

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (IDENTICAL TO DIVERSE OWNERSHIP)**

OPERATOR NAME: Cimarex Energy Co.  
OPERATOR ADDRESS: 600 N. Marienfeld Street, Suite 600; Midland, TX 79701  
APPLICATION TYPE:

☒ Pool Commingling ☐ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
[97903] WC-025 G-08 S253235G; LOW BONE SPRIN	0.81/ 1320	0.82/ 1300			
[97994] WC-025 G-06 S253329D; UPR BONE SPRIN	0.78/ 1120				
[98180] WC-025 G-09 S253309P; UPR WOLFCAMP	0.82/ 1330				

- (2) Are any wells producing at top allowables? ☐ Yes ☒ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No.  
(4) Measurement type: ☒ Metering ☐ Other (Specify)  
(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Pool Name and Code.  
(2) Is all production from same source of supply? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No  
(4) Measurement type: ☐ Metering ☐ Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: B. Gordon TITLE: Regulatory Analyst DATE: 9/19/2022

TYPE OR PRINT NAME Brittany Gordon TELEPHONE NO.: 432-528-3854

E-MAIL ADDRESS: brittany.gordon@coterra.com



Coterra Energy Inc.  
600 N. Marienfeld Street  
Suite 600  
Midland, TX 79701

T 432-571-7800  
F 432-571-7832  
coterra.com

Cimarex Energy Co.

September 19<sup>th</sup>, 2022

Attn: Mr. Dean McClure  
1220 S. St. Francis Dr.  
Santa Fe, New Mexico 87505

Subject: Application for Pool Commingling at Common Central Tank Battery  
Lease: Federal Lease NMNM026394 Vaca Draw 20-17 Federal  
Location: Section 17 & 20, T-25S, R-33E, Lea County, New Mexico  
Pool: [97903] WC-025 G-08 S253235G; LWR BONE SPRIN,  
[97994] WC-025 G-06 S253329D; UPR BONE SPRIN,  
and [98180] WC-025 G-09 S253309P; UPR WOLFCAMP

Mr. McClure,

Pursuant to Division Rule 19.15.12.10, Cimarex Energy Co. respectfully requests administrative approval to Pool Commingle at a Common Central Tank Battery.

The Commingling and Allocation Approval (CAA) will not negatively affect the royalty revenue or reduce the total remaining production value.

Each well is metered individually. This action will prevent waste, promote conservation and protect correlative rights. The Vaca Draw 20-17 Federal West battery is located in Unit M, Section 20, Township 25S, Range 33E.

These wells are operated by Cimarex Energy Co. with identical ownership. There is one federal lease involved. Pursuant Division Rule 19.15.12.10 (C)(4)(g), the interest owners that are to be notified are listed and are being sent a copy of this application by certified mail, return receipt.

Also Attached:

- NMOCD Administrative Application Checklist
- NMOCD Form C-107-B (Application for Surface Commingling – Identical Ownership)
- Summary Detail
- Lease plat shows boundaries, State Lease numbers, facility, wellhead and path of production
- Facility Diagram
- NMOCD form C-102 well plats for each well
- Notice letter to interest owners and certified mail return receipt request copy
- BLM Sundry Submittal copy



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We respectfully request authority to add additional wells contained within the lease identified and approved in this application by filing a Subsequent Report Sundry to the Bureau of Land Management for Federal and filing a C103Z and C102 with the NMOCD. Notice to owners shall not be required when amending the application after previously approved for commingling authority.

Pursuant to Statewide Rule 19.15.12.10 (C)(4)(g) we respectfully request the option to include additional production from the pools or leases listed above.

Thank you,

*Brittany Gordon*

Regulatory Analyst

432-620-1960

[brittany.gordon@coterra.com](mailto:brittany.gordon@coterra.com)

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.



**Vaca Draw Commingle Permit**  
(07.2022)

The Vaca Draw CTB will be a 23-well facility. The facility will have the following wells producing to it:

- |                           |                           |
|---------------------------|---------------------------|
| • Vaca Draw 20-17 Fed 11H | • Vaca Draw 20-17 Fed 61H |
| • Vaca Draw 20-17 Fed 12H | • Vaca Draw 20-17 Fed 6H  |
| • Vaca Draw 20-17 Fed 29H | • Vaca Draw 20-17 Fed 71H |
| • Vaca Draw 20-17 Fed 30H | • Vaca Draw 20-17 Fed 72H |
| • Vaca Draw 20-17 Fed 31H | • Vaca Draw 20-17 Fed 73H |
| • Vaca Draw 20-17 Fed 43H | • Vaca Draw 20-17 Fed 9H  |
| • Vaca Draw 20-17 Fed 44H | • Vaca Draw 20-17 Fed 10H |
| • Vaca Draw 20-17 Fed 45H | • Vaca Draw 20-17 Fed 74H |
| • Vaca Draw 20-17 Fed 57H | • Vaca Draw 20-17 Fed 75H |
| • Vaca Draw 20-17 Fed 58H | • Vaca Draw 20-17 Fed 47H |
| • Vaca Draw 20-17 Fed 59H | • Vaca Draw 20-17 Fed 46H |
| • Vaca Draw 20-17 Fed 5H  |                           |

**PRODUCTION ALLOCATION**

Production from each of the referenced wells enters its own individual separator. Each separator has its own Coriolis meter for oil, mag meter for water, and orifice meter for gas.

After separation, each oil stream flows through the commingled heater treater and then to the tanks before being measured by a LACT unit. The LACT unit will serve as the oil FMP.

The Gas from each separator flow through its own allocation orifice meter then flows to the gas FMP.

**Allocation Method:**

**Oil Production:**

Oil will be allocated daily to the well based upon the daily Coriolis meter volume. The meter is a Micro Motion Coriolis meter. Each well will have a daily factor that is a percentage of the total Coriolis volume for all referenced wells. The factor obtained from the test meter will be used to allocate the oil production volumes sold through the LACT.

**Gas Production:**

Gas will be allocated daily to the well based upon the daily allocation gas meter volume. The meter is an orifice meter. Each well will have a daily factor that is a percentage of the total allocation meter volume for all referenced wells. The factor obtained from each allocation meter will be used to allocate the gas sales volumes sold through the gas sales meter. The meters will be calibrated on a regulator basis per API, NMOCD, and BLM specifications.

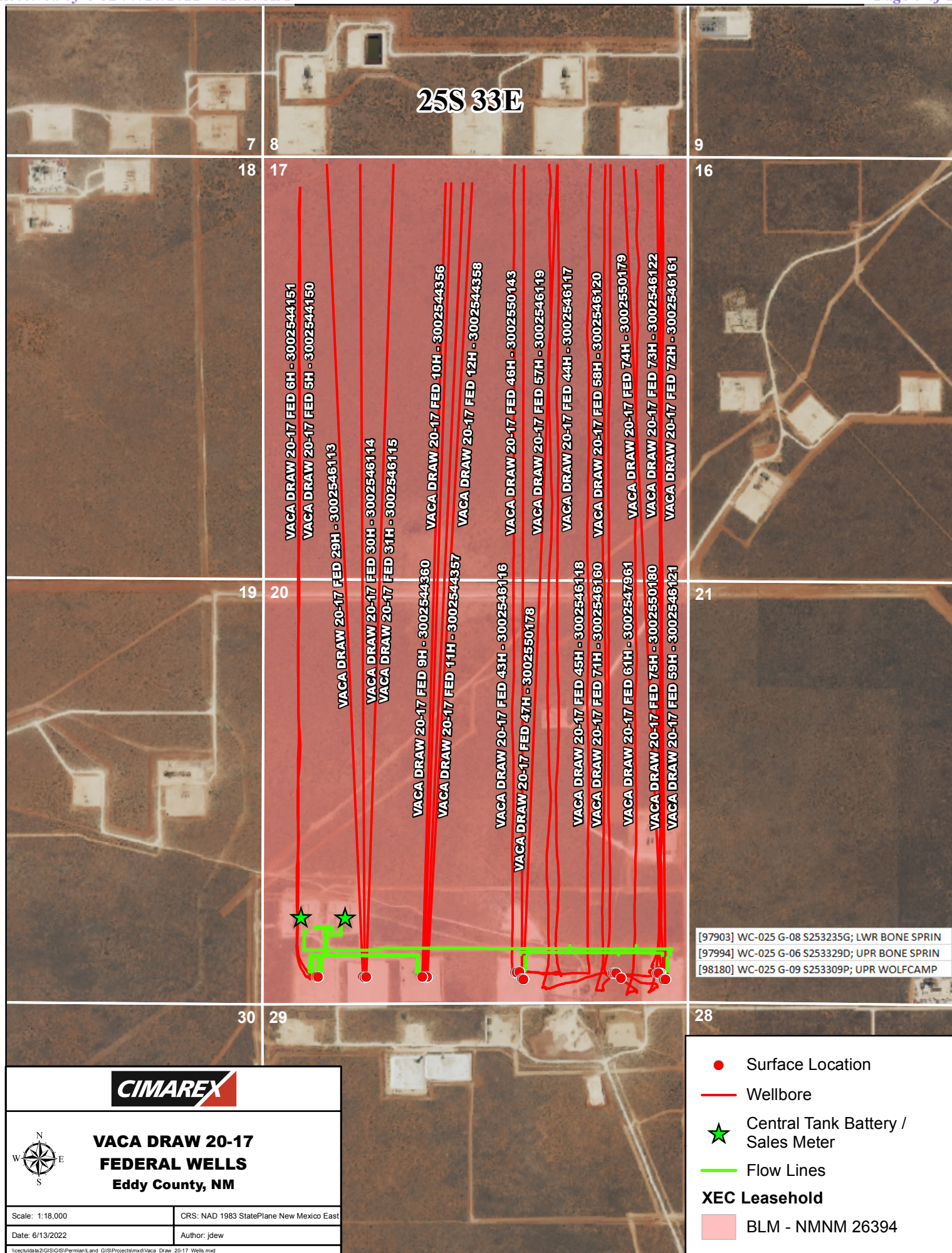
**Additional Application Components:**

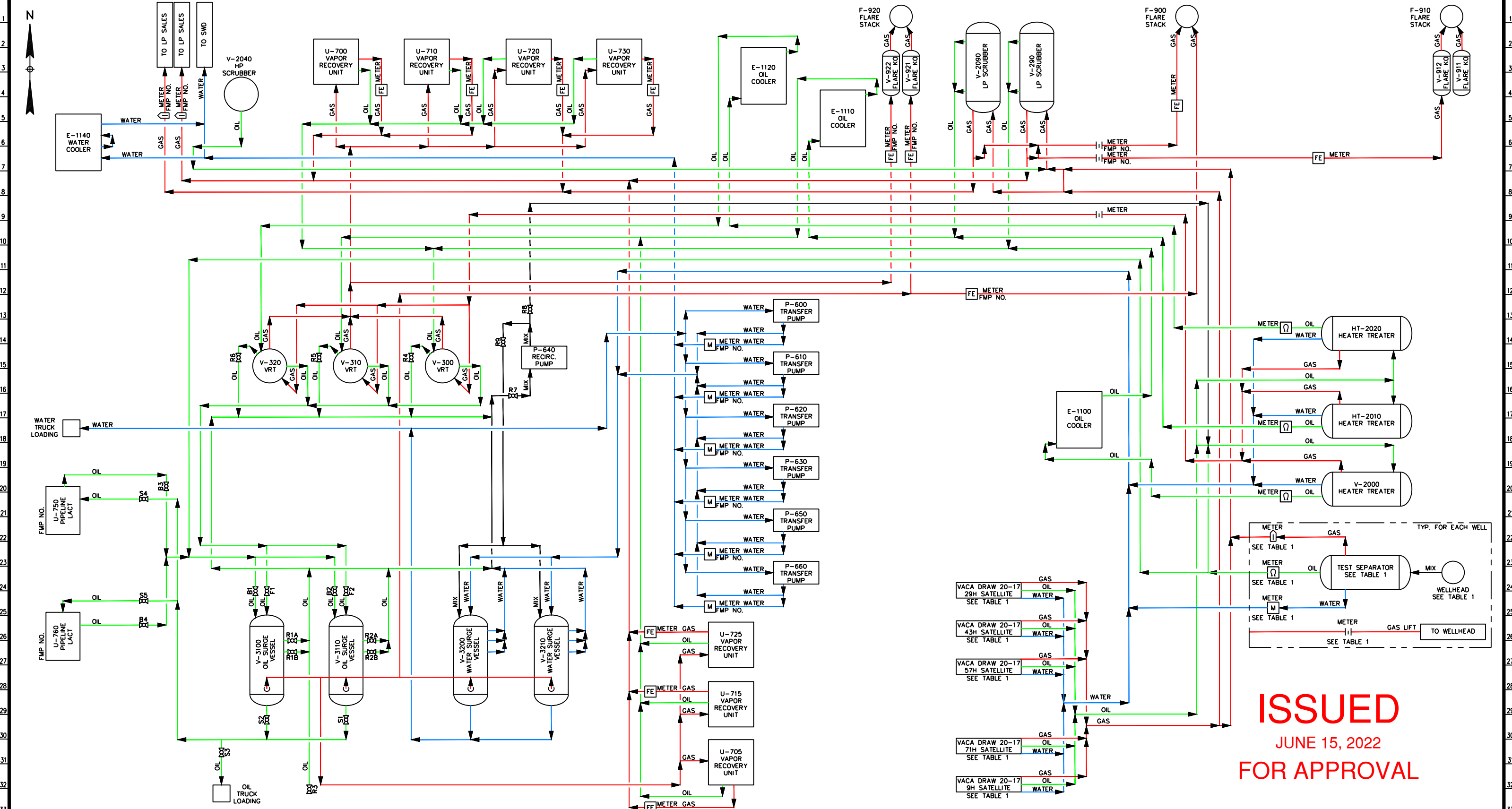
The flow of production details is outlined on the enclosed facility diagram.

Commingling the production is the most effective means of producing the reserves. Cimarex understand the requested approval will not constitute the granting of any right of way or construction rights not granted by the lease instrument.

NMOCD does not require notification for projects with identical ownership.

The BLM and NMOCD will be notified of any changes to the CTB.





**ISSUED**  
JUNE 15, 2022  
**FOR APPROVAL**

NOTE:

1. TABLE 1 FOUND ON D-7237-10-TOC

JR	GAS METER
SR	GAS METER
Q	CORLIOLIS METER
M	MAG METER
FE	THERMAL MASS METER
T	TURBINE METER
WATER:	—
GAS:	—
MIX:	—
OIL:	—
SEALABLE VALVE	—

REFERENCE DRAWINGS		REVISIONS					
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.
		A	06/15/22	ISSUED FOR APPROVAL	NR	JR	

Midland, Texas 79705  
Arlington, Texas 76011  
Katy, Texas 77449  
WWW.3SENGINEERINGDESIGN.COM  
TBPE FIRM REG. #13809  
NM FIRM REG. #4545320

NOTICE

THIS DRAWING HAS NOT BEEN PUBLISHED BUT RATHER HAS BEEN PREPARED BY 3S ENGINEERING & DESIGN FOR USE BY THE CLIENT NAMED IN THE TITLE BLOCK AND SHALL NOT BE USED FOR ANY OTHER PURPOSE, OR FURNISHED TO ANY OTHER PARTY, WITHOUT THE EXPRESS WRITTEN PERMISSION OF 3S ENGINEERING & DESIGN.

ENGINEERING RECORD			VACA DRAW 20-17 5H-6H PROCESS FLOW DIAGRAM	LEA COUNTY	NM		
BY	DATE						
DRN: NR	06/13/22						
DES:							
CHK:							
APP:							
AFE No.		DWG. NO. D-7237-10-200		REV A			
FACILITY ENGR.	C. BOYLE	PLOT SCALE NONE		CAD NO.			
PROJ. ENGR.	R. LEAK	SCALE: NONE					



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Cimarex Energy Co.

September 19<sup>th</sup>, 2022

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Santa Fe, New Mexico 87505

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[97994] WC-025 G-06 S253329D; UPR BONE SPRIN,  
and [98180] WC-025 G-09 S253309P; UPR WOLFCAMP

Mr. McClure,

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Each well is metered individually. This action will prevent waste, promote conservation and protect correlative rights. The Vaca Draw 20-17 Federal West battery is located in Unit M, Section 20, Township 25S, Range 33E.

These wells are operated by Cimarex Energy Co. with identical ownership. There is one federal lease involved. Pursuant Division Rule 19.15.12.10 (C)(4)(g), the interest owners that are to be notified are listed and are being sent a copy of this application by certified mail, return receipt.

