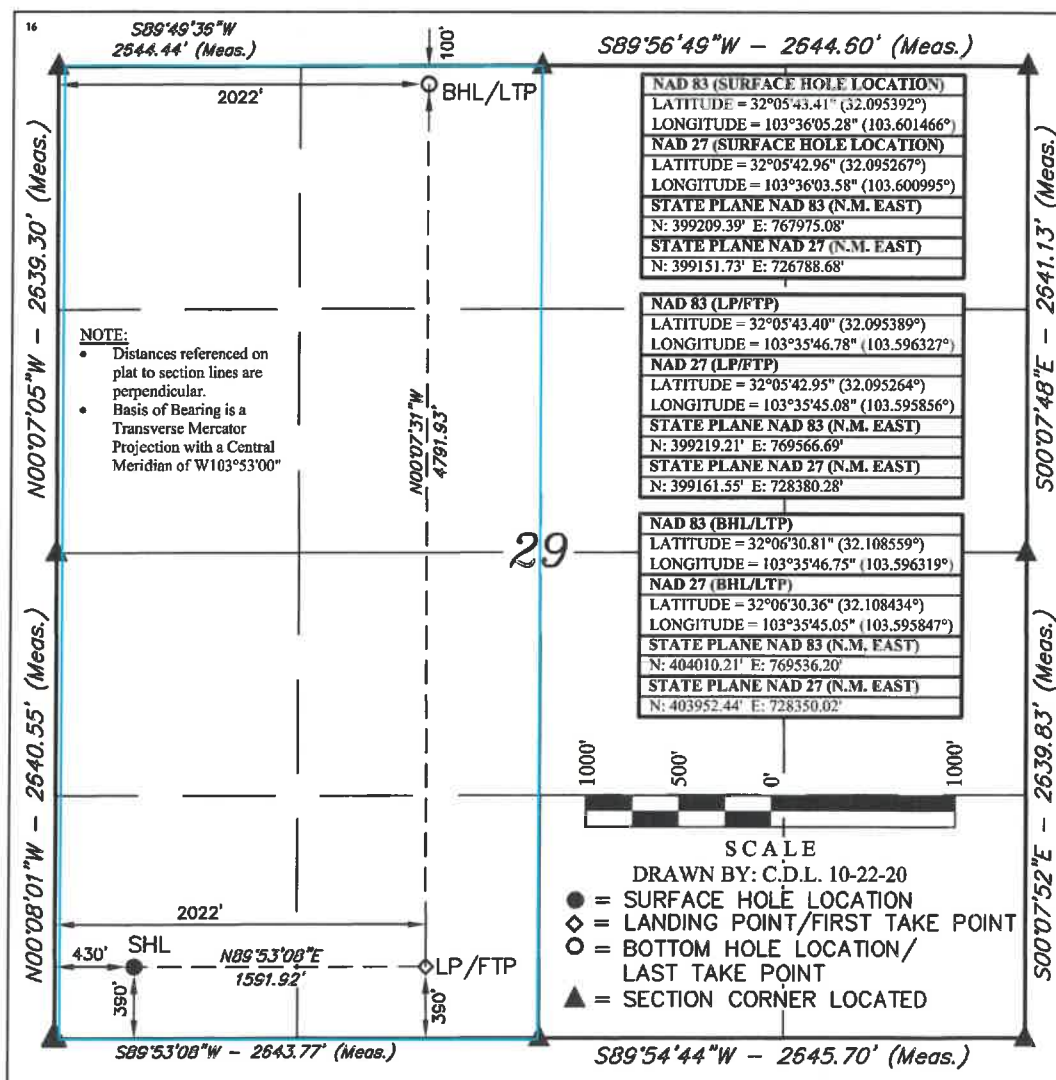
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	25S	33E		390	SOUTH	430	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	25S	33E		100	NORTH	2022	WEST	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



¹⁷ OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

¹⁸ SURVEYOR
CERTIFICATION

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

July 07, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

WELL DOES NOT QUALIFY AS A DEFINING WELL

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
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1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50784	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P;UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁶ Well Number 71H
		⁹ Elevation 3398.5

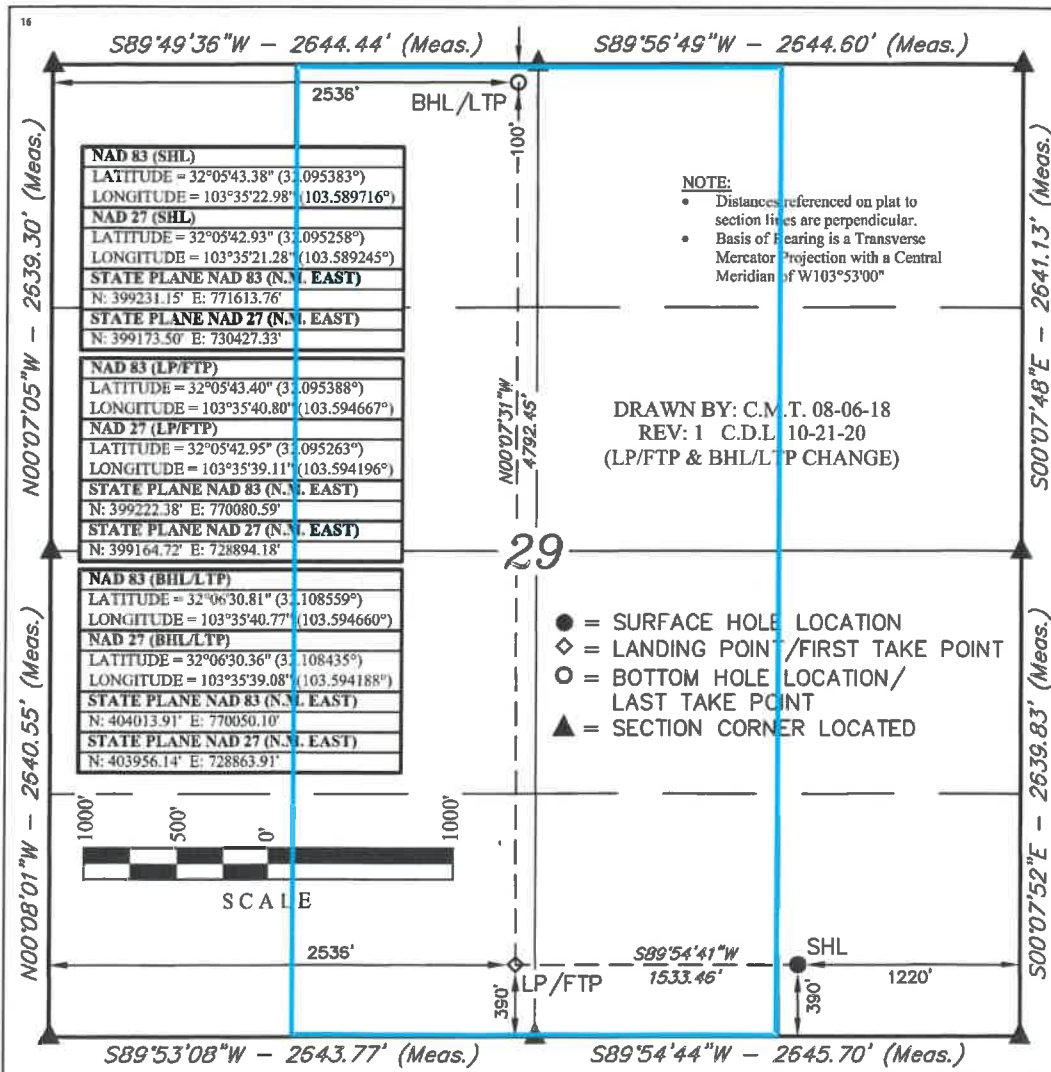
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	25S	33E		390	SOUTH	1220	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	25S	33E		100	NORTH	2536	WEST	LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.