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Thank you,

*Brittany Gordon*

Regulatory Analyst

432-620-1960

[brittany.gordon@coterra.com](mailto:brittany.gordon@coterra.com)

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

 <b>COTERRA</b>	Vaca Draw West CTB Commingle Service List
OWNER	CERTIFIED TRACKING #
MICHAEL A BAKER WELLS FARGO BANK / IRREV TRUST PO BOX 40909 AUSTIN, TX 78704	_9414811898765815566882
SARAH ANNE BAKER WELLS FARGO BANK / IRREV TRUST PO BOX 40909 AUSTIN, TX 78704	_9414811898765815566837
BURNETT PARTNERS PO BOX 50474 MIDLAND, TX 79710	_9414811898765815566875
EOG RESOURCES INC ATTN: DAVID DEAL PO BOX 840321 DALLAS, TX 75284-0321	_9414811898765815566714
KEN & GERI GRIFFIN PROPERTIES LP PO BOX 310 INGRAM, TX 78025	_9414811898765815566752
BRENT JEREMY HONEYMAN 26 MEADOW BROOK PL THE WOODLANDS, TX 77382	_9414811898765815566769
JEB CORY HONEYMAN 2890 FOREST DRIVE CELINA, TX 75009	_9414811898765815566721
LESLIE ROBERT HONEYMAN TRUST LANELL JOY HONEYMAN 406 SKYWOOD CIRCLE MIDLAND, TX 79705	_9414811898765815566707
MARION G LAUGHLIN MILLER ESTATE MARION SULLIVAN SCHREINER 4803 SIERRA MADRE DR SAN ANTONIO, TX 78233	_9414811898765815566790

KIM E LAWSON 4816 ROSEWOOD DR MIDLAND, TX 79707	_9414811898765815566745
MAP2004-OK AN OKLAHOMA GENERAL PARTNERSHIP PO BOX 269031 OKLAHOMA CITY, OK 73126	_9414811898765815566783
OXY USA INC PO BOX 841803 DALLAS, TX 75284-1803	_9414811898765815566738
SANTA ELENA MINERALS IV LP PO Box 470788 Fort Worth, TX 76147	_9414811898765815566776
JAMES D PRESLAR II PO BOX 10902 MIDLAND, TX 79702	_9414811898765815566912
VAN TETTLETON PO BOX 10909 MIDLAND, TX 79702	_9414811898765815566950
CHARLES R WIGGINS PO BOX 10862 MIDLAND, TX 79702	_9414811898765815566967



COTERRA ENERGY INC.  
600 N. Marienfeld Street  
Suite 600  
Midland, TX 79701

June 23, 2022

Attn: State of New Mexico Oil Conservation Division

Subject: Surface Pool Commingling Application

To whom it may concern:

This letter serves to notice you that the ownership of the following wells is identical in working, royalty and overriding royalty interest and percentages.

API	Well Name	Well Number	Pool Name	Location	Status
30-025-44150	VACA DRAW 20 17 FEDERAL	#005H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-44151	VACA DRAW 20 17 FEDERAL	#006H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-44360	VACA DRAW 20 17 FEDERAL	#009H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-44356	VACA DRAW 20 17 FEDERAL	#010H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-44357	VACA DRAW 20 17 FEDERAL	#011H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-44358	VACA DRAW 20 17 FEDERAL	#012H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-46113	VACA DRAW 20 17 FEDERAL	#029H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-46114	VACA DRAW 20 17 FEDERAL	#030H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-46115	VACA DRAW 20 17 FEDERAL	#031H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-46116	VACA DRAW 20 17 FEDERAL	#043H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	Active
30-025-46117	VACA DRAW 20 17 FEDERAL	#044H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	Active

30-025-46118	VACA DRAW 20 17 FEDERAL	#045H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	Active
30-025-50143	VACA DRAW 20 17 FEDERAL	#046H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	New
30-025-50178	VACA DRAW 20 17 FEDERAL	#047	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	New
30-025-46119	VACA DRAW 20 17 FEDERAL	#057H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-46120	VACA DRAW 20 17 FEDERAL	#058H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-46121	VACA DRAW 20 17 FEDERAL	#059H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-47961	VACA DRAW 20 17 FEDERAL	#061H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-46160	VACA DRAW 20 17 FEDERAL	#071H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	Active
30-025-46161	VACA DRAW 20 17 FEDERAL	#072H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	Active
30-025-46122	VACA DRAW 20 17 FEDERAL	#073H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	Active
30-025-50179	VACA DRAW 20 17 FEDERAL	#074H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	New
30-025-50180	VACA DRAW 20 17 FEDERAL	#075H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	New

*Colterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.*

I certify that this information is true and correct to the best of my knowledge.

Sincerely,



John Coffman  
Landman

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**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.

6. If Indian, Allottee or Tribe Name

***SUBMIT IN TRIPLICATE - Other instructions on page 2***

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

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

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input 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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<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 recompleat 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 recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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

Title

Signature

Date

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

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

## Additional Information

### Additional Remarks

The Commingling and Allocation Approval (CAA) will not impact federal royalty revenue. Cimarex will utilize electronic automated measurements at the wellhead to measure oil, gas, and water separately from each well prior to commingling the production. The non-FMP allocation meters will meet BLM FMP regulations 43CFR3174 and 43CFR3175. Cimarex proposes that all leases/wells are capable of production in paying quantities. No change from the approved allocation methodology. The Facility Measurement Point (FMP) is located on lease at the Vaca Draw 20-17 Federal facility located in the SWSW of 20-25S-33E Lea County, NM, BLM lease number NMNM026394.

The Vaca Draw 20-17 Federal facility was approved for construction in the Vaca Draw 20-17 Federal #5H APD and no additional disturbance is required for the commingling activities. NMOCD Current Approval - PC-1393 will be amended to add five additional wells.

### Batch Well Data

VACA DRAW 20-17 FEDERAL 75H, US Well Number: 3002550180, Case Number: null, Lease Number: null,  
Operator: CIMAREX ENERGY COMPANY

VACA DRAW 20-17 FEDERAL 74H, US Well Number: 3002550179, Case Number: null, Lease Number: null,  
Operator: CIMAREX ENERGY COMPANY

VACA DRAW 20-17 FEDERAL 61H, US Well Number: 3002547961, Case Number: NMNM26394, Lease Number: NMNM26394,  
Operator: CIMAREX ENERGY COMPANY

VACA DRAW 20-17 FEDERAL 47H, US Well Number: 3002550178, Case Number: null, Lease Number: null,  
Operator: CIMAREX ENERGY COMPANY

VACA DRAW 20-17 FEDERAL 46H, US Well Number: 3002550143, Case Number: null, Lease Number: null,  
Operator: CIMAREX ENERGY COMPANY

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
VACA DRAW 20-	47H	3002550178		-	CIMAREX
VACA DRAW 20-	75H	3002550180	-	-	CIMAREX
VACA DRAW 20-	74H	3002550179		-	CIMAREX
VACA DRAW 20-	61H	3002547961	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	46H	3002550143		-	CIMAREX

Notice of Intent

Sundry ID: 2683934

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/25/2022

Date proposed operation will begin: 07/25/2022

Type of Action: Commingling (Surface)

Time Sundry Submitted: 03:37

**Procedure Description:** Vaca Draw 20-17 NOI Commingling (Surface) Existing Approved CAA: Sundry ID 2387160 Cimarex respectfully requests approval to amend previously approved surface commingle for oil, gas, and water production according to 43CFR3173.14 (a)(1)(i) at the Vaca Draw 20-17 Federal facility. This sundry is a request to add wells to an existing CAA - Sundry ID#2387160. Attachment Includes: Memo, Sundry ID 2387160 Print Report, & Updated Map. The Commingling and Allocation Approval (CAA) will not impact federal royalty revenue. Cimarex will utilize electronic automated measurements at the wellhead to measure oil, gas, and water separately from each well prior to commingling the production. The non-FMP allocation meters will meet BLM FMP regulations43CFR3174 and 43CFR3175. Cimarex proposes that all leases/wells are capable of production in paying quantities. No change from the approved allocation methodology. The Facility Measurement Point (FMP) is located on lease at the Vaca Draw 20-17 Federal facility located in the SWSW of 20-25S-33E Lea County, NM, BLM lease number NMNM026394. The Vaca Draw 20-17 Federal facility was approved for construction in the Vaca Draw 20-17 Federal #5H APD and no additional disturbance is required for the commingling activities. NMOCD Current Approval - PC-1393 will be amended to add five additional wells.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Vaca\_Draw\_20\_17\_Commingle\_Amendment\_Docs\_20220725153329.pdf

Conditions of Approval

Specialist Review

Surface\_Commingling\_COA\_20220907202351.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: BRITTANY GORDON

Signed on: JUL 25, 2022 03:37 PM

Name: CIMAREX ENERGY COMPANY

Title: Regulatory Analyst

Street Address: 600 N MARIENFELD STREET

City: MIDLANDState: TX

Phone: (432) 571-7800

Email address: BRITTANY.GORDON@COTERRA.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: Jonathon W Shepard

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Approved

Disposition Date: 09/07/2022

Signature: Jonathon Shepard

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  
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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

<sup>1</sup> API Number 30-025-44150	<sup>2</sup> Pool Code 97994	<sup>3</sup> Pool Name Wildcat; Upper Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 5H
<sup>7</sup> GRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3423.2'

<sup>10</sup> 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	20	25S	33E		390	SOUTH	610	WEST	LEA

<sup>11</sup> 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	17	25S	33E		330	NORTH	384	WEST	LEA

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'35.06" (32.109739)	
LONGITUDE = 103°36'02.46" (103.600683)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'34.61" (32.109614)	
LONGITUDE = 103°36'00.76" (103.600211)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 404430.38 E: 768181.86	
STATE PLANE NAD 27 (N.M. EAST)	
N: 404372.59 E: 726995.71	
NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE = 32°08'13.01" (32.136947)	
LONGITUDE = 103°36'05.75" (103.601597)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 414326.97 E: 767831.97	

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N36°04'46"W	493.87'

SCALE  
DRAWN BY: S.F. 01-20-17  
REV: 2 10-09-17 S.F.  
(MOVED BOTTOM HOLE)

● = SURFACE HOLE LOCATION  
○ = BOTTOM HOLE LOCATION  
▲ = SECTION CORNERS LOCATED  
◇ = LANDING POINT

<sup>17</sup> 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.

09/25/2018  
Signature Date

Fatima Vasquez  
Printed Name

fvasquez@cimarex.com  
E-mail Address

<sup>18</sup> 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.

January 19, 2017  
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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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

<sup>1</sup> API Number <b>30025-44151</b>	<sup>2</sup> Pool Code <b>97994</b>	<sup>3</sup> Pool Name <b>WC-025 G-06 S253329D; Wildcat Upper Bone Spring</b>
<sup>4</sup> Property Code <b>319775</b>	<sup>5</sup> Property Name <b>VACA DRAW 20-17 FEDERAL</b>	
<sup>7</sup> OGRID No. <b>215099</b>	<sup>8</sup> Operator Name <b>CIMAREX ENERGY CO.</b>	<sup>6</sup> Well Number <b>6H</b>
		<sup>9</sup> Elevation <b>3423.2'</b>

<sup>10</sup> 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	20	25S	33E		390	SOUTH	630	WEST	LEA

<sup>11</sup> 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	17	25S	33E		330	NORTH	385	WEST	LEA
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

LINE	DIRECTION	LENGTH
L1	N32°08'07"W	471.50'

**<sup>17</sup> 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: *T Stathem* Date: 1-18-19

Printed Name: T Stathem

E-mail Address: tstathem@cimarex.com

**<sup>18</sup> 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.

January 19, 2017

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

District I  
1625 N. French Dr., Hobbs, NM 88240  
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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  
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District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44360		<sup>2</sup> Pool Code 98250		<sup>3</sup> Pool Name Wildcat; Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 9H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3417.5'

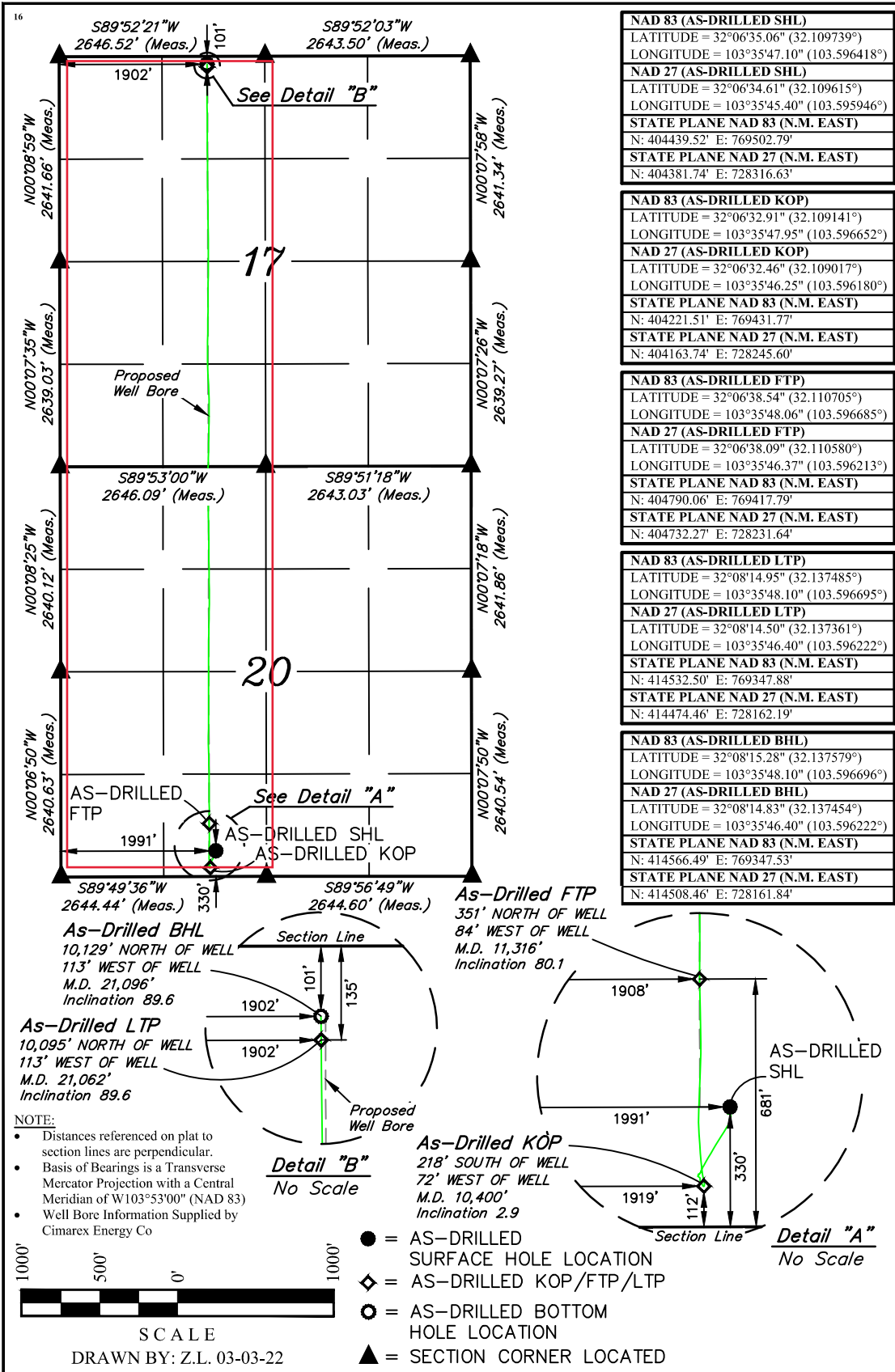
<sup>10</sup> Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 1991	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 101	North/South line NORTH	Feet from the 1902	East/West line WEST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. PC-1393			

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.



<sup>17</sup> 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.

Signature: *Sarah Jordan* Date: 5/10/22

Printed Name: Sarah Jordan

E-mail Address: sarah.jordan@coterra.com

<sup>18</sup> 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.

October 29, 2021

Date of Survey

Signature and Seal of Professional Surveyor:

PAUL BUCHELE  
NEW MEXICO  
23782  
03-07-22  
PROFESSIONAL SURVEYOR

Certificate Number:

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	5,146.92'
SECTION 20	4,598.33'
TOTAL	9,745.25'

**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  
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☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44356		<sup>2</sup> Pool Code 97903		<sup>3</sup> Pool Name WC-025 G-08 S253235G; LWR Bone Spring	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 10H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3417.4'

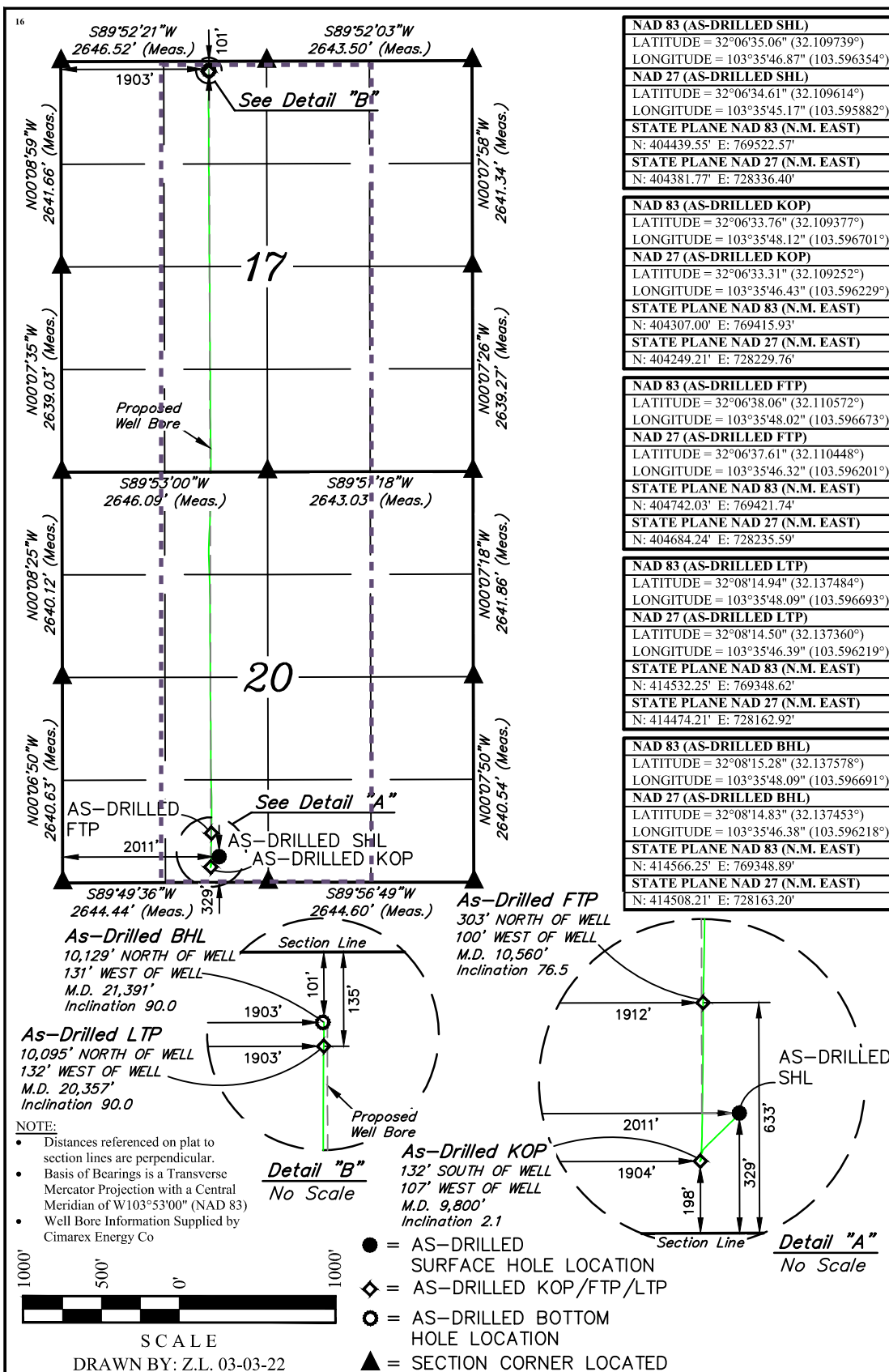
<sup>10</sup>Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 329	North/South line SOUTH	Feet from the 2011	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

## " Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 101	North/South line NORTH	Feet from the 1903	East/West line WEST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. PC-1393			

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.*

Signature K. Sg Date 5/9/2022

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.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.*

October 29, 2021

Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor: \_\_\_\_\_



Certificate Number: \_\_\_\_\_

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	5,146.15'
SECTION 20	4,647.05'
TOTAL	9,793.20'

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

Form C-102  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44357	<sup>2</sup> Pool Code 97903	<sup>3</sup> Pool Name WC-025 G-08 S253235G; LWR Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 11H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3417.3'

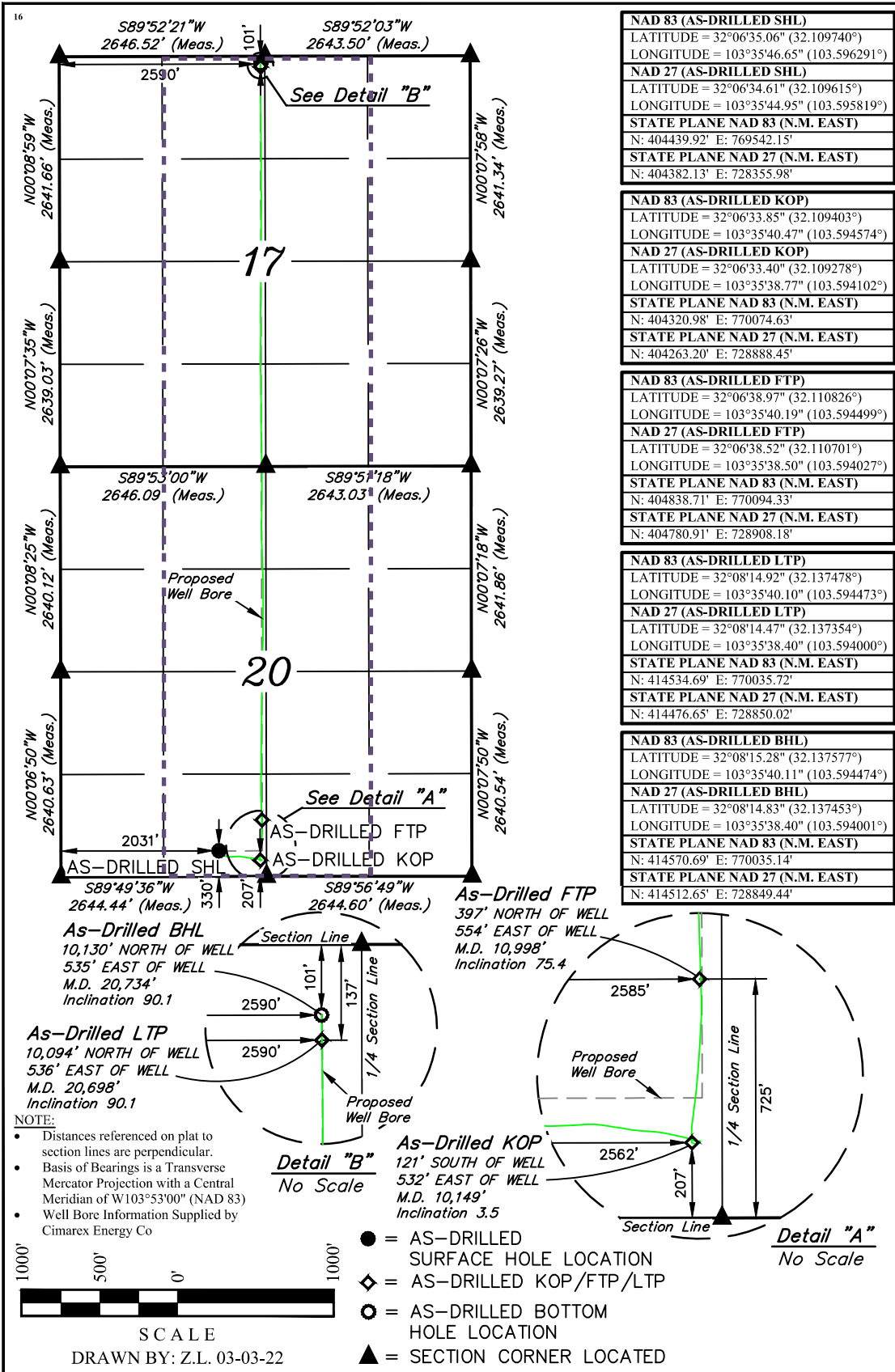
<sup>10</sup> Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 2031	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 101	North/South line NORTH	Feet from the 2590	East/West line WEST	County LEA
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. PC-1393						

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.



<sup>17</sup> 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.

*K. Schlichting* 5/9/22  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address

<sup>18</sup> 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.

October 29, 2021  
Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	5,144.48'
SECTION 20	4,554.41'
TOTAL	9,698.89'

District I  
1625 N. French Dr., Hobbs, NM 88240  
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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District IV  
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Phone: (505) 476-3460 Fax: (505) 476-3462

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44358	<sup>2</sup> Pool Code 97903	<sup>3</sup> Pool Name WC-025 G-08 S253235G; LWR Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 12H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3417.5'

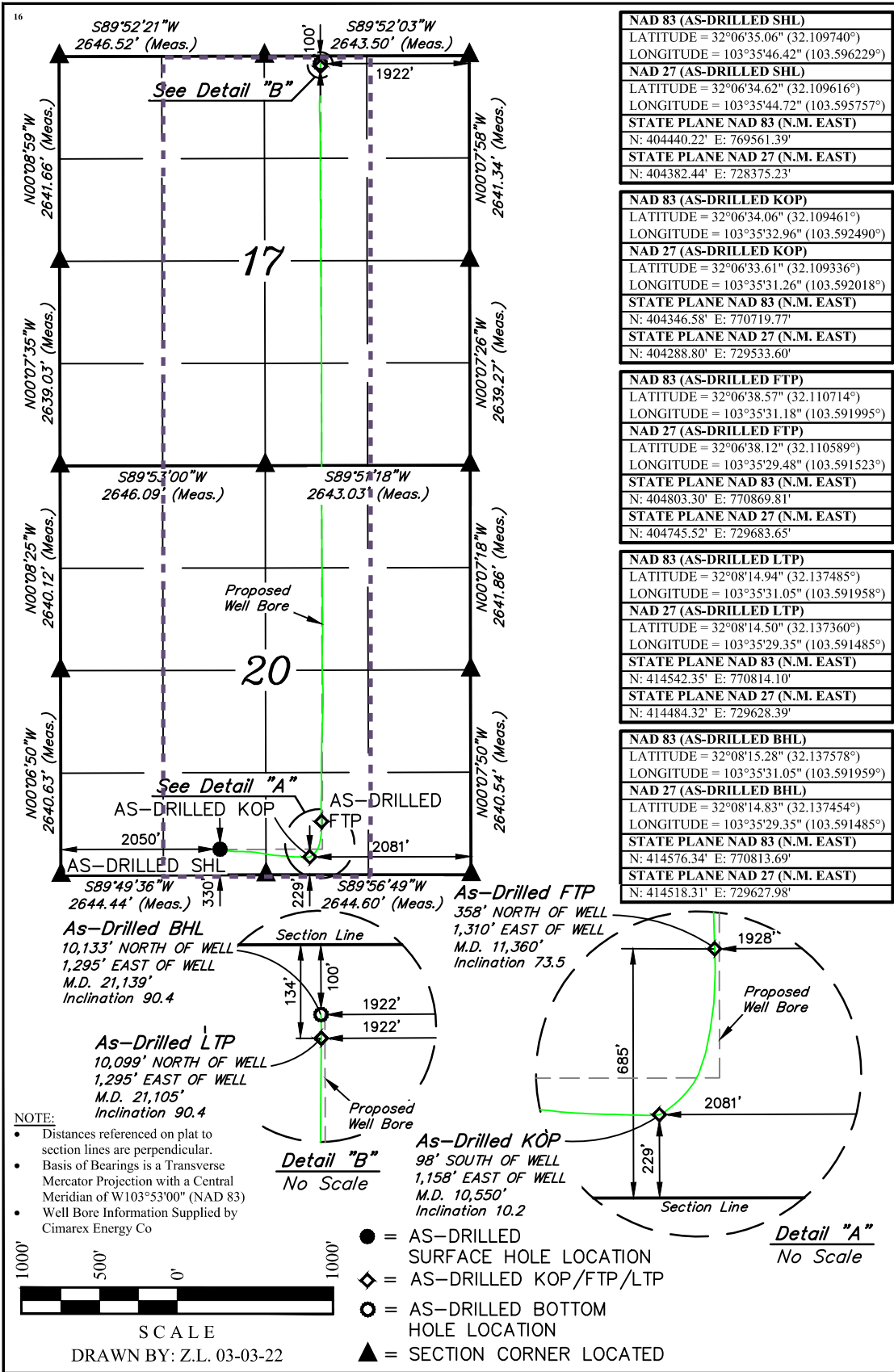
<sup>10</sup> Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 2050	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. B	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1922	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. PC-1393						

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.



<sup>17</sup> OPERATOR  
CERTIFICATION

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*K. Schlichting* 5/6/22  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address

<sup>18</sup> 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.

October 29, 2021

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	4,595.10'
SECTION 20	5,154.96'
TOTAL	9,750.06'

☐ AMENDED REPORT

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

<sup>1</sup> API Number 30-025-46114		<sup>2</sup> Pool Code 97994		<sup>3</sup> Pool Name WC-025 G-06 S253329D; UPR Bone Spring					
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL						<sup>6</sup> Well Number 30H	
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.						<sup>9</sup> Elevation 3419.6'	

<sup>10</sup> Surface Location

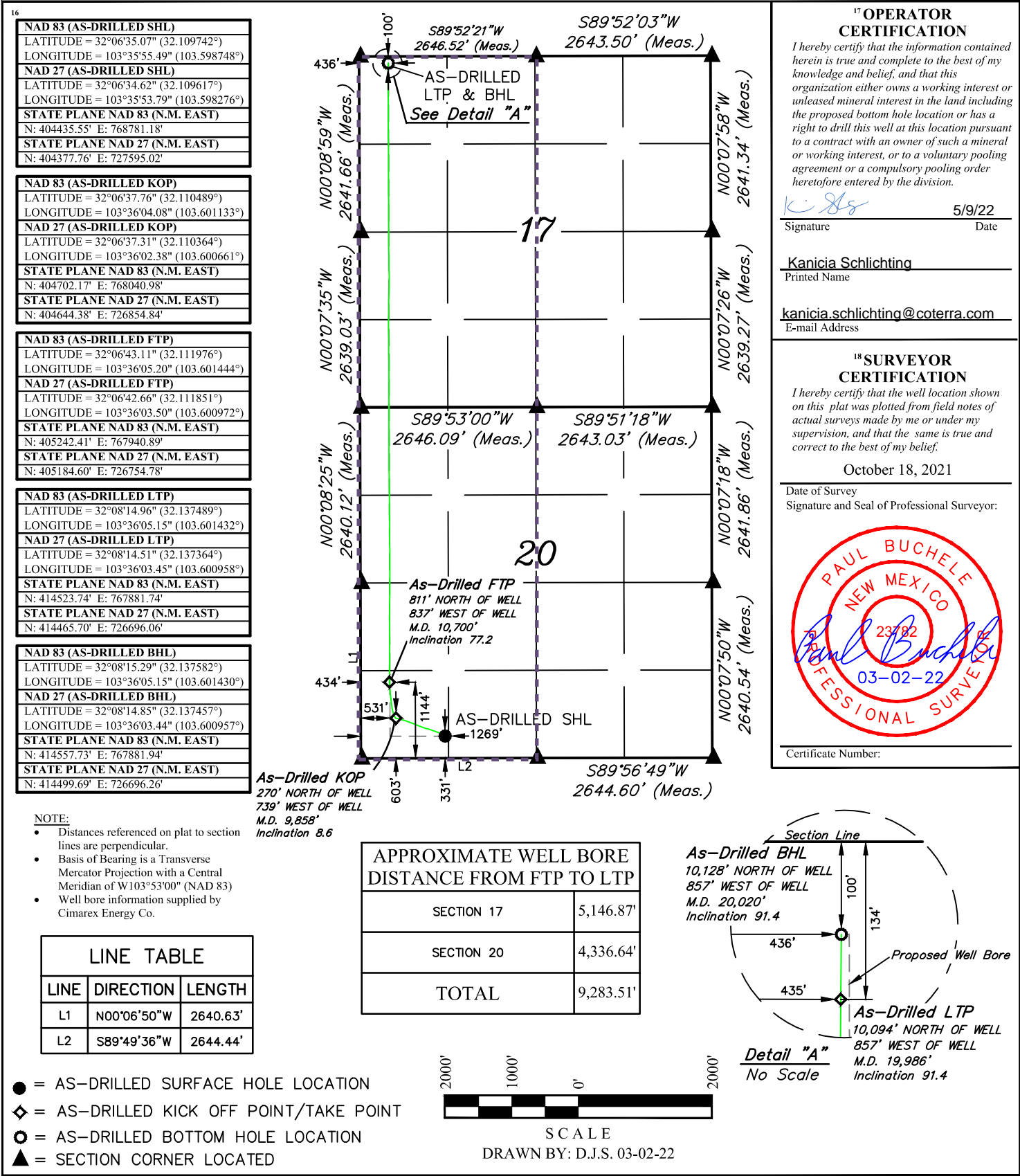
UL or lot no. M	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 331	North/South line SOUTH	Feet from the 1269	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. D	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 436	East/West line WEST	County LEA
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<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. PC-1393			
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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.



☐ AMENDED REPORT

SCALE  
DRAWN BY: D.J.S. 03-02-22

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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**HOBBS** State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
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**AMENDED REPORT**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

30-025-46116	97994	WC-025 G-06 S253329D; UPR BONE SPRING
Property Code 319775	Property Name VACA DRAW 20-17 FEDERAL	Well Number 43H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3407.9'

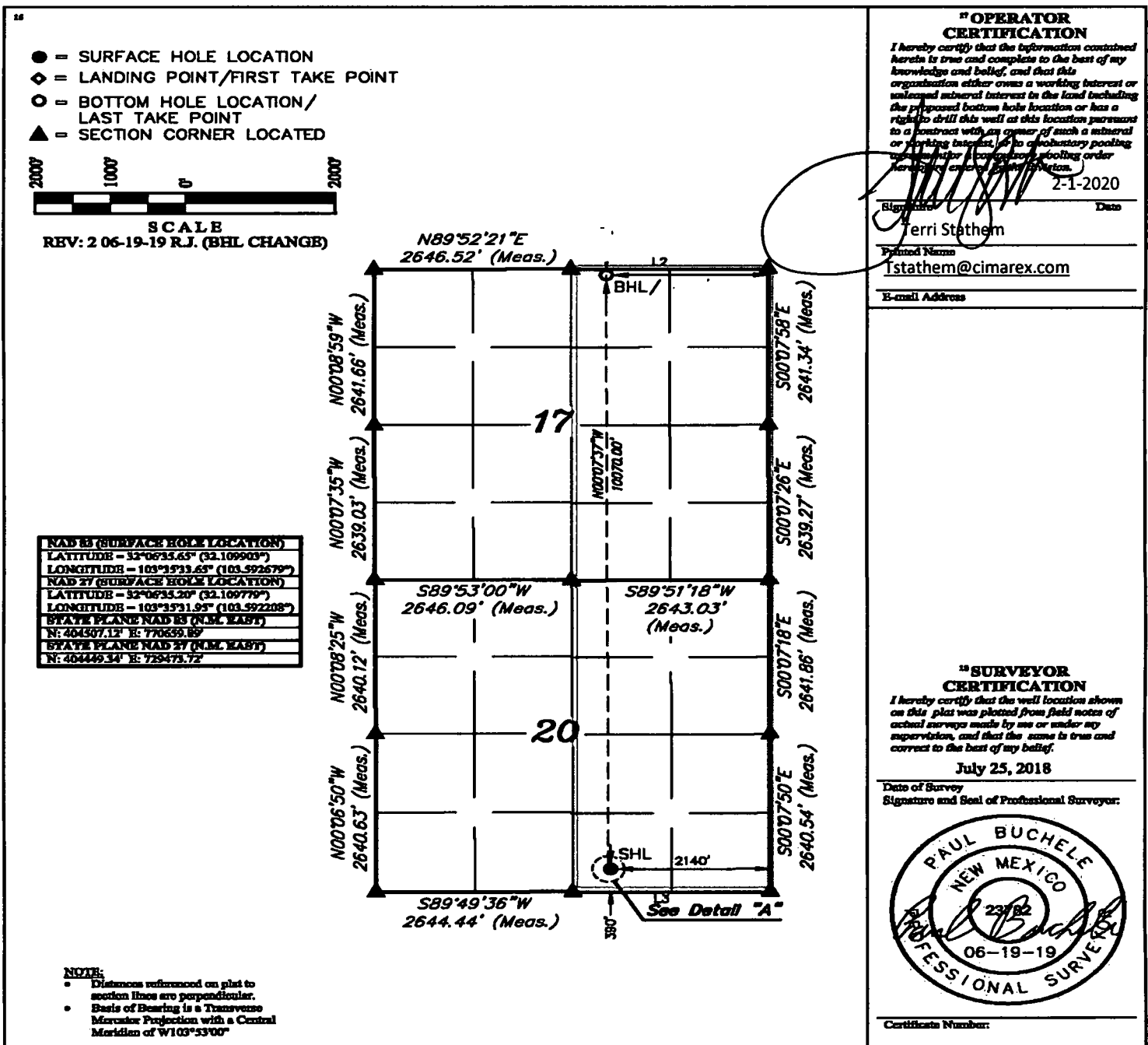
**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	20	25S	33E		390	SOUTH	2140	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	17	25S	33E		101	NORTH	2166	EAST	LEA
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.						