**"OPERATOR
CERTIFICATION"**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amithy Crawford 3/30/2021
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

**"SURVEYOR
CERTIFICATION"**

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

JULY 05, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50291	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 72H
⁷ GRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3398.8

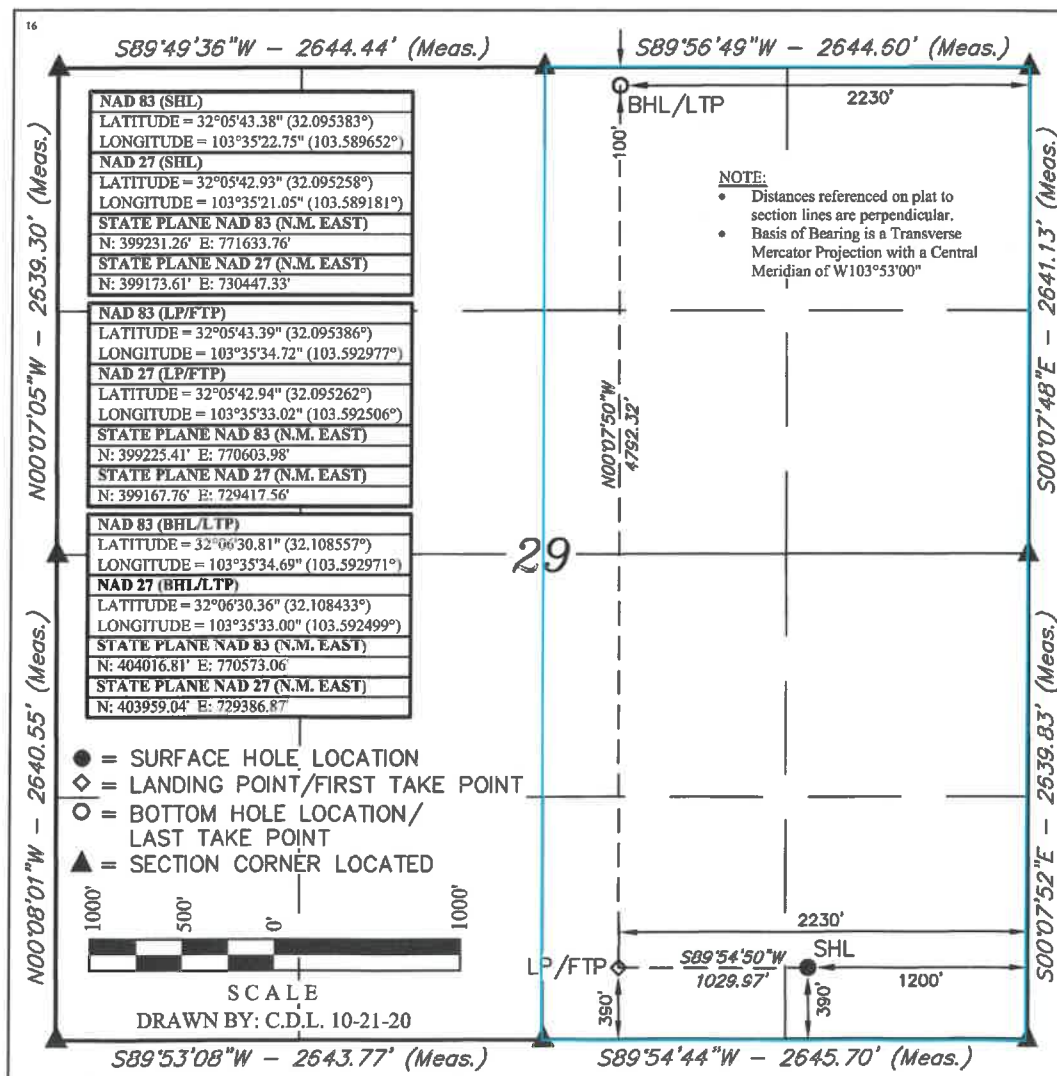
"Surface Location

UL or lot no. P	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 1200	East/West line EAST	County LEA
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"Bottom Hole Location If Different From Surface

UL or lot no. B	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2230	East/West line EAST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



**" OPERATOR
CERTIFICATION**

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Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@ciamrex.com
E-mail Address

**" SURVEYOR
CERTIFICATION**

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

JULY 05, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

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State of New Mexico
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OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50292	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 73H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3397.7

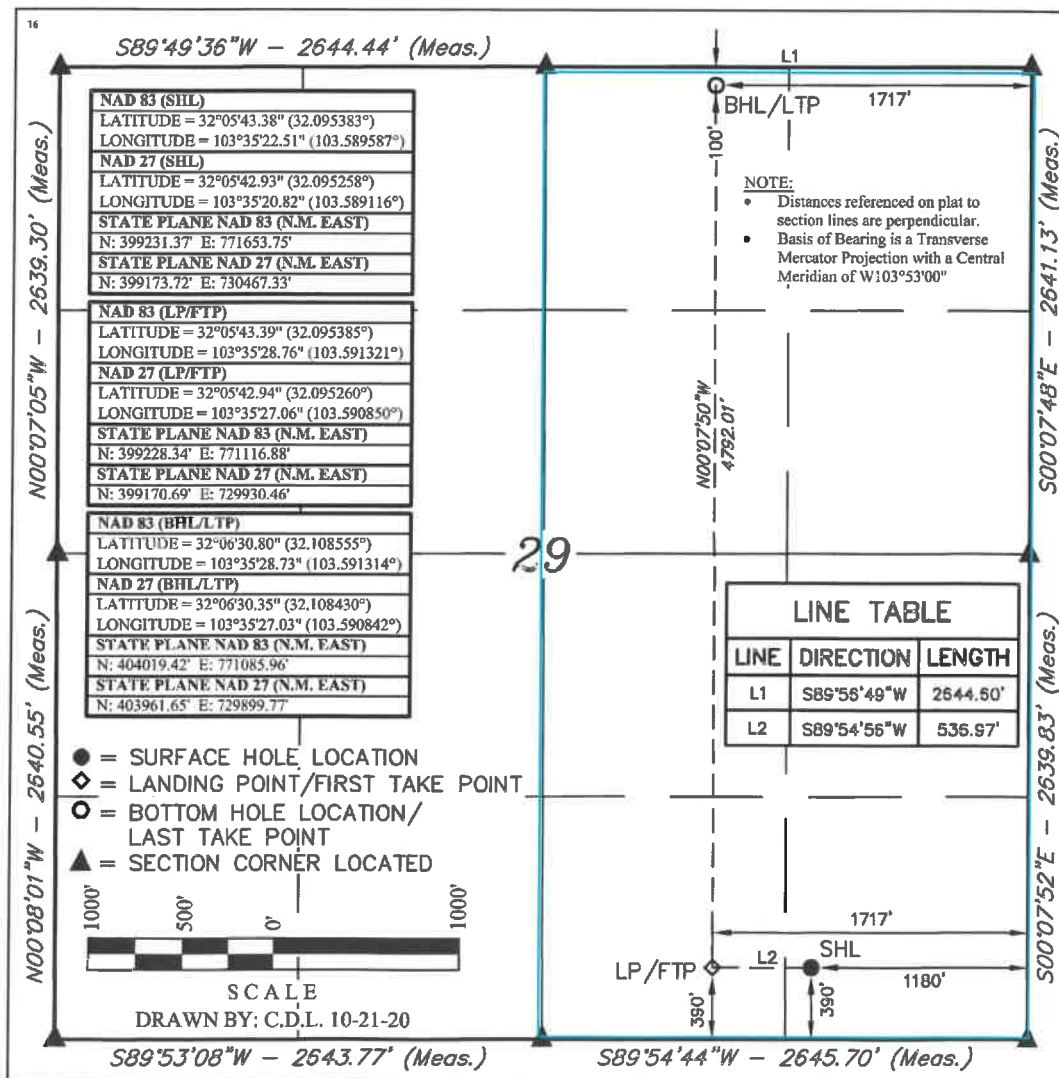
¹⁰ Surface Location

UL or lot no. P	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 1180	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1717	East/West line EAST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



¹⁷ OPERATOR CERTIFICATION

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Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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JULY 05, 2018

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50293	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 74H
⁷ GRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3397.5

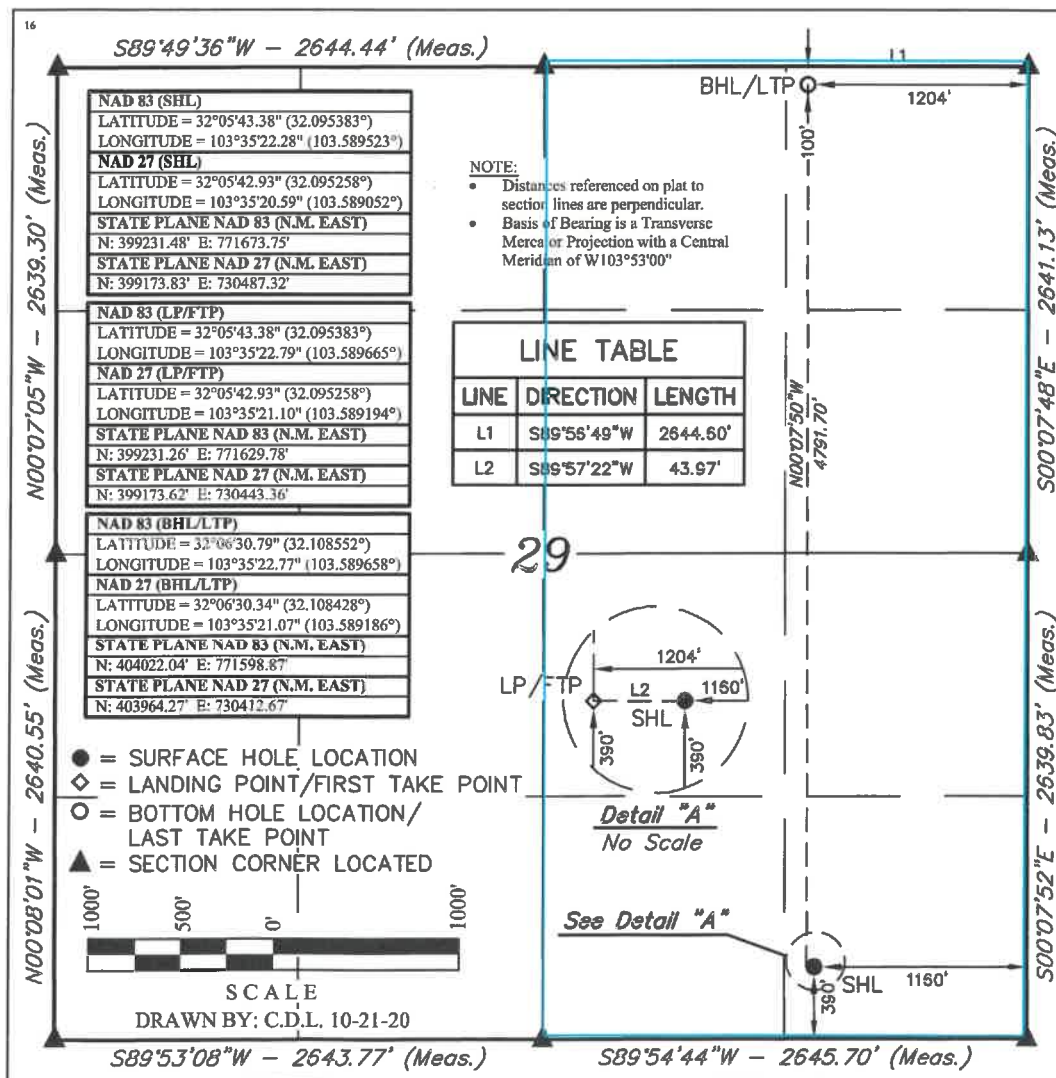
"Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	25S	33E		390	SOUTH	1160	EAST	LEA

"Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	25S	33E		100	NORTH	1204	EAST	LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
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1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ APT. Number 30-025-50294	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; UPR WOLFCAMP
⁴ Property Code 39981	⁵ Property Name CASCADE 29 FEDERAL	⁶ Well Number 75H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3397.4