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87506

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# WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-46117		97994	WC-025 G-06 S253329D; UPR BONE SPRING	
319775	VACA DRAW 20-17 FEDERAL			44H
215099	CIMAREX ENERGY CO.			3406.7'

**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
0	20	25S	33E		390	SOUTH	2120	EAST	LEA

**" Bottom Hole Location If Different From Surface**

U/L or lot no. <b>B</b>	Section <b>17</b>	Township <b>25S</b>	Range <b>33E</b>	Lot Idn	Feet from the <b>101</b>	North/South line <b>NORTH</b>	Feet from the <b>1636</b>	East/West line <b>EAST</b>	County <b>LEA</b>
<sup>22</sup> Dedicated Acres <b>640</b>		<sup>23</sup> Joint or Infill		<sup>24</sup> Consolidation Code		<sup>25</sup> 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

**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 pits 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 voluntary pooling order heretofore entered into by this organization.

2/1/2020

Signature \_\_\_\_\_ Date \_\_\_\_\_

Terri Stathem  
Printed Name  
Tstathem@cimarex.com

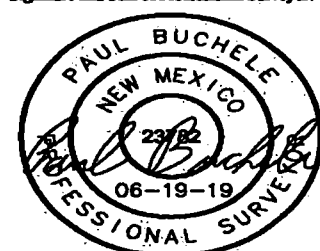
E-mail Address \_\_\_\_\_

## 13 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 25, 2018**

Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor: \_\_\_\_\_



**Certificate Number**

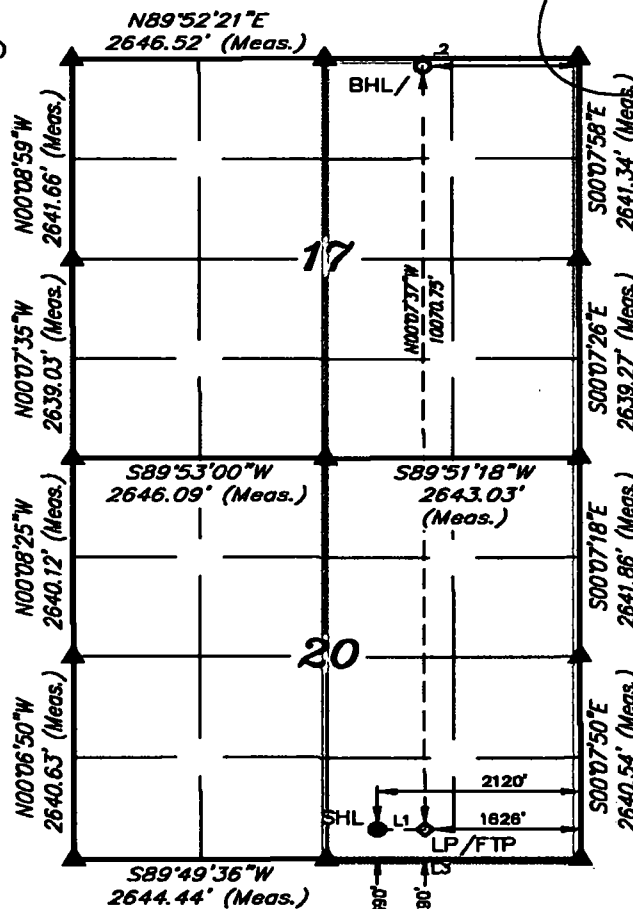
- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



### SCALE

**DRAWN BY: C.D. 09-10-18**  
**REV: 1 R.J. 06-19-19 (BHL CHANGE)**

<b>NAD 83 (SURFACE HOLE LOCATION)</b>
<b>LATITUDE = 32°06'35.65" (32.109903°)</b>
<b>LONGITUDE = 103°53'31.41" (103.892615°)</b>
<b>NAD 27 (SURFACE HOLE LOCATION)</b>
<b>LATITUDE = 32°06'35.20" (32.109779°)</b>
<b>LONGITUDE = 103°53'31.71" (103.892143°)</b>
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N: 404507.21' E: 770679.88'</b>
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N: 404449.43' E: 729483.71'</b>



**NOTES:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

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

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

FEB 10 2020

**WELL LOCATION AND ACREAGE DEDICATION**

30-025-46118		97994	WC-025 G-08 5255329D; UPR BONE SPRING	
319775	VACA DRAW 20-17 FEDERAL			45H
215099	CIMAREX ENERGY CO.			3406.7

### ■ Surface Location

UL or lot no. O	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 2100	East/West line EAST	County LEA
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**" Bottom Hole Location If Different From Surface**

UL or lot no. B	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1236	East/West line EAST	County LEA
<input type="checkbox"/> Dedicated Acres 640		<input type="checkbox"/> Joint or Infill		<input type="checkbox"/> Consolidation Code		<input type="checkbox"/> 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 and has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest or a temporary pooling agreement or has been granted a drilling order by the State of Texas or the Federal government.*

2/1/2020

Signature \_\_\_\_\_ Date \_\_\_\_\_

~~Ferri Stathem~~

Printed Name  
Tstatthem@cimarex.com

---

**E-mail Address**

## 12 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 25, 2018**

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



**Certificate Number:**

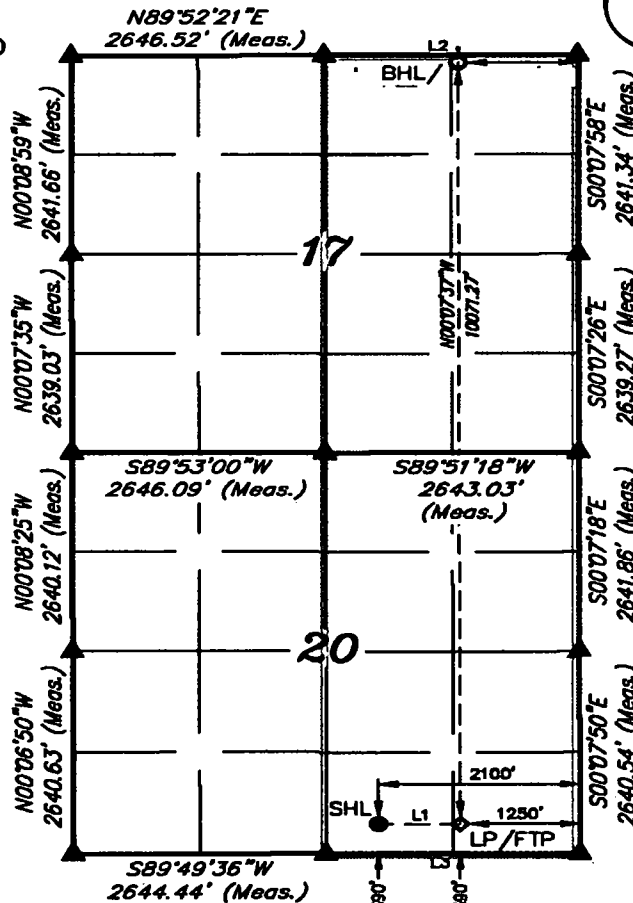
- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



## SCALE

**DRAWN BY: C.D. 09-10-18**  
**REV: 1 R.J. 06-19-19 (BHL CHANGE)**

**NAD 83 (SURFACE HOLE LOCATION)**  
**LATITUDE = 32°06'35.45" (32.109905°)**  
**LONGITUDE = 103°35'31.18" (103.592550°)**  
**NAD 27 (SURFACE HOLE LOCATION)**  
**LATITUDE = 32°06'35.20" (32.109779°)**  
**LONGITUDE = 103°35'31.48" (103.592078°)**  
**STATE PLANE NAD 83 (N.M. EAST)**  
**N: 404507.31' E: 770699.88'**  
**STATE PLANE NAD 27 (N.M. EAST)**  
**N: 404449.53' E: 729513.71'**



**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

☒ AMENDED REPORT

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.

☒ AMENDED REPORT

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

Form C-102  
Revised August 1, 2011  
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# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46119		<sup>2</sup> Pool Code 98180	<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL		<sup>6</sup> Well Number 57H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 3398.5'

## <sup>10</sup> Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 920	East/West line EAST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. B	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1742	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

- 16 ● = SURFACE HOLE LOCATION  
 ◆ = AS-DRILLED KOP/ FTP/ LTP  
 ○ = AS-DRILLED BOTTOM  
 HOLE LOCATION  
 ▲ = SECTION CORNER LOCATED

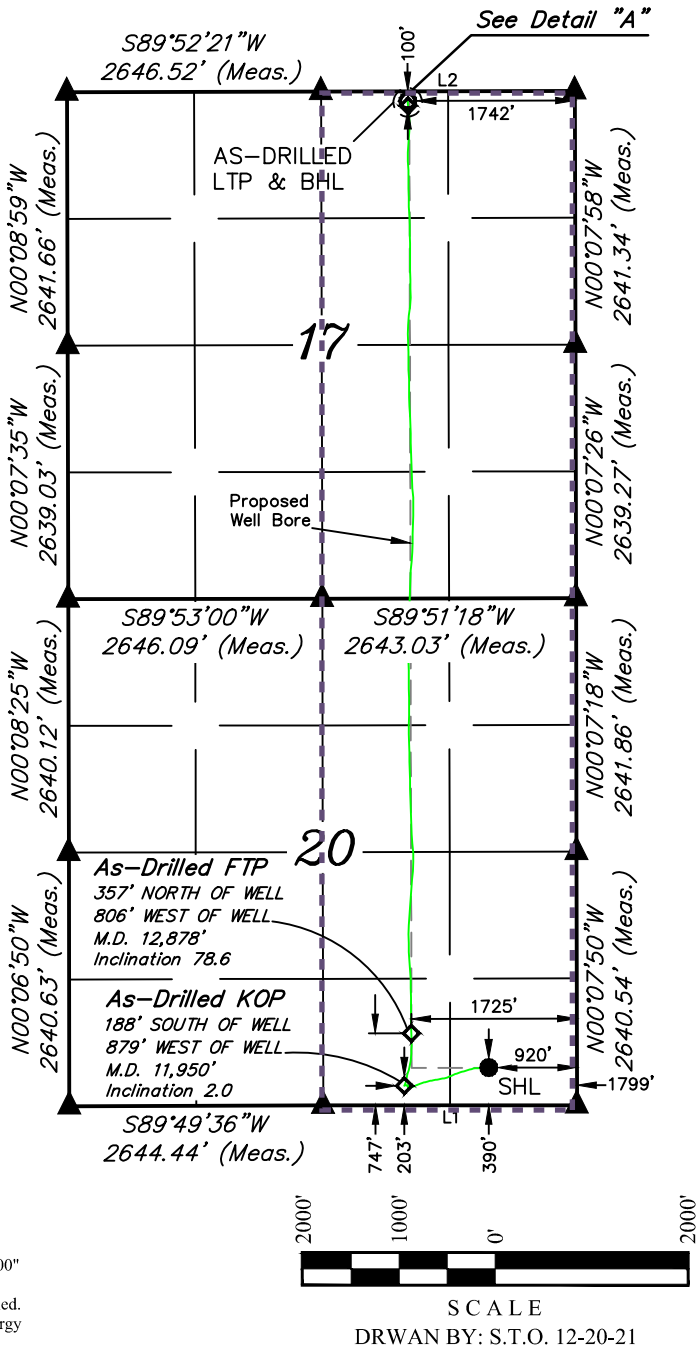
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'
L2	S89°52'03"W	2643.50'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,135.87'
Sec. 20	4,536.05'
TOTAL	9,671.92'

<b>NAD 83 (SURFACE HOLE LOCATION)</b>
<b>LATITUDE</b> = 32°06'35.63" (32.109898°)
<b>LONGITUDE</b> = 103°35'19.64" (103.588740°)
<b>NAD 27 (SURFACE HOLE LOCATION)</b>
<b>LATITUDE</b> = 32°06'35.18" (32.109773°)
<b>LONGITUDE</b> = 103°35'17.77" (103.588268°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 404513.40' <b>E:</b> 771879.66'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 404455.62' <b>E:</b> 730693.48'
<b>NAD 83 (AS-DRILLED KOP)</b>
<b>LATITUDE</b> = 32°06'33.79" (32.109387°)
<b>LONGITUDE</b> = 103°35'29.69" (103.591580°)
<b>NAD 27 (AS-DRILLED KOP)</b>
<b>LATITUDE</b> = 32°06'33.34" (32.109262°)
<b>LONGITUDE</b> = 103°35'27.99" (103.591108°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 404321.52' <b>E:</b> 771001.65'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 404263.74' <b>E:</b> 729815.47'
<b>NAD 83 (AS-DRILLED FTP)</b>
<b>LATITUDE</b> = 32°06'39.18" (32.110884°)
<b>LONGITUDE</b> = 103°35'28.82" (103.591339°)
<b>NAD 27 (AS-DRILLED FTP)</b>
<b>LATITUDE</b> = 32°06'38.73" (32.110759°)
<b>LONGITUDE</b> = 103°35'27.12" (103.590867°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 404866.65' <b>E:</b> 771072.54'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 404808.86' <b>E:</b> 729886.38'
<b>NAD 83 (AS-DRILLED LTP)</b>
<b>LATITUDE</b> = 32°08'14.79" (32.137440°)
<b>LONGITUDE</b> = 103°35'28.92" (103.591366°)
<b>NAD 27 (AS-DRILLED LTP)</b>
<b>LATITUDE</b> = 32°08'14.34" (32.137316°)
<b>LONGITUDE</b> = 103°35'27.21" (103.590993°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 414527.57' <b>E:</b> 770997.57'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 414469.54' <b>E:</b> 729811.87'
<b>NAD 83 (AS-DRILLED BHL)</b>
<b>LATITUDE</b> = 32°08'15.28" (32.137577°)
<b>LONGITUDE</b> = 103°35'28.96" (103.591377°)
<b>NAD 27 (AS-DRILLED BHL)</b>
<b>LATITUDE</b> = 32°08'14.83" (32.137453°)
<b>LONGITUDE</b> = 103°35'27.25" (103.590904°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 414577.37' <b>E:</b> 770993.71'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 414519.34' <b>E:</b> 729808.01'

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- As-Drilled Surface Hole Location not field verified.
- Well Bore information supplied by Cimarex Energy Co.



## 17 OPERATOR CERTIFICATION

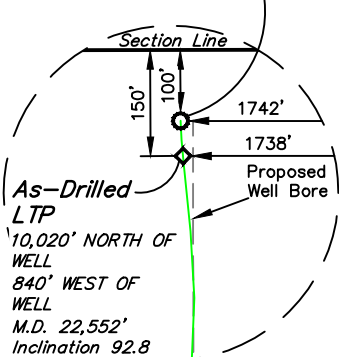
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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.*

Signature K. Sg Date 3/3/2022

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address

*As-Drilled BHL*  
*10,069' NORTH OF WELL*  
*844' WEST OF WELL*  
*M.D. 22,602'*  
*Inclination 92.5*



## 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 27, 2018

Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor: \_\_\_\_\_



Certificate Number:

District I  
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Form C-102  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46120		<sup>2</sup> Pool Code 98180	<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL		<sup>6</sup> Well Number 58H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 3398.8'

<sup>10</sup> Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 900	East/West line EAST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1040	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

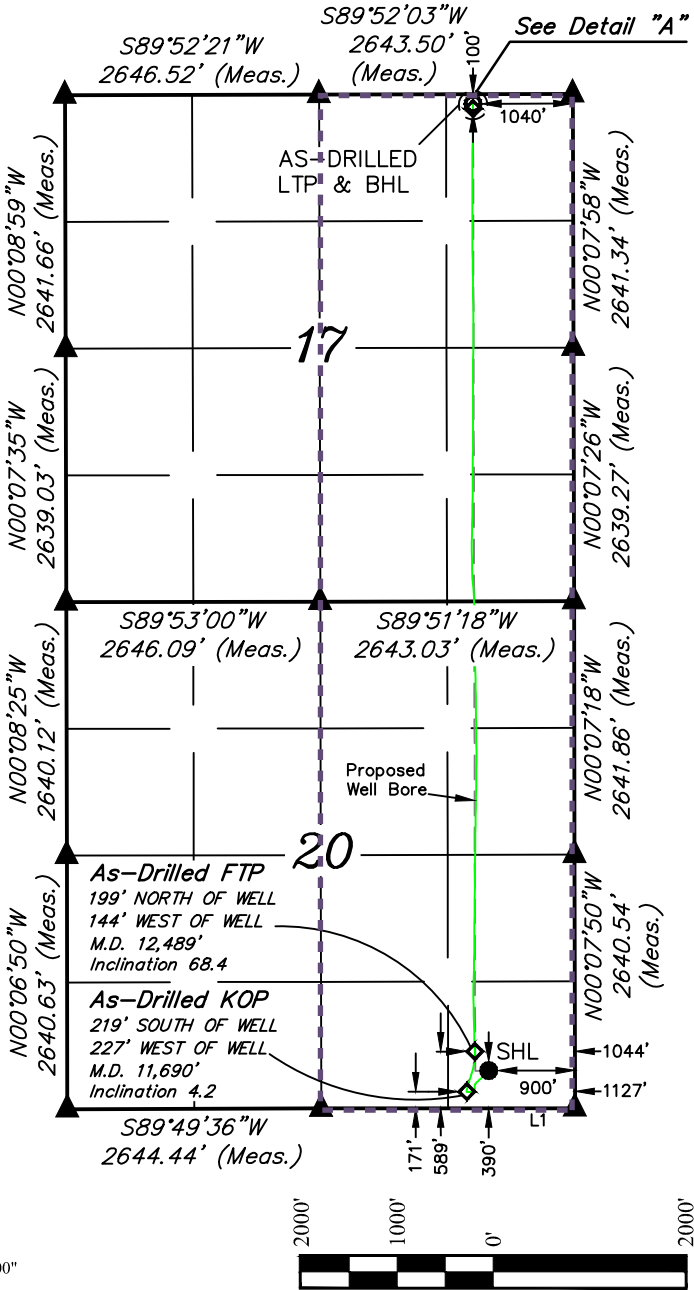
- <sup>16</sup>
- = SURFACE HOLE LOCATION
  - ◆ = AS-DRILLED KOP/ FTP/ LTP
  - = AS-DRILLED BOTTOM HOLE LOCATION
  - ▲ = SECTION CORNER LOCATED

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,131.60'
Sec. 20	4,692.43'
TOTAL	9,824.03'

<b>NAD 83 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.63" (32.109898°) LONGITUDE = 103°35'19.23" (103.588675°)	
<b>NAD 27 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.18" (32.109773°) LONGITUDE = 103°35'17.53" (103.588203°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404513.51' E: 771899.71'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404455.73' E: 730713.53'	
<b>NAD 83 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.47" (32.109297°) LONGITUDE = 103°35'21.88" (103.589410°)	
<b>NAD 27 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.02" (32.109172°) LONGITUDE = 103°35'20.18" (103.588938°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404293.32' E: 771673.65'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404235.54' E: 730487.46'	
<b>NAD 83 (AS-DRILLED FTP)</b> LATITUDE = 32°06'37.60" (32.110445°) LONGITUDE = 103°35'20.90" (103.589139°)	
<b>NAD 27 (AS-DRILLED FTP)</b> LATITUDE = 32°06'37.15" (32.110320°) LONGITUDE = 103°35'19.20" (103.588668°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404711.68' E: 771754.60'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404653.89' E: 730568.43'	
<b>NAD 83 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.78" (32.137440°) LONGITUDE = 103°35'20.81" (103.589114°)	
<b>NAD 27 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.33" (32.137315°) LONGITUDE = 103°35'19.10" (103.588640°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414532.11' E: 771694.79'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414474.08' E: 730509.08'	
<b>NAD 83 (AS-DRILLED BHL)</b> LATITUDE = 32°08'15.28" (32.137577°) LONGITUDE = 103°35'20.80" (103.589110°)	
<b>NAD 27 (AS-DRILLED BHL)</b> LATITUDE = 32°08'14.83" (32.137453°) LONGITUDE = 103°35'19.09" (103.588637°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414582.09' E: 771695.45'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414524.06' E: 730509.74'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
  - As-Drilled Surface Hole Location not field verified.
  - Well Bore information supplied by Cimarex Energy Co.



<sup>17</sup> 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.

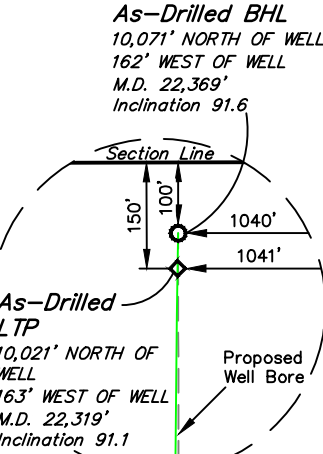
*K. Schlichting* 3/6/22  
Signature Date

Kanicia Schlichting

Printed Name

kanicia.schlichting@coterra

E-mail Address



<sup>18</sup> 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 27, 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

<sup>1</sup> API Number 30-025-46121		<sup>2</sup> Pool Code 98180		<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 59H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3398.6'

<sup>10</sup> Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 880	East/West line EAST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 354	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

- <sup>16</sup>
- = SURFACE HOLE LOCATION
  - ◆ = AS-DRILLED KOP/ FTP/ LTP
  - = AS-DRILLED BOTTOM HOLE LOCATION
  - ▲ = SECTION CORNER LOCATED

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,133.08'
Sec. 20	4,604.23'
TOTAL	9,737.31'

<b>NAD 83 (SURFACE HOLE LOCATION)</b>	
LATITUDE = 32°06'35.63" (32.109897°)	
LONGITUDE = 103°35'19.00" (103.588611°)	
<b>NAD 27 (SURFACE HOLE LOCATION)</b>	
LATITUDE = 32°06'35.18" (32.109773°)	
LONGITUDE = 103°35'17.30" (103.588139°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404513.62' E: 771919.71'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 404455.84' E: 730733.53'	
<b>NAD 83 (AS-DRILLED KOP)</b>	
LATITUDE = 32°06'33.25" (32.109237°)	
LONGITUDE = 103°35'14.28" (103.587299°)	
<b>NAD 27 (AS-DRILLED KOP)</b>	
LATITUDE = 32°06'32.80" (32.109112°)	
LONGITUDE = 103°35'12.58" (103.586828°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404276.18' E: 772327.35'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 404218.41' E: 731141.16'	
<b>NAD 83 (AS-DRILLED FTP)</b>	
LATITUDE = 32°06'38.57" (32.110714°)	
LONGITUDE = 103°35'12.97" (103.586936°)	
<b>NAD 27 (AS-DRILLED FTP)</b>	
LATITUDE = 32°06'38.12" (32.110589°)	
LONGITUDE = 103°35'11.27" (103.586464°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404814.26' E: 772436.13'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 404756.48' E: 731249.95'	
<b>NAD 83 (AS-DRILLED LTP)</b>	
LATITUDE = 32°08'14.77" (32.137436°)	
LONGITUDE = 103°35'12.82" (103.586895°)	
<b>NAD 27 (AS-DRILLED LTP)</b>	
LATITUDE = 32°08'14.32" (32.137312°)	
LONGITUDE = 103°35'11.12" (103.586422°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 414535.66' E: 772381.56'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 414477.63' E: 731195.85'	
<b>NAD 83 (AS-DRILLED BHL)</b>	
LATITUDE = 32°08'15.28" (32.137577°)	
LONGITUDE = 103°35'12.83" (103.586896°)	
<b>NAD 27 (AS-DRILLED BHL)</b>	
LATITUDE = 32°08'14.83" (32.137452°)	
LONGITUDE = 103°35'11.12" (103.586423°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 414586.65' E: 772380.88'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 414528.63' E: 731195.16'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
  - As-Drilled Surface Hole Location not field verified.
  - Well Bore information supplied by Cimarex Energy Co.

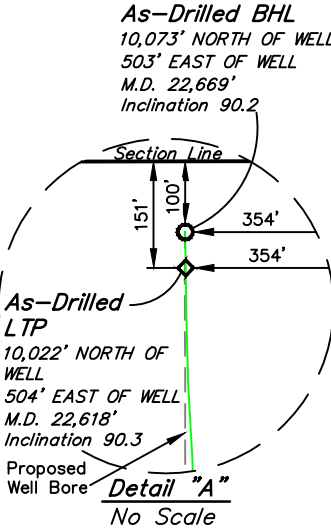
**<sup>17</sup> OPERATOR CERTIFICATION**

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.

*K. Schlichting* 3/5/21  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address



**<sup>18</sup> 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 27, 2018

Date of Survey

Signature and Seal of Professional Surveyor:

**PAUL BUCHELE**  
NEW MEXICO  
23782  
12-20-21  
PROFESSIONAL SURVEYOR

Certificate Number:

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Cimarex Energy Company 600 N. Marienfeld St., Suite 600 Midland, TX 79701		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 12/16/21
<sup>4</sup> API Number 30 - 025-47961	<sup>5</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp	<sup>6</sup> Pool Code 98180
<sup>7</sup> Property Code 319775	<sup>8</sup> Property Name Vaca Draw 20-17 Federal	<sup>9</sup> Well Number 61H

II. <sup>10</sup> 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	20	25S	33E		390	South	860	East	Lea

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	25S	33E		100	North	702	East	Lea
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 12/16/21	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters


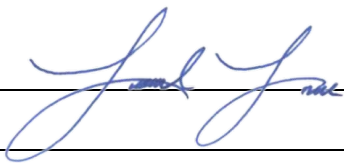
<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
320009	Enlink Midstream Operating, LP	G
267255	Energy Transfer Partners, LP	O

IV. Well Completion Data

<sup>21</sup> Spud Date 04/10/21	<sup>22</sup> Ready Date 12/16/21	<sup>23</sup> TD 23,127MD/ 13,064TVD	<sup>24</sup> PBTD 23,105	<sup>25</sup> Perforations 13,294 - 23,080	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
14-3/4	10-3/4	1055	795		
9-7/8	7-5/8	13,214	1100		
6-3/4	5-1/2 5	12,318 23,116	1164		
	Request tubing extension				

V. Well Test Data

<sup>31</sup> Date New Oil 12/15/21	<sup>32</sup> Gas Delivery Date 12/15/21	<sup>33</sup> Test Date 12/29/21	<sup>34</sup> Test Length 24hrs	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 3394
<sup>37</sup> Choke Size	<sup>38</sup> Oil 736	<sup>39</sup> Water 5906	<sup>40</sup> Gas 4160		<sup>41</sup> Test Method Flowing

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: Kanicia Schlichting		Approved by: 	
Title: Regulatory Analyst		Title: Engineer	
E-mail Address: kschlichting@cimarex.com		Approval Date: 04/26/2022	
Date: 03/09/22	Phone: 432-571-7894	COA: File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	

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  
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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

<sup>1</sup> API Number 30-025-47961		<sup>2</sup> Pool Code 98180	<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL		<sup>6</sup> Well Number 61H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 3398.3'

<sup>10</sup> 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	20	25S	33E		390	SOUTH	860	EAST	LEA

<sup>11</sup> 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	17	25S	33E		100	NORTH	702	EAST	LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

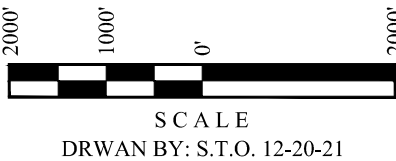
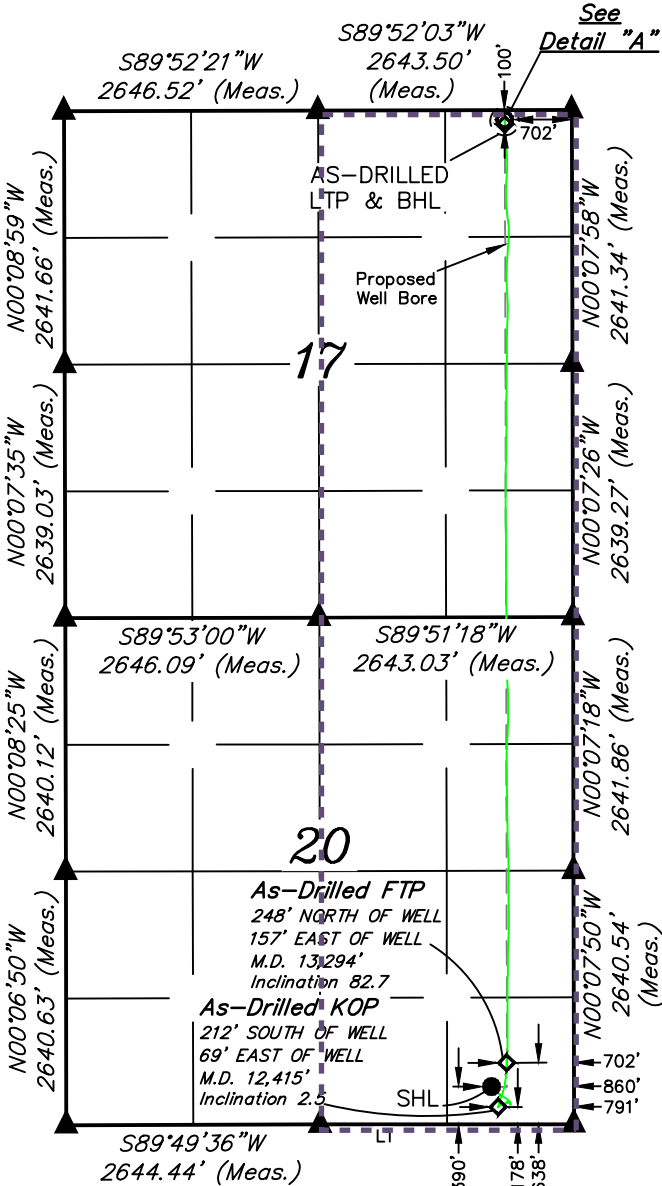
- <sup>16</sup>
- = SURFACE HOLE LOCATION
  - ◆ = AS-DRILLED KOP/ FTP/ LTP
  - = AS-DRILLED BOTTOM HOLE LOCATION
  - ▲ = SECTION CORNER LOCATED

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,137.81'
Sec. 20	4,644.61'
TOTAL	9,782.42'

<b>NAD 83 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.63" (32.109897°) LONGITUDE = 103°35'18.77" (103.588546°)	
<b>NAD 27 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.18" (32.109773°) LONGITUDE = 103°35'17.07" (103.588075°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404513.69' E: 771939.65'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404455.91' E: 730753.47'	
<b>NAD 83 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.53" (32.109314°) LONGITUDE = 103°35'17.97" (103.588324°)	
<b>NAD 27 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.08" (32.109189°) LONGITUDE = 103°35'16.27" (103.587853°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404301.90' E: 772009.82'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404244.13' E: 730823.63'	
<b>NAD 83 (AS-DRILLED FTP)</b> LATITUDE = 32°06'38.08" (32.110578°) LONGITUDE = 103°35'16.93" (103.588036°)	
<b>NAD 27 (AS-DRILLED FTP)</b> LATITUDE = 32°06'37.63" (32.110453°) LONGITUDE = 103°35'15.23" (103.587564°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404762.44' E: 772096.06'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404704.66' E: 730909.88'	
<b>NAD 83 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.81" (32.137448°) LONGITUDE = 103°35'16.83" (103.588009°)	
<b>NAD 27 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.37" (32.137324°) LONGITUDE = 103°35'15.13" (103.587536°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414537.55' E: 772036.61'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414479.52' E: 730850.89'	
<b>NAD 83 (AS-DRILLED BHL)</b> LATITUDE = 32°08'15.28" (32.137577°) LONGITUDE = 103°35'16.87" (103.588018°)	
<b>NAD 27 (AS-DRILLED BHL)</b> LATITUDE = 32°08'14.83" (32.137453°) LONGITUDE = 103°35'15.16" (103.587545°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414584.44' E: 772033.42'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414526.41' E: 730847.71'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
  - As-Drilled Surface Hole Location not field verified.
  - Well Bore information supplied by Cimarex Energy Co.



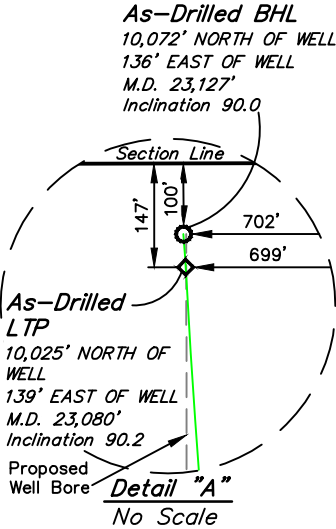
<sup>17</sup> OPERATOR CERTIFICATION

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.