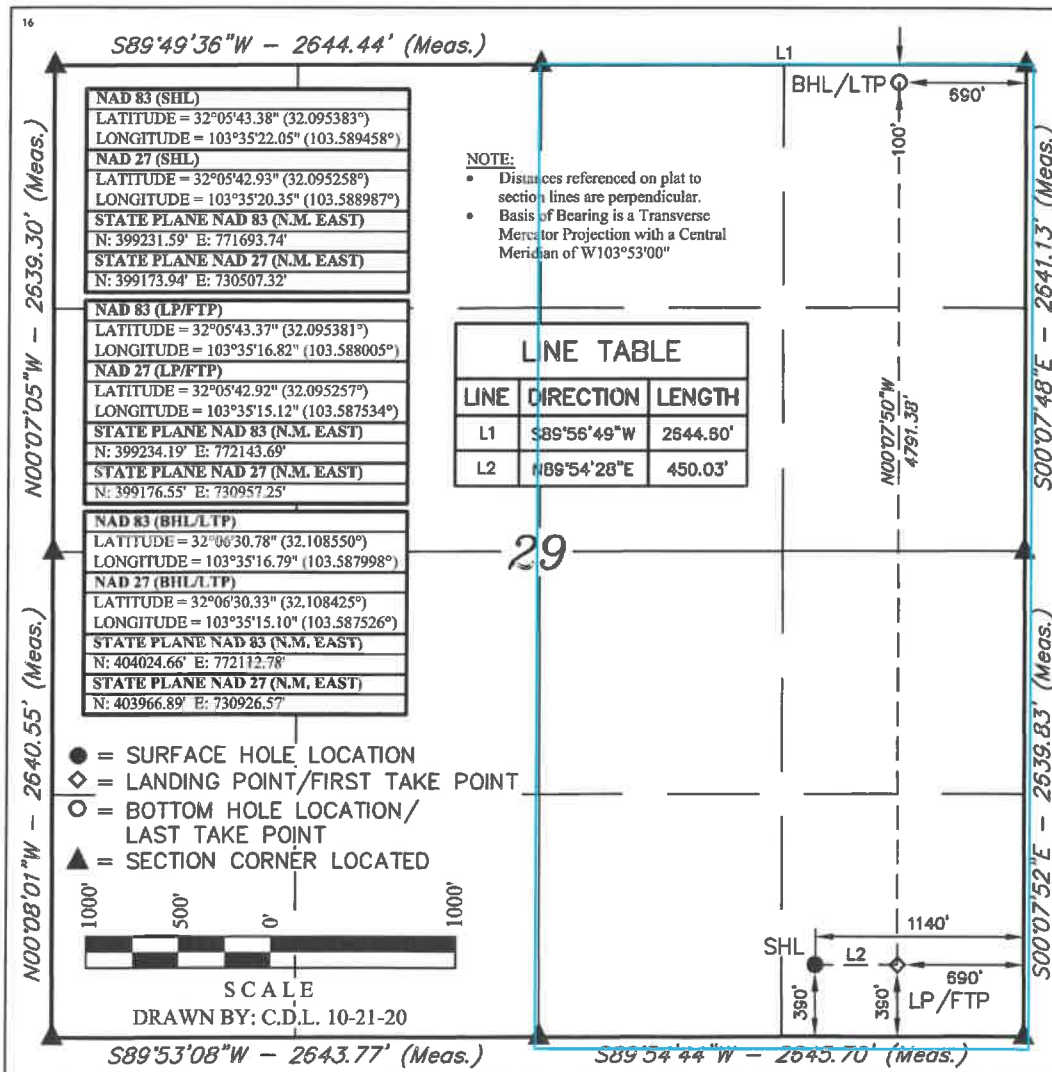
¹⁰ Surface Location

UL or lot no. P	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 1140	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. A	Section 29	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 690	East/West line EAST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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¹⁷ OPERATOR
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Amithy Crawford 4/14/21
Signature Date

Amithy Crawford
Printed Name

acrawford@cimarex.com
E-mail Address

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JULY 05, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:



April 6, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL

TO AFFECTED PARTIES

Re: Application of Cimarex Energy Co. for administrative approval of a 640-acre, more or less, non-standard spacing unit in the Wolfcamp Formation comprised Section 29, Township 25 South, Range 33 East, Lea County New Mexico.

Dear Sir or Madam:

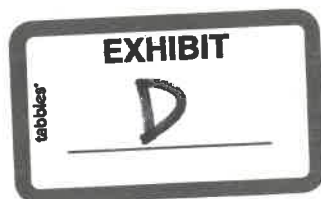
Enclosed is a copy of the above referenced application filed with the New Mexico Conservation Division on this date. Any objections that you have to this application must be filed in writing with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within twenty (20) days from the date the Division receives the above referenced application. If no objection is received within this twenty-day period, the application may be approved administratively by the Division.

If you have any questions concerning this application, please contact:

Eddie Behm
Reservoir Engineer
Cimarex Energy Co.
Eddie.Behm@coterra.com
(432) 571-7865

Sincerely,

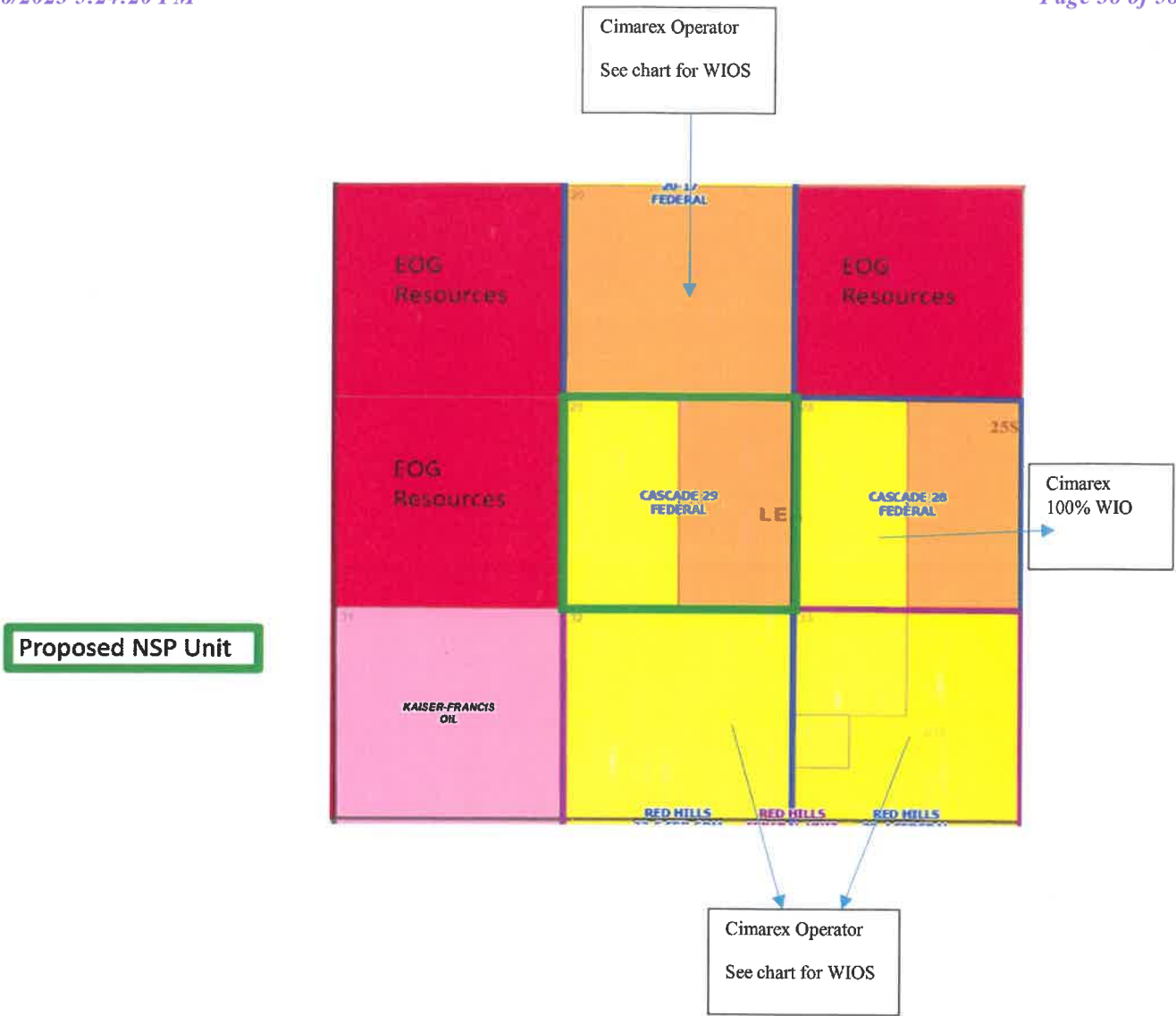

Deana M. Bennett
Attorney for Cimarex Energy Co.



Modrall Sperling
Roehl Harris & Sisk P.A.
500 Fourth Street NW
Suite 1000
Albuquerque,
New Mexico 87102

PO Box 2168
Albuquerque,
New Mexico 87103-2168

Tel: 505.848.1800
www.modrall.com



Offsetting Sections	Operator	WIOs If Needed N/A if Cimarex IS NOT operator	Date Notice Letter Sent
Section 21, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 20, T25S-R33E	Cimarex	CRP I LLC OXY USA Inc.	4/6/2023
Section 19, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 30, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 31, T25S-R33E	Kaiser Francis	N/A	4/6/2023
Section 32, T25S-R33E	Cimarex	Magnum Hunter Production Inc. (Cimarex affiliate) BTA Oil Producers COG Operating LLC Concho Oil & Gas LLC CXA Oil and Gas Holdings LP Devon Energy Production Co LP Finley Production Co LO Grasslands Energy LP Richard Scott Briggs	4/6/2023
Section 33, T25S-R33E	Cimarex	Magnum Hunter Production Inc. (Cimarex affiliate) COG Operating LLC Concho Oil & Gas LLC CXA Oil and Gas Holdings LP Devon Energy Production Co LP	4/6/2023

		Finley Production Co LO Grasslands Energy LP Richard Scott Briggs	
Section 28, T25S-R33E	Cimarex	Cimarex is 100% WIO	N/A

Other Notice Parties:

Other Notice Parties	Date Notice Letter Sent
Bureau of Land Management	4/6/2023

Karlene Schuman
Modrall Spering Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87102

PS Form 3877
Type of Mailing: CERTIFIED MAIL
04/06/2023

Firm Mailing Book ID: 244097

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0106 3087 07	Grasslands Energy LP attn: Traci Tucker 5128 Apache Plume Rd., Suite 300 Fort Worth TX 76109	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
2	9314 8699 0430 0106 3087 14	Richard Scott Briggs 1920 E. Riverside Dr., Suite A-120 #505 Austin TX 78741	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
3	9314 8699 0430 0106 3087 21	Finley Production Co. LP c/o Finley Resources Inc. Agent P.O. Box 2200 Fort Worth TX 76113	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
4	9314 8699 0430 0106 3087 38	CRP I LLC 6301 Waterford Blvd., Suite 215 Oklahoma City OK 73118	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
5	9314 8699 0430 0106 3087 45	CXA Oil and Gas Holdings LP 1302 West Ave. Austin TX 78701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
6	9314 8699 0430 0106 3087 52	Devon Energy Production Company Attn: Land Department 333 W. Sheridan Ave. Oklahoma City OK 73102	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
7	9314 8699 0430 0106 3087 69	COG Operating LLC Attn: Brian Dart 600 W. Illinois Ave. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
8	9314 8699 0430 0106 3087 76	Concho Oil and Gas Attn: Brian Dart 600 W. Illinois Ave. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
9	9314 8699 0430 0106 3087 83	Bureau of Land Management 301 Dinosaur Trail Santa Fe NM 87508	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
10	9314 8699 0430 0106 3087 90	EOG Resources Inc. Attn: Matthew Gray 5509 Champions Drive Midland TX 79706	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
11	9314 8699 0430 0106 3088 06	Oxy USA Inc. 5 Greenway Plaza, Suite 110 Houston TX 77046	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
12	9314 8699 0430 0106 3088 13	BTA Oil Producers 104 S. Pecos St. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice

PS Form 3877

Karlene Schuman
 Modrall Sperling Roehl Harris & Sisk P.A.
 500 Fourth Street, Suite 1000
 Albuquerque NM 87102

Type of Mailing: CERTIFIED MAIL
 04/06/2023

Firm Mailing Book ID: 244097

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
13	9336 0699 0430 0106 3088 26	Kaiser-Francis Oil Company 6733 South Yale Avenue Tulsa OK 74136	\$2.46	\$4.15	\$2.10	\$6.65	82762.0128.Casca Notice
Totals:			\$31.98	\$53.95	\$27.30	\$6.65	
			Grand Total:				\$119.88

List Number of Pieces
Listed by Sender

Total Number of Pieces
Received at Post Office

Postmaster:
Name of receiving employee

Dated:

13



April 6, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL

TO AFFECTED PARTIES

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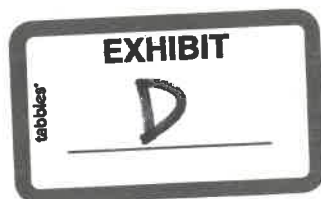
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If you have any questions concerning this application, please contact:

Eddie Behm
Reservoir Engineer
Cimarex Energy Co.
Eddie.Behm@coterra.com
(432) 571-7865

Sincerely,

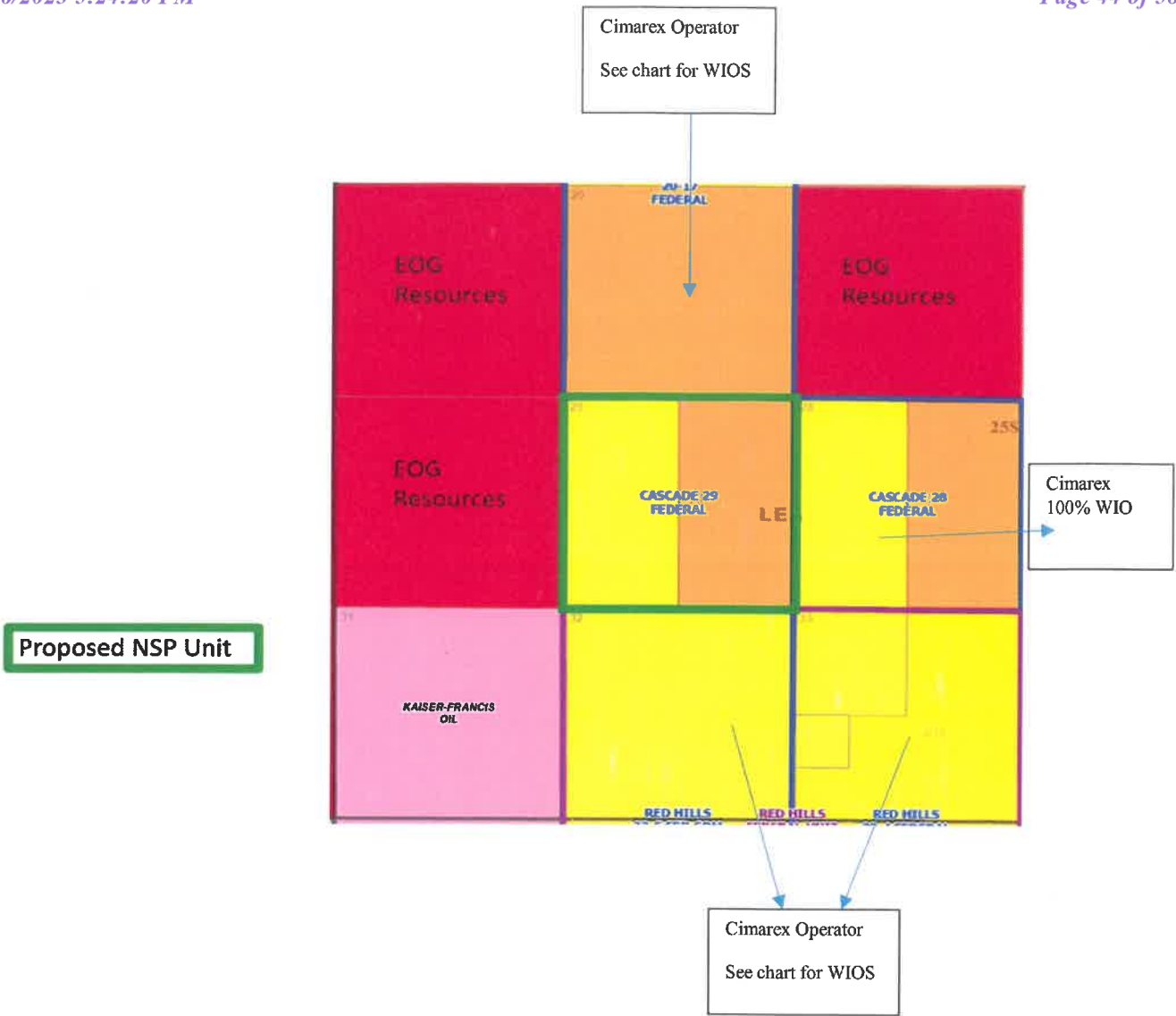

Deana M. Bennett
Attorney for Cimarex Energy Co.