*K. Schlichting* 3/6/22  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address



<sup>18</sup> 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 27, 2018

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:



## Final Surveys - Cimarex Vaca Draw 20-17 Federal #61H MWD 0ft-23127ft (Surcon Corrected) Survey Geodetic Report (Def Survey)



<b>Report Date:</b> June 07, 2021 - 09:01 AM <b>Client:</b> Cimarex Energy <b>Field:</b> NM Lea County (NAD 83) <b>Structure / Slot:</b> Cimarex Vaca Draw 20-17 Federal #61H / New Slot <b>Well:</b> Vaca Draw 20-17 Federal #61H <b>Borehole:</b> Vaca Draw 20-17 Federal #61H <b>UWI / AP#:</b> Unknown / Unknown <b>Survey Name:</b> Final Surveys - Cimarex Vaca Draw 20-17 Federal #61H MWD 0ft-23127ft (Surcon Corrected) <b>Survey Date:</b> April 09, 2021 <b>Tort / AHD / DDI / ERD Ratio:</b> 302.208 ° / 10768.015 ft / 6.757 / 0.818 <b>Coordinate Reference System:</b> NAD83 New Mexico State Plane, Eastern Zone, US Feet <b>Location Lat / Long:</b> N 32° 6' 35.63006", W 103° 35' 18.76651" <b>Location Grid N/E Y/X:</b> N 404513.690 RUS, E 771939.650 RUS <b>CRS Grid Convergence Angle:</b> 0.3959 ° <b>Grid Scale Factor:</b> 0.99997 <b>Version / Patch:</b> 2.10.825.0	<b>Survey / DLS Computation:</b> Minimum Curvature / Lubinski <b>Vertical Section Azimuth:</b> 359.634 ° (Grid North) <b>Vertical Section Origin:</b> 0.000 ft, 0.000 ft <b>TVD Reference Datum:</b> RKB <b>TVD Reference Elevation:</b> 3420.300 ft above MSL <b>Seabed / Ground Elevation:</b> 3398.300 ft above MSL <b>Magnetic Declination:</b> 6.418 ° <b>Total Gravity Field Strength:</b> 998.4332mgn (9.80665 Based) <b>Gravity Model:</b> GARM <b>Total Magnetic Field Strength:</b> 47565.341 nT <b>Magnetic Dip Angle:</b> 59.666 ° <b>Declination Date:</b> June 06, 2021 <b>Magnetic Declination Model:</b> HDGM 2020 <b>North Reference:</b> Grid North <b>Grid Convergence Used:</b> 0.3959 ° <b>Total Corr Mag North-Grid North:</b> 6.0221 ° <b>Local Coord Referenced To:</b> Well Head
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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure Azimuth (°)	Closure (ft)
SHL [390° FSL, 860° FEL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	404513.69	771939.65	N 32° 6' 35.63	W 103° 35' 18.77	0.00	0.00
	182.00	0.34	153.85	182.00	-0.49	-0.48	0.24	0.19	404513.21	771939.89	N 32° 6' 35.63	W 103° 35' 18.76	153.85	0.54
	312.00	0.37	174.16	312.00	-1.25	-1.25	0.45	0.10	404512.44	771940.10	N 32° 6' 35.62	W 103° 35' 18.76	160.15	1.33
	403.00	0.15	222.31	403.00	-1.63	-1.63	0.40	0.32	404512.06	771940.05	N 32° 6' 35.61	W 103° 35' 18.76	166.19	1.68
	494.00	0.23	311.16	494.00	-1.60	-1.60	0.18	0.30	404512.09	771939.83	N 32° 6' 35.61	W 103° 35' 18.76	173.47	1.61
	584.00	0.48	308.74	583.99	-1.24	-1.24	-0.25	0.28	404512.45	771939.40	N 32° 6' 35.62	W 103° 35' 18.77	191.26	1.27
	674.00	0.79	301.43	673.99	-0.68	-0.68	-1.07	0.36	404513.01	771938.58	N 32° 6' 35.62	W 103° 35' 18.78	237.49	1.27
	765.00	1.18	295.76	764.97	0.07	0.05	-2.45	0.44	404513.74	771937.20	N 32° 6' 35.63	W 103° 35' 18.79	271.21	2.45
	855.00	0.48	146.12	854.97	0.16	0.14	-3.07	1.79	404513.83	771936.58	N 32° 6' 35.63	W 103° 35' 18.80	272.64	3.08
	946.00	1.27	128.10	945.96	-0.78	-0.80	-2.07	0.91	404512.89	771937.58	N 32° 6' 35.62	W 103° 35' 18.79	248.92	2.22
	992.00	1.19	127.92	991.95	-1.40	-1.41	-1.29	0.17	404512.28	771938.36	N 32° 6' 35.62	W 103° 35' 18.78	222.56	1.91
	1136.00	0.50	169.32	1135.93	-2.94	-2.94	0.01	0.61	404510.75	771939.66	N 32° 6' 35.60	W 103° 35' 18.77	179.89	2.94
	1230.00	0.95	174.72	1229.92	-4.12	-4.12	0.15	0.48	404509.57	771939.80	N 32° 6' 35.59	W 103° 35' 18.77	177.87	4.12
	1324.00	0.79	166.61	1323.91	-5.53	-5.53	0.38	0.21	404508.16	771940.03	N 32° 6' 35.58	W 103° 35' 18.76	176.12	5.54
	1417.00	0.79	165.10	1416.90	-6.77	-6.77	0.69	0.02	404506.92	771940.34	N 32° 6' 35.56	W 103° 35' 18.76	174.19	6.81
	1511.00	0.78	162.96	1510.90	-8.01	-8.01	1.04	0.03	404505.68	771940.69	N 32° 6' 35.55	W 103° 35' 18.76	172.58	8.08
	1605.00	0.79	160.49	1604.89	-7.98	-7.98	1.30	1.64	404505.71	771940.95	N 32° 6' 35.55	W 103° 35' 18.75	170.76	8.08
	1698.00	0.72	159.58	1697.89	-7.90	-7.89	1.57	1.58	404505.80	771941.22	N 32° 6' 35.55	W 103° 35' 18.75	168.75	8.04
	1792.00	0.73	161.39	1791.88	-9.02	-9.01	1.97	0.03	404504.68	771941.62	N 32° 6' 35.54	W 103° 35' 18.74	167.68	9.22
	1885.00	0.75	159.23	1884.87	-10.15	-10.14	2.37	0.04	404503.55	771942.02	N 32° 6' 35.53	W 103° 35' 18.74	166.83	10.41
	1979.00	1.68	146.74	1978.85	-11.89	-11.86	3.35	1.02	404501.83	771943.00	N 32° 6' 35.51	W 103° 35' 18.73	164.25	12.33
	2073.00	3.79	139.56	2072.74	-15.42	-15.38	6.12	2.27	404498.31	771945.77	N 32° 6' 35.48	W 103° 35' 18.70	158.32	16.55
	2167.00	4.86	135.57	2166.47	-20.66	-20.59	10.92	1.18	404493.10	771950.57	N 32° 6' 35.43	W 103° 35' 18.64	152.06	23.31
	2261.00	4.61	134.09	2260.15	-26.17	-26.06	16.42	0.30	404487.63	771956.07	N 32° 6' 35.37	W 103° 35' 18.58	147.79	30.80
	2354.00	4.50	131.26	2352.86	-31.21	-31.07	21.85	0.27	404482.62	771961.50	N 32° 6' 35.32	W 103° 35' 18.52	144.89	37.98
	2448.00	4.32	128.52	2446.58	-35.88	-35.70	27.39	0.29	404477.99	771967.04	N 32° 6' 35.27	W 103° 35' 18.45	142.51	45.00
	2542.00	4.38	126.55	2540.31	-40.26	-40.05	33.04	0.17	404473.69	771972.69	N 32° 6' 35.23	W 103° 35' 18.39	140.47	51.92
	2729.00	6.14	127.88	2726.51	-50.74	-50.44	46.67	0.94	404463.25	771986.32	N 32° 6' 35.13	W 103° 35' 18.23	137.22	68.72
	2822.00	6.19	124.06	2818.98	-56.65	-56.30	54.75	0.44	404457.39	771994.40	N 32° 6' 35.07	W 103° 35' 18.13	135.80	78.54
	2916.00	6.24	126.11	2912.42	-62.55	-62.15	63.08	0.24	404451.54	772002.73	N 32° 6' 35.01	W 103° 35' 18.04	134.58	88.55
	3010.00	6.21	116.46	3005.87	-67.89	-67.43	71.76	1.11	404446.26	772011.40	N 32° 6' 34.96	W 103° 35' 17.94	133.22	98.47
	3103.00	6.97	123.29	3098.26	-73.28	-72.77	80.98	1.17	404440.93	772020.62	N 32° 6' 34.90	W 103° 35' 17.83	131.94	108.87
	3290.00	7.72	122.39	3283.72	-86.37	-85.72	101.07	0.41	404427.97	772040.71	N 32° 6' 34.77	W 103° 35' 17.60	130.30	132.53
	3383.00	7.48	124.32	3375.91	-93.19	-92.48	111.34	0.38	404421.21	772050.99	N 32° 6' 34.71	W 103° 35' 17.48	129.71	144.74
	3571.00	7.42	124.28	3562.32	-107.06	-106.22	131.48	0.03	404407.47	772071.12	N 32° 6' 34.57	W 103° 35' 17.25	128.93	169.02
	3757.00	7.44	125.53	3746.76	-120.94	-119.98	151.29	0.09	404393.71	772090.85	N 32° 6' 34.43	W 103° 35' 17.02	128.43	193.02
	3944.00	6.78	127.62	3932.32	-134.84	-133.76	169.80	0.38	404379.94	772109.44	N 32° 6' 34.29	W 103° 35' 16.80	128.23	216.15
	4038.00	6.26	126.07	4025.71	-141.30	-140.16	178.34	0.58	404373.53	772117.98	N 32° 6' 34.23	W 103° 35' 16.70	128.16	226.82
	4131.00	5.65	129.92	4118.21	-147.27	-146.08	185.95	0.78	404367.61	772125.59	N 32° 6' 34.17	W 103° 35' 16.62	128.15	236.47
	4225.00	5.64	135.79	4211.75	-153.59	-152.36	192.72	0.61	404361.33	772132.36	N 32° 6' 34.11	W 103° 35' 16.54	128.33	245.67
	4318.00	4.80	154.86	4304.37	-160.42	-159.16	197.56	2.06	404354.53	772137.20	N 32° 6' 34.04	W 103° 35' 16.48	128.86	253.69
	4412.00	4.88	164.45	4398.04	-167.85	-166.57	200.30	0.86	404347.12	772139.94	N 32° 6' 33.97	W 103° 35' 16.45	129.75	260.51
	4505.00	4.25	176.24	4490.75	-175.11	-173.82	201.59	1.21	404339.87	772141.23	N 32° 6' 33.90	W 103° 35' 16.44	130.77	266.18
	4599.00	4.09	182.24	4584.50	-181.93	-180.65	201.68	0.49	404333.05	772141.33	N 32° 6' 33.83	W 103° 35' 16.44	131.85	270.76
	4693.00	2.02	188.63	4678.36	-186.92	-185.64	201.30	2.23	404328.06	772140.95	N 32° 6' 33.78	W 103° 35' 16.44	132.68	273.83
	4786.00	0.87	307.24	4771.34	-188.11	-186.83	200.50	2.75	404326.87	772140.14	N 32° 6' 33.77	W 103° 35' 16.45	132.98	274.05
	4973.00	0.74	315.54	4958.32	-186.37	-185.11	198.52	0.09	404328.59	772138.16	N 32° 6' 33.78	W 103° 35' 16.47	133.00	271.43
	5067.00	0.70	311.20	5052.31	-185.56	-184.30	197.66	0.07	404329.40	772137.31	N 32° 6' 33.79	W 103° 35' 16.48	133.00	270.25
	5160.00	0.68	320.61	5145.31	-184.75	-183.50	196.88	0.12	404330.20	772136.53	N 32° 6' 33.80	W 103° 35' 16.49	132.98	269.14
	5254.00	0.86	323.78	5239.30	-183.75	-182.50	196.11	0.20	404331.20	772135.76	N 32° 6' 33.81	W 103° 35' 16.50	132.94	267.89
	5347.00	0.80	326.81	5332.29	-182.64	-181.39	195.35	0.08	404332.30	772134.99	N 32° 6' 33.82	W 103° 35' 16.51	132.88	266.58
	5441.00	0.72	332.90	5426.28	-181.56	-180.32	194.72	0.12	404333.38	772134.36	N 32° 6' 33.83	W 103° 35' 16.52	132.80	265.38
	5534.00	0.77	329.10	5519.27	-180.50	-179.26	194.13	0.08	404334.44	772133.77	N 32° 6' 33.84	W 103° 35' 16.52	132.72	264.24
	5628.00	0.69	313.31	5613.27	-179.56	-178.33	193.39	0.23	404335.37	772133.04	N 32° 6' 33.85	W 103° 35' 16.53	132.68	263.06
	5815.00	1.07	327.74	5800.24	-177.30	-176.08	191.64	0.23	404337.61	772131.29	N 32° 6' 33.87	W 103° 35' 16.55	132.58	260.25
	5908.00	1.08	330.42	5893.23	-175.80	-174.58	190.75	0.06	404339.11	772130.39	N 32° 6' 33.89	W 103° 35' 16.56	132.47	258.58
	6002.00	0.94	322.15	5987.21	-174.41	-173.20	189.84	0.21	404340.49	772129.48	N 32° 6' 33.90	W 103° 35' 16.57	132.38	256.98
	6095.00	0.95	328.48	6080.20	-173.15	-171.95	188.97	0.11	404341.75	772128.61	N 32° 6' 33.92	W 103° 35' 16.58	132.30	255.49
	6188.00	0.88	327.84	6173.19	-171.88	-170.68	188.18	0.08	404343.01	772127.83	N 32° 6' 33.93	W 103° 35' 16.59	132.21	254.06
	6282.00	0.78	329.03	6267.18	-170.72	-169.52	187.47	0.11	404344.17	772127.11	N 32° 6' 33.94	W 103° 35' 16.60	132.12	252.75
	6375.00	0.92	320.37	6360.17	-169.60	-168.41	186.67	0.20	404345.29	772126.31	N 32° 6' 33.95	W 103° 35' 16.61	132.06	251.41
	6469.00	1.08	319.82	6454.15	-168.33	-167.15	185.61	0.17	404346.55	772125.26	N 32° 6' 33.96	W 103° 35' 16.62	132.00	249.78
	6563.00	1.15	326.88	6548.14	-166.86	-165.68	184.53	0.16	404348.01					