Modrall Sperling
Roehl Harris & Sisk P.A.
500 Fourth Street NW
Suite 1000
Albuquerque,
New Mexico 87102

PO Box 2168
Albuquerque,
New Mexico 87103-2168

Tel: 505.848.1800
www.modrall.com



Offsetting Sections	Operator	WIOs If Needed N/A if Cimarex IS NOT operator	Date Notice Letter Sent
Section 21, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 20, T25S-R33E	Cimarex	CRP I LLC OXY USA Inc.	4/6/2023
Section 19, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 30, T25S-R33E	EOG Resources	N/A	4/6/2023
Section 31, T25S-R33E	Kaiser Francis	N/A	4/6/2023
Section 32, T25S-R33E	Cimarex	Magnum Hunter Production Inc. (Cimarex affiliate) BTA Oil Producers COG Operating LLC Concho Oil & Gas LLC CXA Oil and Gas Holdings LP Devon Energy Production Co LP Finley Production Co LO Grasslands Energy LP Richard Scott Briggs	4/6/2023
Section 33, T25S-R33E	Cimarex	Magnum Hunter Production Inc. (Cimarex affiliate) COG Operating LLC Concho Oil & Gas LLC CXA Oil and Gas Holdings LP Devon Energy Production Co LP	4/6/2023

		Finley Production Co LO Grasslands Energy LP Richard Scott Briggs	
Section 28, T25S-R33E	Cimarex	Cimarex is 100% WIO	N/A

Other Notice Parties:

Other Notice Parties	Date Notice Letter Sent
Bureau of Land Management	4/6/2023

Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
500 Fourth Street, Suite 1000
Albuquerque NM 87102

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04/06/2023

Firm Mailing Book ID: 244097

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1	9314 8699 0430 0106 3087 07	Grasslands Energy LP attn: Traci Tucker 5128 Apache Plume Rd., Suite 300 Fort Worth TX 76109	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
2	9314 8699 0430 0106 3087 14	Richard Scott Briggs 1920 E. Riverside Dr., Suite A-120 #505 Austin TX 78741	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
3	9314 8699 0430 0106 3087 21	Finley Production Co. LP c/o Finley Resources Inc. Agent P.O. Box 2200 Fort Worth TX 76113	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
4	9314 8699 0430 0106 3087 38	CRP I LLC 6301 Waterford Blvd., Suite 215 Oklahoma City OK 73118	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
5	9314 8699 0430 0106 3087 45	CXA Oil and Gas Holdings LP 1302 West Ave. Austin TX 78701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
6	9314 8699 0430 0106 3087 52	Devon Energy Production Company Attn: Land Department 333 W. Sheridan Ave. Oklahoma City OK 73102	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
7	9314 8699 0430 0106 3087 69	COG Operating LLC Attn: Brian Dart 600 W. Illinois Ave. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
8	9314 8699 0430 0106 3087 76	Concho Oil and Gas Attn: Brian Dart 600 W. Illinois Ave. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
9	9314 8699 0430 0106 3087 83	Bureau of Land Management 301 Dinosaur Trail Santa Fe NM 87508	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
10	9314 8699 0430 0106 3087 90	EOG Resources Inc. Attn: Matthew Gray 5509 Champions Drive Midland TX 79706	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
11	9314 8699 0430 0106 3088 06	Oxy USA Inc. 5 Greenway Plaza, Suite 110 Houston TX 77046	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice
12	9314 8699 0430 0106 3088 13	BTA Oil Producers 104 S. Pecos St. Midland TX 79701	\$2.46	\$4.15	\$2.10	\$0.00	82762.0128.Casca Notice

Karlene Schuman
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PS Form 3877

Type of Mailing: CERTIFIED MAIL
 04/06/2023

Firm Mailing Book ID: 244097

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
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Totals:			\$31.98	\$53.95	\$27.30	\$6.65	
			Grand Total:				\$119.88

List Number of Pieces
Listed by Sender

Total Number of Pieces
Received at Post Office

Postmaster:
Name of receiving employee

Dated:

13



March 20, 2023

VIA E-FILING

Acting Director Dylan M. Fuge and OCD Engineering Bureau
Oil Conservation Division
Energy, Minerals and Natural Resources Department
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Application of Cimarex Energy Co. for administrative approval of a 640-acre, more or less, non-standard spacing unit in the Wolfcamp Formation comprised Section 29, Township 25 South, Range 33 East, Lea County New Mexico.

Dear Director Fuge/OCD Engineering Bureau:

Cimarex Energy Co., OGRID Number 215099, respectfully requests administrative approval of a 640-acre, more or less, non-standard unit ("NSU") comprised of Section 29, Township 25 South, Range 33 East, Lea County, New Mexico. The NSU would be dedicated to the following wells (the "Wells"):

<u>Well Name</u>	<u>API Number</u>
Cascade 29 Federal 15H	(30-025-46355)
Cascade 29 Federal 16H	(30-025-46305)
Cascade 29 Federal 17H	(30-025-46306)
Cascade 29 Federal 18H	(30-025-50787)
Cascade 29 Federal 71H	(30-025-50784)
Cascade 29 Federal 72H	(30-025-50291)
Cascade 29 Federal 73H	(30-025-50292)
Cascade 29 Federal 74H	(30-025-50293)
Cascade 29 Federal 75H	(30-025-50294)

The Wells will develop the Wolfcamp formation, and the only pool within the Wolfcamp formation underlying the proposed NSU is WC-025 G-09 S253309P; UPR Wolfcamp (Code 39981), which follows the statewide spacing rules. If Cimarex were to follow the state-wide rules, Cimarex would have to have two (2) 320-acre units (using a proximity tract on each half section to create the 320-acre units) to have standard units. In addition, Cimarex would have to apply for non-standard location approval for the Cascade 29 Federal 71H well. Alternatively, Cimarex could have three standard 320-acre spacing units, but that would require that the units overlap. In Cimarex' opinion, a single non-standard unit is preferable to allow for more efficient development of the acreage as well as to match the corresponding proposed Communitization Agreement. In addition, a single 640-acre unit is optimal given that Cimarex owns 100% of the working interests in Section 29. None of the proposed wells

EXHIBIT

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encroach on any of the offsetting tracts, and therefore no offsetting tracts will be affected by this application. Cimarex is giving notice to the offsetting tracts as required by OCD's regulations.

Approval will allow Cimarex to use fewer surface facilities, which will in turn reduce surface disturbance by consolidating roads, tanks, and pipelines. In addition, approval of Cimarex' application promotes effective well spacing and will allow Cimarex to commingle production.

Conversely, if Cimarex' NSU application is not approved, Cimarex will need to construct additional flowlines, roads, and an additional CTB. I have included as Exhibits C-1 and C-2 slides showing that no additional facilities are needed for a non-standard unit (C-1) and the additional required infrastructure needed if Cimarex has to develop the Wells using standard spacing (C-2).

Exhibit C-3 compares and contrasts, in table format, the reduced surface acreage and the cost savings that will occur if the NSU is approved. Developing the acreage as a single, non-standard unit will result in 25 acres less surface disturbance than if Cimarex has to develop the acreage using standard units. If Cimarex' NSU application is approved, that would eliminate the need to build an additional central tank battery, which effectively cuts permitted fugitive VOC emissions, spill risk, and flares in half. In addition, total capital costs would be significantly reduced because no additional infrastructure is required to operate the single, non-standard unit.

In my opinion, approval of the NSU is in the best interest of conservation, prevention of waste, and protection of correlative rights.

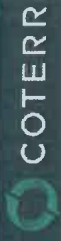
Thank you for your consideration. Should you have any questions please contact me at Eddie.Behm@coterra.com or (432) 571-7865.

Sincerely,

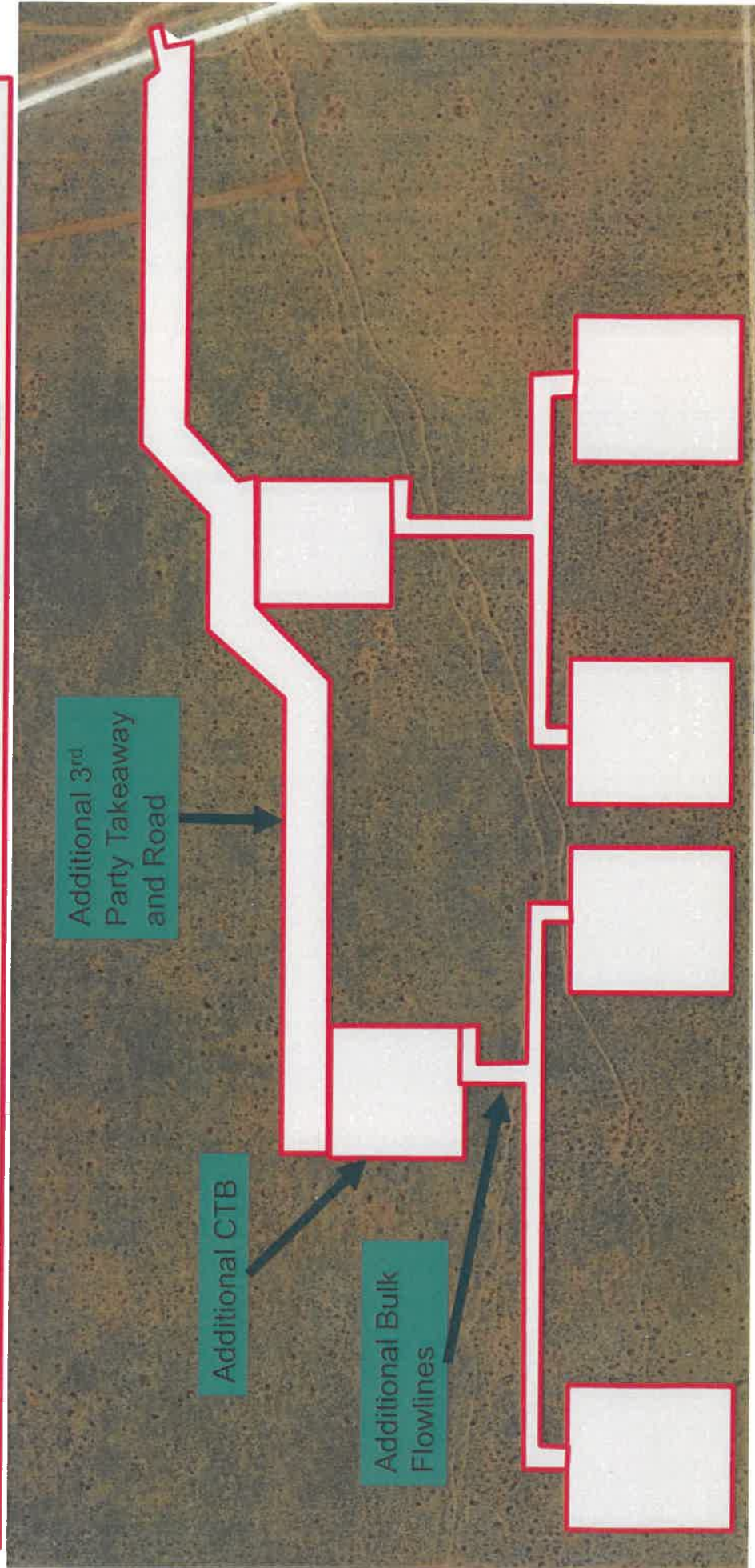
Eddie Behm
Reservoir Engineer
Cimarex Energy Co.



Surface Disturbance – Standard Spacing Unit



Standard Spacing Unit: Requires additional CTB, additional flowlines, and additional surface disturbance for third-party takeaway and road as identified by blue text boxes below

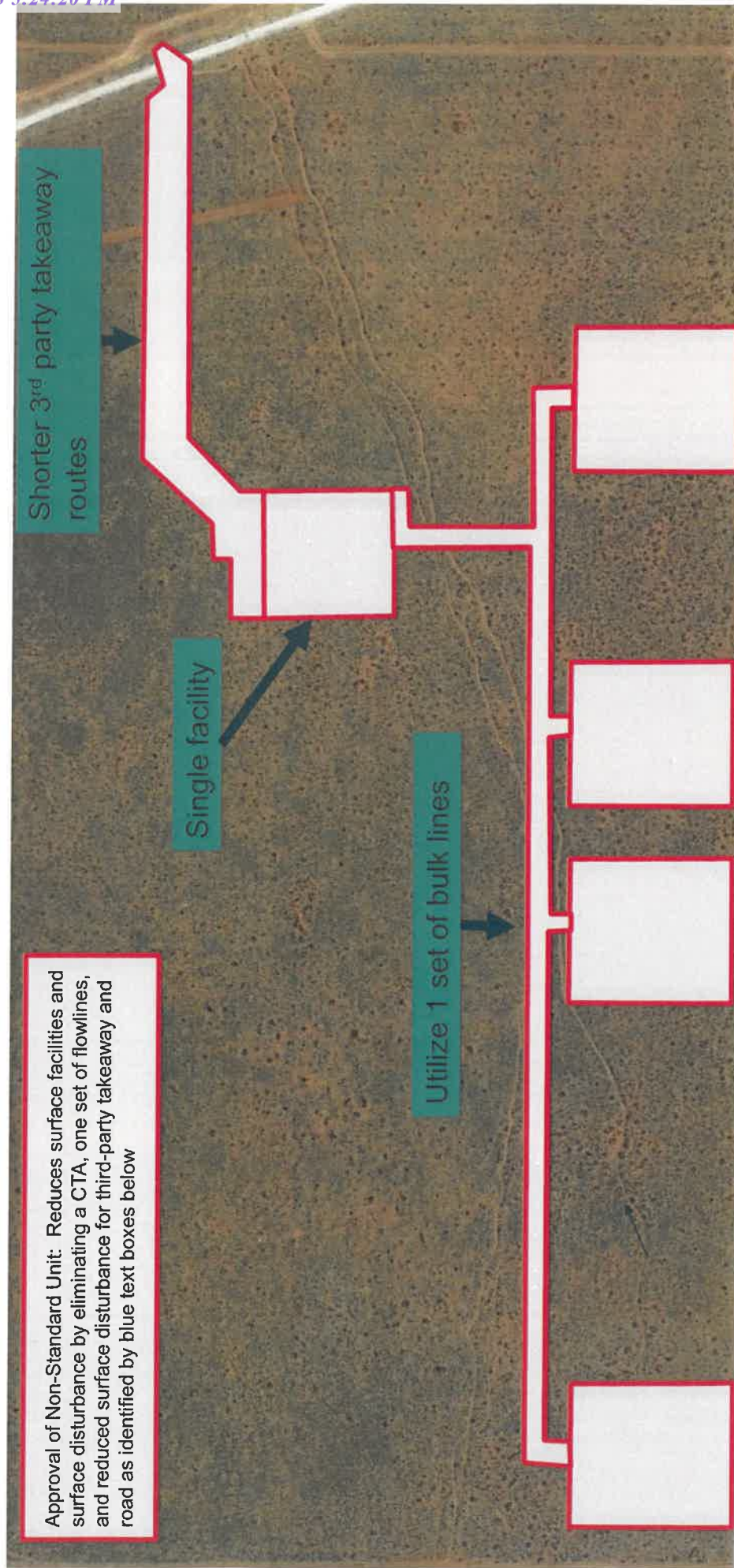
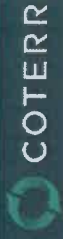