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure Azimuth (°)	Closure (ft)
	9836.00	0.87	198.93	9820.84	-166.78	-165.77	158.57	0.57	404347.92	772098.22	N 32	6 33.98 W 103 35 16.94	136.27	229.40
	10023.00	1.00	234.51	10007.82	-169.06	-168.06	158.78	0.31	404345.63	772096.43	N 32	6 33.96 W 103 35 16.96	136.99	229.84
	10211.00	0.67	269.53	10195.90	-170.91	-169.03	154.35	0.01	404344.67	772093.99	N 32	6 33.95 W 103 35 16.99	137.60	229.80
	10398.00	1.02	254.24	10382.78	-170.45	-169.49	151.65	0.22	404344.21	772091.30	N 32	6 33.94 W 103 35 17.02	138.18	227.40
	10492.00	1.16	280.16	10476.76	-170.50	-169.55	149.91	0.54	404344.15	772089.56	N 32	6 33.94 W 103 35 17.04	138.52	226.32
	10585.00	1.57	267.74	10569.74	-170.37	-169.43	147.71	0.54	404344.26	772087.36	N 32	6 33.94 W 103 35 17.06	138.92	224.78
	10679.00	1.77	253.74	10663.70	-170.81	-169.89	145.03	0.48	404343.81	772084.68	N 32	6 33.94 W 103 35 17.09	139.51	223.37
	10772.00	1.79	249.81	10756.65	-171.70	-170.79	142.29	0.13	404342.90	772081.93	N 32	6 33.93 W 103 35 17.13	140.20	222.30
	10866.00	1.94	252.67	10850.60	-172.66	-171.77	139.39	0.19	404341.92	772079.04	N 32	6 33.92 W 103 35 17.16	140.94	221.21
	10959.00	2.23	266.00	10943.54	-173.23	-172.37	136.08	0.61	404341.33	772075.73	N 32	6 33.92 W 103 35 17.20	141.71	219.61
	11053.00	2.34	274.20	11037.47	-173.20	-172.35	132.35	0.37	404341.34	772071.99	N 32	6 33.92 W 103 35 17.24	142.48	217.31
	11147.00	2.48	267.05	11131.38	-173.14	-172.32	128.40	0.35	404341.38	772068.05	N 32	6 33.92 W 103 35 17.29	143.31	214.90
	11240.00	3.57	255.20	11224.25	-173.95	-173.16	123.59	1.35	404340.53	772063.24	N 32	6 33.91 W 103 35 17.41	144.48	212.74
	11333.00	3.65	251.14	11317.07	-175.61	-174.86	117.99	0.29	404338.84	772057.64	N 32	6 33.89 W 103 35 17.41	145.99	210.94
	11427.00	4.04	251.35	11410.86	-177.60	-176.88	112.02	0.42	404336.81	772051.67	N 32	6 33.87 W 103 35 17.48	147.65	209.37
	11520.00	4.18	249.57	11503.62	-179.79	-179.11	105.74	0.20	404334.58	772045.39	N 32	6 33.85 W 103 35 17.55	149.44	208.00
	11614.00	3.96	240.11	11597.38	-182.56	-181.93	99.72	0.75	404331.77	772039.37	N 32	6 33.82 W 103 35 17.62	151.27	207.47
	11707.00	3.58	229.37	11690.18	-186.02	-185.42	94.73	0.86	404328.28	772034.38	N 32	6 33.79 W 103 35 17.68	152.94	208.22
	11801.00	3.24	224.61	11784.02	-189.80	-189.22	90.64	0.47	404324.47	772030.29	N 32	6 33.75 W 103 35 17.73	154.41	209.81
	11895.00	3.17	222.71	11877.87	-193.57	-193.02	87.01	0.14	404320.67	772026.66	N 32	6 33.71 W 103 35 17.77	155.74	211.73
	11988.00	2.95	219.19	11970.74	-197.30	-196.77	83.75	0.33	404316.93	772023.40	N 32	6 33.68 W 103 35 17.81	156.94	213.85
	12082.00	2.68	222.48	12064.62	-200.77	-200.26	80.74	0.31	404313.43	772020.39	N 32	6 33.64 W 103 35 17.84	158.04	215.93
	12175.00	2.59	222.01	12157.52	-205.98	-205.49	77.81	1.03	404310.10	772017.46	N 32	6 33.61 W 103 35 17.88	159.07	217.86
	12269.00	2.74	224.53	12251.42	-207.20	-206.73	74.76	0.14	404306.97	772014.41	N 32	6 33.58 W 103 35 17.91	160.12	219.87
	12355.00	2.70	218.78	12337.32	-210.23	-209.77	72.05	0.32	404303.92	772011.70	N 32	6 33.55 W 103 35 17.95	161.04	221.80
First SLB Survey	12411.00	2.71	225.22	12393.26	-212.18	-211.73	70.28	0.54	404301.96	772009.93	N 32	6 33.53 W 103 35 17.97	161.64	223.09
KOP	12436.04	1.20	274.08	12418.28	-212.57	-212.13	69.60	8.48	404301.57	772009.25	N 32	6 33.53 W 103 35 17.97	161.83	223.26
	12443.00	1.18	302.81	12425.24	-212.53	-212.09	69.47	8.48	404301.61	772009.12	N 32	6 33.53 W 103 35 17.98	161.86	223.18
	12474.00	3.33	12.38	12456.22	-211.47	-211.03	69.39	10.07	404302.66	772009.04	N 32	6 33.54 W 103 35 17.98	161.80	222.15
	12505.00	6.21	15.81	12487.11	-208.98	-208.54	70.04	9.33	404305.16	772009.69	N 32	6 33.56 W 103 35 17.97	161.43	219.99
	12536.00	8.53	14.44	12517.85	-205.19	-204.73	71.19	7.51	404308.96	772010.84	N 32	6 33.60 W 103 35 17.96	160.83	216.76
	12567.00	17.71	17.71	12549.40	-200.12	-199.66	72.64	8.36	404314.04	772012.28	N 32	6 33.61 W 103 35 17.94	160.01	212.46
	12599.00	12.30	14.11	12579.73	-193.85	-193.38	74.25	3.83	404320.52	772013.39	N 32	6 33.71 W 103 35 17.92	159.00	207.14
	12630.00	14.67	11.04	12609.88	-186.80	-186.32	75.80	7.98	404327.37	772015.45	N 32	6 33.78 W 103 35 17.90	157.86	201.15
	12661.00	17.64	13.64	12639.65	-178.40	-177.90	77.66	9.86	404335.79	772017.31	N 32	6 33.86 W 103 35 17.88	156.42	194.12
	12692.00	19.58	14.92	12669.03	-168.83	-168.32	80.11	6.39	404345.38	772019.76	N 32	6 33.96 W 103 35 17.85	154.55	186.41
	12723.00	22.01	15.85	12698.00	-158.24	-157.71	83.03	7.91	404355.99	772022.68	N 32	6 34.06 W 103 35 17.81	152.23	178.23
	12785.00	24.27	20.09	12755.02	-135.14	-134.56	90.59	4.53	404379.13	772030.23	N 32	6 34.29 W 103 35 17.72	146.05	162.21
	12817.00	28.36	20.57	12783.69	-121.87	-121.26	95.52	12.80	404392.43	772035.16	N 32	6 34.42 W 103 35 17.67	141.77	154.37
	12848.00	31.94	20.58	12810.50	-107.33	-106.69	100.99	11.55	404407.00	772040.64	N 32	6 34.57 W 103 35 17.60	136.57	146.91
	12879.00	34.00	19.34	12836.50	-91.51	-90.83	106.74	6.99	404422.86	772046.39	N 32	6 34.72 W 103 35 17.53	130.40	140.16
	12910.00	37.91	19.34	12861.59	-74.38	-73.66	112.77	12.61	404440.03	772052.41	N 32	6 34.89 W 103 35 17.46	123.15	134.70
	12941.00	41.52	18.44	12885.43	-55.98	-54.92	118.17	11.79	404458.77	772058.92	N 32	6 35.08 W 103 35 17.39	114.72	131.74
	12973.00	45.01	16.44	12908.73	-34.80	-34.00	125.73	11.72	404479.69	772065.38	N 32	6 35.29 W 103 35 17.31	105.13	130.25
	13004.00	48.36	13.24	12930.00	-13.04	-12.20	131.49	13.16	404501.49	772071.14	N 32	6 35.50 W 103 35 17.24	95.30	132.06
	13035.00	52.18	10.62	12949.81	10.25	11.12	136.40	13.93	404524.81	772076.05	N 32	6 35.73 W 103 35 17.18	85.34	136.86
	13066.00	56.56	9.36	12967.87	35.03	35.93	140.77	14.51	404549.62	772080.41	N 32	6 35.98 W 103 35 17.13	75.68	145.28
	13097.00	61.42	8.31	12983.83	61.25	62.18	144.84	15.94	404575.86	772084.49	N 32	6 36.24 W 103 35 17.08	66.77	157.62
	13137.00	66.37	5.08	13001.43	96.88	97.84	149.00	14.34	404611.52	772088.65	N 32	6 36.59 W 103 35 17.03	56.71	178.25
	13157.00	69.19	2.87	13009.00	115.34	116.30	150.28	17.42	404629.99	772089.93	N 32	6 36.77 W 103 35 17.01	52.26	190.03
	13294.00	82.73	2.44	13042.16	247.75	248.76	156.41	9.89	404762.44	772096.06	N 32	6 38.08 W 103 35 16.93	32.16	293.85
	13389.00	87.58	3.40	13049.35	342.28	343.32	161.24	6.24	404857.02	772100.88	N 32	6 38.92 W 103 35 16.86	25.16	379.30
	13483.00	87.56	1.05	13052.52	430.13	431.19	164.89	2.72	404950.86	772104.52	N 32	6 39.94 W 103 35 16.81	20.56	467.25
	13577.00	87.80	0.91	13056.32	530.02	531.10	166.49	0.30	405044.77	772106.14	N 32	6 40.87 W 103 35 16.79	17.41	556.58
	13671.00	87.54	358.26	13060.14	623.94	625.01	165.81	2.83	405138.68	772105.46	N 32	6 41.80 W 103 35 16.79	14.86	646.63
	13766.00	87.64	359.73	13064.14	718.84	719.91	164.15	1.55	405233.57	772103.79	N 32	6 42.74 W 103 35 16.80	12.84	738.38
	13860.00	87.74	358.84	13067.93	812.77	813.82	162.81	0.95	405327.49	772102.62	N 32	6 43.67 W 103 35 16.81	11.32	829.98
	13954.00	89.61	0.34	13070.10	906.73	907.79	162.30	2.55	405421.45	772101.95	N 32	6 44.60 W 103 35 16.81	10.14	922.18
	14048.00	88.79	0.25	13071.41	1000.72	1001.78	162.79	0.88	405515.44	772102.43	N 32	6 45.53 W 103 35 16.79	9.23	1014.92
	14142.00	88.86	0.19	13073.34	1094.68	1095.75	163.97	1.00	405609.40	772103.61	N 32	6 46.46 W 103 35 16.77	8.51	1107.95
	14237.00	88.78	1.15	13075.30	1189.64	1190.72	165.08	1.10	405704.37	772104.72	N 32	6 47.40 W 103 35 16.75	7.89	1202.11
	14331.00	89.10	359.98	13081.22	1283.62	1284.71	165.36	1.43	405798.36	772105.97	N 32	6 48.33 W 103 35 16.74	7.33	1295.29
	14425.00	90.82	0.61	13075.46	1377.62	1378.71	165.67	1.02	405892.35	772105.31	N 32	6 49.26 W 103 35 16.73	6.85	1386.63
	14519.00	88.58	1.81	13075.95	1471.58	1472.68	167.65	2.70	405986.32	772107.30	N 32	6 50.19 W 103 35 16.70	6.49	1482.19
	14613.00	88.78	1.80	13078.12	1565.49	1566.61	170.61	0.21	406080.25	772110.26	N 32	6 51.12 W 103 35 16.66	6.22	1575.87
	14708.00	88.87	0.75	13080.07	1660.43	1661.56	172.73	1.11	406175.20	772112.37	N 32	6 52.06 W 103 35 16.62	5.93	1670.52
	14803.00	88.07	359.50	13082.60	1755.39	1756.53	172.93	1.56	406270.16	772112.58	N 32	6 53.00 W 103 35 16.61	5.62	1765.02

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure Azimuth (°)	Closure (ft)
	20401.00	92.10	359.59	13114.99	7349.79	7350.75	126.04	1.50	411864.20	772065.68	N 32 7 48.36 W	103 35 16.71	0.98	7351.83
	20495.00	90.97	0.78	13112.47	7443.75	7444.71	126.34	1.75	411958.16	772065.99	N 32 7 49.29 W	103 35 16.70	0.97	7445.78
	20589.00	90.26	0.69	13111.47	7537.73	7538.69	127.55	0.76	412052.14	772067.19	N 32 7 50.22 W	103 35 16.68	0.97	7539.77
	20778.00	90.74	0.26	13109.82	7726.70	7727.68	129.11	0.34	412241.12	772068.76	N 32 7 52.09 W	103 35 16.64	0.96	7728.76
	20873.00	90.89	0.20	13108.47	7821.68	7822.67	129.49	0.17	412336.11	772069.14	N 32 7 53.03 W	103 35 16.63	0.95	7823.74
	20967.00	92.12	1.69	13106.00	7915.62	7916.62	131.04	2.05	412430.06	772070.69	N 32 7 53.96 W	103 35 16.61	0.95	7917.70
	21062.00	94.43	1.55	13100.57	8010.40	8011.42	133.73	2.44	412524.85	772073.37	N 32 7 54.89 W	103 35 16.57	0.96	8012.54
	21158.00	95.95	0.96	13091.89	8105.97	8107.00	135.82	1.70	412620.43	772075.47	N 32 7 55.84 W	103 35 16.54	0.96	8108.14
	21253.00	93.30	356.54	13084.22	8200.61	8201.64	133.75	5.41	412715.06	772073.39	N 32 7 56.78 W	103 35 16.55	0.93	8202.73
	21348.00	89.51	355.01	13081.89	8295.35	8296.33	126.75	4.30	412809.75	772066.40	N 32 7 57.71 W	103 35 16.63	0.88	8297.30
	21442.00	90.58	359.66	13081.82	8389.25	8390.20	122.38	5.08	412903.62	772062.03	N 32 7 58.64 W	103 35 16.67	0.84	8391.09
	21536.00	89.32	0.50	13081.90	8483.24	8484.20	122.51	1.61	412997.62	772062.16	N 32 7 59.57 W	103 35 16.66	0.83	8485.08
	21631.00	89.50	1.98	13082.88	8578.20	8579.17	124.57	1.57	413092.58	772064.22	N 32 8 0.51 W	103 35 16.63	0.83	8590.07
	21725.00	90.19	5.51	13083.13	8671.94	8672.95	130.71	3.83	413186.36	772070.35	N 32 8 1.44 W	103 35 16.55	0.86	8673.94
	21820.00	90.99	3.97	13082.16	8766.55	8767.62	138.56	1.83	413281.03	772078.20	N 32 8 2.38 W	103 35 16.45	0.91	8768.71
	21915.00	92.26	1.65	13079.46	8861.36	8862.46	143.21	2.78	413375.86	772082.86	N 32 8 3.31 W	103 35 16.39	0.93	8863.61
	22009.00	90.70	356.73	13077.03	8955.29	8956.38	141.88	5.49	413469.79	772081.53	N 32 8 4.24 W	103 35 16.40	0.91	8957.51
	22104.00	90.55	350.01	13075.99	9049.67	9050.69	130.92	7.08	413564.09	772070.57	N 32 8 5.18 W	103 35 16.52	0.83	9051.64
	22200.00	90.69	353.96	13074.96	9144.79	9145.73	117.54	4.12	413659.12	772057.19	N 32 8 6.12 W	103 35 16.66	0.74	9146.48
	22294.00	91.40	357.74	13073.24	9238.55	9239.45	110.74	4.09	413752.84	772050.39	N 32 8 7.05 W	103 35 16.74	0.69	9240.11
	22388.00	91.31	1.98	13071.02	9332.50	9333.40	110.51	4.51	413846.79	772050.16	N 32 8 7.98 W	103 35 16.73	0.68	9334.05
	22483.00	90.47	3.18	13069.54	9427.36	9428.29	114.79	1.54	413941.68	772054.43	N 32 8 8.92 W	103 35 16.67	0.70	9428.99
	22578.00	90.72	3.61	13069.55	9522.15	9523.12	120.41	0.52	414036.50	772060.06	N 32 8 9.85 W	103 35 16.60	0.72	9523.88
	22674.00	90.64	359.08	13067.41	9616.08	9619.06	122.66	4.72	414132.44	772062.31	N 32 8 10.80 W	103 35 16.57	0.73	9619.84
	22769.00	91.02	356.07	13066.04	9713.00	9713.95	118.65	3.19	414227.33	772058.29	N 32 8 11.74 W	103 35 16.61	0.70	9714.68
	22863.00	89.80	355.29	13065.37	9806.77	9807.68	111.56	1.54	414321.06	772051.21	N 32 8 12.67 W	103 35 16.68	0.65	9808.31
	22958.00	90.49	356.59	13065.13	9901.57	9902.44	104.84	1.55	414415.81	772044.49	N 32 8 13.61 W	103 35 16.75	0.61	9902.99
	23053.00	90.59	356.11	13064.23	9996.41	9997.24	98.79	0.52	414510.61	772038.44	N 32 8 14.55 W	103 35 16.81	0.57	9997.73
Final Survey TD, PTB [100' FNL, 702' FEL]	23097.00	90.00	356.11	13064.00	10040.32	10041.14	95.81	1.34	414554.51	772035.45	N 32 8 14.98 W	103 35 16.85	0.55	10041.60
	23127.00	90.00	356.11	13064.00	10070.27	10071.07	93.77	0.01	414584.44	772033.42	N 32 8 15.28 W	103 35 16.87	0.53	10071.51

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 \*\*\* 3-D 95.000% Confidence 2.7955 sigma  
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	22.000	1/98.425	17.500	13.375	NAL_MWD_IFR1+MS-Depth Only	Vaca Draw 20-17 Federal #61H / Final Surveys - Cimarex Vaca Draw 20-17 Federal #61H MWD Vaca Draw 20-17 Federal #61H /
	1	22.000	22.000	Act Stns	17.500	13.375	NAL_MWD_IFR1+MS-Depth Only	Final Surveys - Cimarex Vaca Draw 20-17 Federal #61H MWD Vaca Draw 20-17 Federal #61H /
	1	22.000	140.000	Act Stns	17.500	13.375	NAL_MWD_IFR1+MS	Final Surveys - Cimarex Vaca Vaca Draw 20-17 Federal #61H /
	1	140.000	1055.000	Act Stns	14.750	10.750	NAL_MWD_IFR1+MS	Final Surveys - Cimarex Vaca Vaca Draw 20-17 Federal #61H /
	1	1055.000	13216.000	Act Stns	9.875	7.625	NAL_MWD_IFR1+MS	Final Surveys - Cimarex Vaca Vaca Draw 20-17 Federal #61H /
	1	13216.000	23127.000	Act Stns	6.750	5.000	NAL_MWD_IFR1+MS	Final Surveys - Cimarex Vaca Vaca Draw 20-17 Federal #61H /

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

## Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

## First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

## Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**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.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input 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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<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 recompleat 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 recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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

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

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

## Additional Information

### Location of Well

0. SHL: SESE / 390 FSL / 860 FEL / TWSP: 25S / RANGE: 33E / SECTION: 20 / LAT: 32.109732 / LONG: -103.588417 ( TVD: 0 feet, MD: 0 feet )

PPP: SESE / 332 FSL / 1870 FEL / TWSP: 25S / RANGE: 33E / SECTION: 20 / LAT: 32.109803 / LONG: -103.587192 ( TVD: 10477 feet, MD: 10500 feet )

BHL: NENE / 100 FNL / 698 FEL / TWSP: 25S / RANGE: 35E / SECTION: 17 / LAT: 32.137508 / LONG: -103.640403 ( TVD: 10800 feet, MD: 20745 feet )

CONFIDENTIAL

Submit to Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>				<b>Form C-105</b> Revised April 3, 2017												
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>																		
4. Reason for filing:  <input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						1. WELL API NO. <b>30-025-47961</b>  2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN  3. State Oil & Gas Lease No.												
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER						5. Lease Name or Unit Agreement Name <b>Vaca Draw 20-17 Federal</b>  6. Well Number: <b>61H</b>												
8. Name of Operator <b>Cimarex Energy Company</b>						9. OGRID <b>215099</b>												
10. Address of Operator <b>600 N. Marienfeld St., Suite 600</b> <b>Midland, TX 79701</b>						11. Pool name or Wildcat <b>WC-025 G-09 S253309P;UPR Wolfcamp 98180</b>												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
<b>Surface:</b>	<b>P</b>	<b>20</b>	<b>25S</b>	<b>33E</b>		<b>390</b>	<b>South</b>	<b>860</b>	<b>East</b>	<b>Lea</b>								
<b>BH:</b>	<b>A</b>	<b>17</b>	<b>25S</b>	<b>33E</b>		<b>100</b>	<b>North</b>	<b>702</b>	<b>East</b>	<b>Lea</b>								
13. Date Spudded <b>04/10/21</b>	14. Date T.D. Reached <b>06/06/21</b>	15. Date Rig Released <b>06/09/21</b>		16. Date Completed (Ready to Produce) <b>12/16/21</b>		17. Elevations (DF and RKB, RT, GR, etc.) <b>3398</b>												
18. Total Measured Depth of Well <b>23,127</b>			19. Plug Back Measured Depth <b>23,105</b>		20. Was Directional Survey Made? <b>Yes</b>		21. Type Electric and Other Logs Run <b>Gamma Ray</b>											
22. Producing Interval(s), of this completion - Top, Bottom, Name <b>13,294 - 23,080</b>																		
<b>23. CASING RECORD (Report all strings set in well)</b>																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
<b>10-3/4</b>		<b>40.5#</b>		<b>1055</b>		<b>14-3/4</b>		<b>795 sx</b>										
<b>7-5/8</b>		<b>29.7#</b>		<b>13,214</b>		<b>9-7/8</b>		<b>1100 sx</b>										
<b>5-1/2</b>		<b>18#</b>		<b>12,318</b>		<b>6-3/4</b>												
<b>5</b>		<b>18#</b>		<b>23,116</b>		<b>6-3/4</b>		<b>1164 sx</b>										
<b>24. LINER RECORD</b>						<b>25. TUBING RECORD</b>												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET											
26. Perforation record (interval, size, and number)  <b>13,294 - 23,080 1624 holes</b>					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td><b>13,294 - 23,080</b></td> <td><b>22,561,934 gals Slick water</b></td> </tr> <tr> <td></td> <td><b>28,619,038# 100 Mesh sand</b></td> </tr> <tr> <td></td> <td></td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	<b>13,294 - 23,080</b>	<b>22,561,934 gals Slick water</b>		<b>28,619,038# 100 Mesh sand</b>		
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
<b>13,294 - 23,080</b>	<b>22,561,934 gals Slick water</b>																	
	<b>28,619,038# 100 Mesh sand</b>																	
<b>28. PRODUCTION</b>																		
Date First Production <b>12/15/21</b>		Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> ) <b>Flowing</b>				Well Status ( <i>Prod. or Shut-in</i> ) <b>Producing</b>												
Date of Test <b>12/29/2021</b>	Hours Tested <b>24hrs</b>	Choke Size	Prod'n For Test Period	Oil - Bbl <b>736</b>	Gas - MCF <b>4160</b>	Water - Bbl. <b>5906</b>	Gas - Oil Ratio <b>5652</b>											
Flow Tubing Press.	Casing Pressure <b>3394</b>	Calculated 24-Hour Rate	Oil - Bbl. <b>736</b>	Gas - MCF <b>4160</b>	Water - Bbl. <b>5906</b>	Oil Gravity - API - ( <i>Corr.</i> ) <b>46</b>												
29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> ) <b>Sold</b>							30. Test Witnessed By <b>Josh Jones</b>											
31. List Attachments <b>C-105, C-102, C-104, Additional points required, Survey</b>																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:											
34. If an on-site burial was used at the well, report the exact location of the on-site burial:  <div style="display: flex; justify-content: space-between;"> <span>Latitude _____</span> <span>Longitude _____</span> <span>NAD83</span> </div>																		
<i>I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief</i>																		
Signature			Printed Name <b>Kanicia Schlichting</b>			Title <b>Regulatory Analyst</b>			Date <b>03/11/22</b>									
E-mail Address <b>kschlichting@cimarex.com</b>																		