EXHIBIT

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Surface Disturbance – Non-Standard Spacing Unit

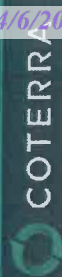


EXHIBIT

C-2

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Environmental and Capital Savings



Scenario	Design Basis per CTB (BOPD)	CTB/Equipment Cost (\$M)	Pipeline Cost (\$M)	Total Capital (\$M)	CTB and Pipeline Disturbance (Acres)
Standard Spacing Unit	20,000	\$13,760	\$4,260	\$18,020	56
Non-Standard Spacing Unit	20,000	\$11,630	\$3,600	\$15,230	43
Savings	-	\$2,130	\$660	\$2,790	13

- Approval of a non-standard unit will allow consolidation of all production into a single facility and will eliminate the need to build an additional central tank battery and flowlines. Elimination of the additional central tank battery effectively cuts permitted fugitive VOC emissions, spill risk, and flares in half.



Cascade 29 Fed Com Area

Proposed Non-Standard Horizontal Spacing Unit
Section 29, T26S-R33E: All
640.00 Acres

Tract 1:
NMNM043562
(Fed)

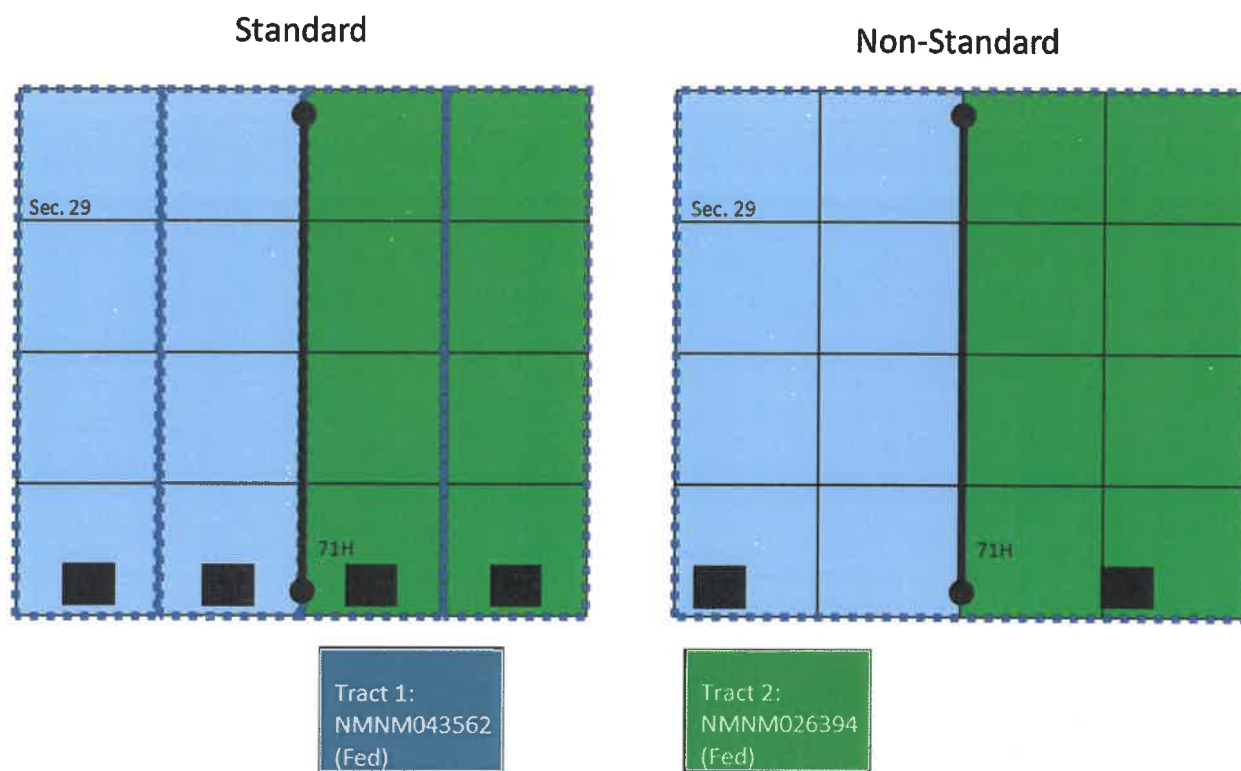
Tract 2:
NMNM026394
(Fed)

Sec. 29			



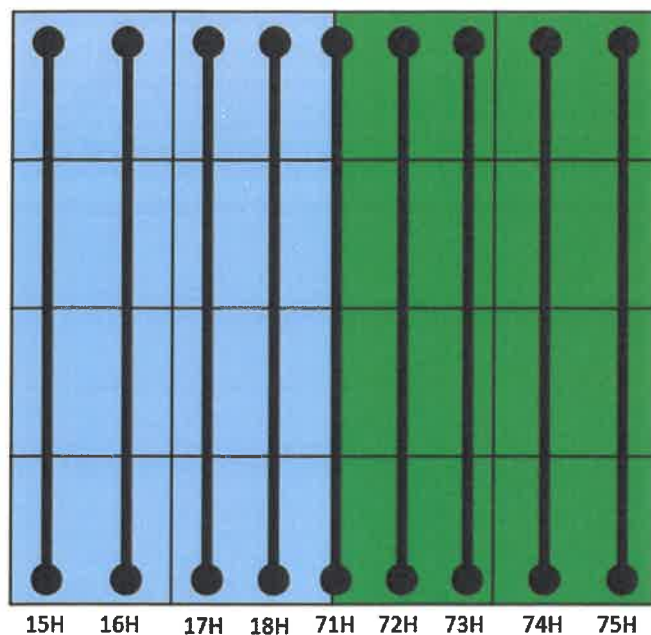
Cascade 29 Fed Com Area

Standard Spacing Unit Versus Non-Standard Spacing Unit



Cascade 29 Fed Com Area

Wolfcamp Development



Planned Development
(5/23):



Tract 1:
NMNM043562
(Fed)

Tract 2:
NMNM026394
(Fed)

Cascade 29 Fed Com Area

Well List with Pool Code

Wolfcamp:Pool Code: 98180; WC-025 G-09 S253309P; Upper Wolfcamp

Cascade 29 Federal 15H	(30-025-46355)	Proposed Well
Cascade 29 Federal 16H	(30-025-46305)	Proposed Well
Cascade 29 Federal 17H	(30-025-46306)	Proposed Well
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Cascade 29 Federal 74H	(30-025-50293)	Proposed Well
Cascade 29 Federal 75H	(30-025-50294)	Proposed Well

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 205060

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 205060
	Action Type: [UF-NSP] Non-Standard Proration (NSP)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	4/7/2023