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 935	T. Lamar 4909	T. Ojo Alamo	T. Penn A"
T. Salt 1298	T. Bell Canyon 4937	T. Kirtland	T. Penn. "B"
B. Salt 4714	T. Cherry Canyon 5990	T. Fruitland	T. Penn. "C"
T. Yates	T. Brushy Canyon 7536	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Top Bone Spring 9032	T. Cliff House	T. Leadville
T. Queen	T. Avalon 9312	T. Menefee	T. Madison
T. Grayburg	T. 1st Bone Spring Sand 10,011	T. Point Lookout	T. Elbert
T. San Andres	T. 2nd Bone Spring Carb 10,223	T. Mancos	T. McCracken
T. Glorieta	T. 2nd Bone Spring Sand 10,583	T. Gallup	T. Ignacio Otzte
T. Paddock	T. 3rd Bone Spring Carb 11,071	Base Greenhorn	T. Granite
T. Blinebry	T. 3rd Bone Spring Sand 11,722	T. Dakota	
T. Tubb	T. Wolfcamp 12,225	T. Morrison	
T. Drinkard	T.	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District II**

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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**

ACKNOWLEDGMENTS

Action 100686

**ACKNOWLEDGMENTS**

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 100686
	Action Type: [C-104] Completion Packet (C-104C)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS

Action 100686

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 100686
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
Ilowe	COA: File 3160-4 Completion Report within 10 days to NMOCD after BLM approval	4/26/2022

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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 30-025-46122		2 Pool Code 97994		3 Pool Name WC-025 G06 S253329D: Upr Bone Spring	
4 Property Code 319775		5 Property Name VACA DRAW 20-17 FEDERAL		6 Well Number 73H	
7 OGRID No. 215099		8 Operator Name CIMAREX ENERGY CO.		9 Elevation 3395.4'	

### **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	20	25S	33E		390	SOUTH	330	EAST	LEA

## "Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 325	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

● = SURFACE HOLE LOCATION/  
 LANDING POINT/FIRST TAKE POINT  
 ○ = BOTTOM HOLE LOCATION/  
 LAST TAKE POINT  
 ▲ = SECTION CORNER LOCATED

2000' 1000' 0 1000' 2000'  
 SCALE  
 DRAWN BY: C.D. 09-10-18

**SECTION 17**  
**SECTION 20**


NAD 83 (SH/LP/FTP)  
 LATITUDE = 32°06'35.62" (32.109895°)  
 LONGITUDE = 103°35'12.61" (103.586835°)  
 NAD 27 (SH/LP/FTP)  
 LATITUDE = 32°06'35.17" (32.109770°)  
 LONGITUDE = 103°35'10.91" (103.586363°)  
 STATE PLANE NAD 83 (N.M. EAST)  
 N: 404516.36' E: 772469.36'  
 STATE PLANE NAD 27 (N.M. EAST)  
 N: 404458.39' E: 731283.37'

BHL  
 SHL/LP/FTP

330° 360°

N89°52'21"E 2646.52' (Meas.)  
 N89°52'03"E 2643.50' (Meas.)  
 N89°53'00"W 2646.09' (Meas.)  
 S89°51'18"W 2643.03' (Meas.)  
 S89°49'36"W 2644.44' (Meas.)  
 S89°56'49"W 2644.60' (Meas.)  
 N00°08'59"W 2641.66' (Meas.)  
 N00°07'35"W 2639.03' (Meas.)  
 N00°08'25"W 2640.12' (Meas.)  
 N00°06'50"W 2640.63' (Meas.)  
 S00°07'58"E 2641.34' (Meas.)  
 S00°07'26"E 2639.27' (Meas.)  
 S00°07'18"E 2641.86' (Meas.)  
 S00°07'50"E 2640.54' (Meas.)

**"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 the right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or a written pooling or unitization agreement or a compulsory pooling order heretofore entered by the division.  
 Signature: \_\_\_\_\_ Date: 2-1-20  
 TERRY STATHAM  
 Printed Name  
 tstatham@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 27, 2018  
 Date of Survey  
 Signature and Seal of Professional Surveyor:  


**NOTE:**  
 • Distances referenced on plat to section lines are perpendicular.  
 • Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

Certificate Number:

District I  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
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

*APP Number 30-025-46160	*Well Name WC-025 G-06 S253329D; UPR BONE SPRING
*Property Code 319775	*Property Name VACA DRAW 20-17 FEDERAL
*DGBID No. 215099	*Operator Name CIMAREX ENERGY CO.
*Well Number 71H	*Elevation 3395.8'

\* Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot 10n	Feet from the 390	North/South line SOUTH	Feet from the 370	East/West line EAST	County LEA
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\* Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot 10n	Feet from the 100	North/South line NORTH	Feet from the 977	East/West line EAST	County LEA
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.						

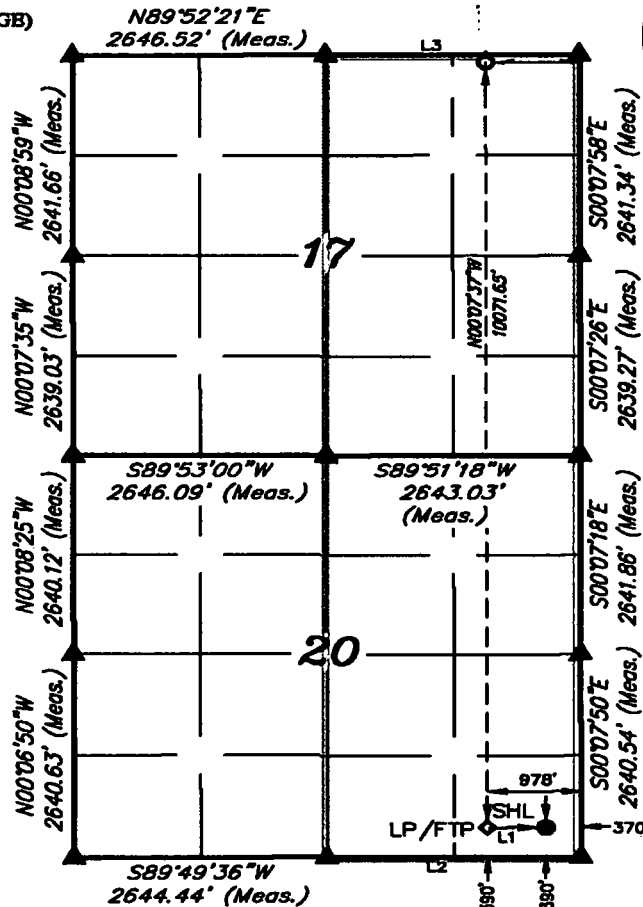
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

- = SURFACE HOLE LOCATION
- ◇ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



SCALE  
REV: 2 06-19-19 S.T.O. (BHL CHANGE)

<b>NAD 83 (SURFACE HOLE LOCATION)</b>	
LATITUDE - 32°06'35.62" (32.109895°)	
LONGITUDE - 103°35'13.07" (103.586964°)	
<b>NAD 83 (SURFACE HOLE LOCATION)</b>	
LATITUDE - 32°06'35.17" (32.109770°)	
LONGITUDE - 103°35'11.37" (103.586492°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404316.16' E: 772435.36'	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404458.38' E: 751243.38'	



**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

\* 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 well 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 leasehold pooling agreement, or a pooling order heretofore filed in the district.

Signature \_\_\_\_\_ Date 1-2020

Printed Name Ferri Stathem

E-mail Address fsthathem@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 27, 2018

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

District I  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
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Revised August 1, 2011  
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FEB 10 2020

☐ AMENDED REPORT

RECEIVED

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-46161	2 Pool Code 97994	3 Pool Name WC-025 G-06 S253329D; UPR BONE SPRING
4 Property Code 319775	5 Property Name VACA DRAW 20-17 FEDERAL	6 Well Number 72H
7 OGRID No. 215099	8 Operator Name CIMAREX ENERGY CO.	9 Elevation 3395.3'

## "Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 350	East/West line EAST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

## "Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 320	East/West line EAST	County LEA
10 Dedicated Acres 640	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 unless stated 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 pooling agreement or a leasehold interest in the order heretofore made by this organization.

Signature Date 2-1-2020

Terri Stathem

E-mail Address Tstathem@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 27, 2018

Date of Survey Signature and Seal of Professional Surveyor:



Certificate Number:

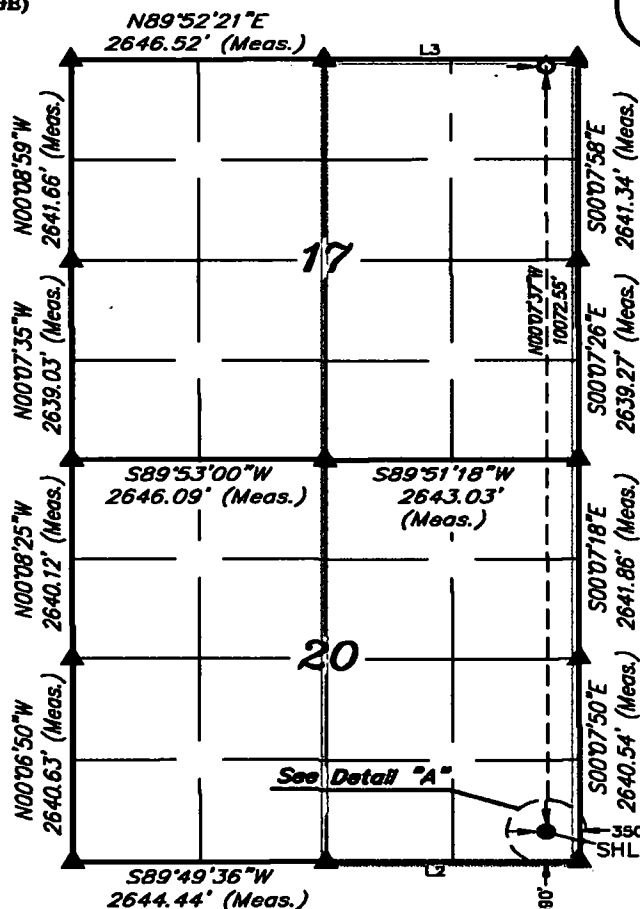
- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/ LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



SCALE

REV: 1 S.T.O. 06-19-19 (BHL CHANGE)

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°06'35.62" (32.109895°)
LONGITUDE = 103°39'12.84" (103.65359°)
NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°06'35.17" (32.109770°)
LONGITUDE = 103°39'11.14" (103.65428°)
STATE PLANE NAD 83 (N.M. EAST)
N: 404518.26' E: 772449.36'
STATE PLANE NAD 83 (N.M. EAST)
N: 404458.49' E: 731263.37'



## NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W105°53'00"

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WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-025 50179</b>	<sup>2</sup> Pool Code <b>98180</b>	<sup>3</sup> Pool Name <b>Wildcat Wolfcamp</b>
<sup>4</sup> Property Code <b>319775</b>	<sup>5</sup> Property Name <b>VACA DRAW 20-17 FEDERAL</b>	<sup>6</sup> Well Number <b>74H</b>
<sup>7</sup> UCRID No. <b>215099</b>	<sup>8</sup> Operator Name <b>CIMAREX ENERGY CO.</b>	<sup>9</sup> Elevation <b>3396.0'</b>

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	25S	33E		330	SOUTH	290	EAST	LEA

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	25S	33E		100	NORTH	745	EAST	LEA
<sup>12</sup> Dedicated Acres <b>640</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

**16**

- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/ LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED

2000'

SCALE  
DRAWN BY: T.A. 08-08-19

**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N89°52'03"E	2643.50'
L2	S89°57'04"W	454.93'

**NAD 83 (SURFACE HOLE LOCATION)**  
LATITUDE = 32°06'35.03" (32.109729°)  
LONGITUDE = 103°35'12.14" (103.586706°)

**NAD 27 (SURFACE HOLE LOCATION)**  
LATITUDE = 32°06'34.58" (32.109605°)  
LONGITUDE = 103°35'10.44" (103.586234°)

**STATE PLANE NAD 83 (N.M. EAST)**  
N: 404456.58' E: 772509.85'  
**STATE PLANE NAD 27 (N.M. EAST)**  
N: 404398.81' E: 731323.66'

**NAD 83 (LP/FTP)**  
LATITUDE = 32°06'35.03" (32.109732°)  
LONGITUDE = 103°35'17.43" (103.588175°)

**NAD 27 (LP/FTP)**  
LATITUDE = 32°06'34.59" (32.109607°)  
LONGITUDE = 103°35'15.73" (103.587703°)

**STATE PLANE NAD 83 (N.M. EAST)**  
N: 404454.29' E: 772055.01'  
**STATE PLANE NAD 27 (N.M. EAST)**  
N: 404396.52' E: 730868.83'

**NAD 83 (BHL/LTP)**  
LATITUDE = 32°08'15.28" (32.137578°)  
LONGITUDE = 103°35'17.37" (103.588158°)

**NAD 27 (BHL/LTP)**  
LATITUDE = 32°08'14.83" (32.137453°)  
LONGITUDE = 103°35'15.66" (103.587685°)

**STATE PLANE NAD 83 (N.M. EAST)**  
N: 414584.32' E: 771990.23'  
**STATE PLANE NAD 27 (N.M. EAST)**  
N: 414526.29' E: 730804.52'

**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* 3/15/21  
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 27, 2018  
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

Released to Imaging: 11/23/2022 3:05:32 PM

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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

<sup>1</sup> API Number <b>30-025 50180</b>	<sup>2</sup> Pool Code <b>98180</b>	<sup>3</sup> Pool Name <b>Wildcat Wolfcamp</b>
<sup>4</sup> Property Code <b>319775</b>	<sup>5</sup> Property Name <b>VACA DRAW 20-17 FEDERAL</b>	<sup>6</sup> Well Number <b>75H</b>
<sup>7</sup> GRID No. <b>215099</b>	<sup>8</sup> Operator Name <b>CIMAREX ENERGY CO.</b>	<sup>9</sup> Elevation <b>3395.6'</b>

<sup>10</sup> Surface Location

UL or lot no. <b>P</b>	Section <b>20</b>	Township <b>25S</b>	Range <b>33E</b>	Lot Idn	Feet from the <b>330</b>	North/South line <b>SOUTH</b>	Feet from the <b>270</b>	East/West line <b>EAST</b>	County <b>LEA</b>
---------------------------	----------------------	------------------------	---------------------	---------	-----------------------------	----------------------------------	-----------------------------	-------------------------------	----------------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. <b>A</b>	Section <b>17</b>	Township <b>25S</b>	Range <b>33E</b>	Lot Idn	Feet from the <b>100</b>	North/South line <b>NORTH</b>	Feet from the <b>330</b>	East/West line <b>EAST</b>	County <b>LEA</b>
<sup>12</sup> Dedicated Acres <b>640</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

**16**

- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/ LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED

SCALE  
DRAWN BY: T.A. 08-08-19

Detail "A"  
No Scale

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'35.03" (32.109729°)	LONGITUDE = 103°35'11.91" (103.586641°)
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'34.58" (32.109605°)	LONGITUDE = 103°35'10.21" (103.586170°)
STATE PLANE NAD 83 (N.M. EAST)	
N: 404456.68' E: 772529.85'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 404398.91' E: 731343.66'	

NAD 83 (LP/FTP)	
LATITUDE = 32°06'35.03" (32.109730°)	LONGITUDE = 103°35'12.61" (103.586835°)
NAD 27 (LP/FTP)	
LATITUDE = 32°06'34.58" (32.109605°)	LONGITUDE = 103°35'10.91" (103.586363°)
STATE PLANE NAD 83 (N.M. EAST)	
N: 404456.41' E: 772469.94'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 404398.63' E: 731283.75'	

NAD 83 (BHL/LTP)	
LATITUDE = 32°08'15.28" (32.137577°)	LONGITUDE = 103°35'12.54" (103.586818°)
NAD 27 (BHL/LTP)	
LATITUDE = 32°08'14.83" (32.137453°)	LONGITUDE = 103°35'10.84" (103.586344°)
STATE PLANE NAD 83 (N.M. EAST)	
N: 414587.01' E: 772405.15'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 414528.99' E: 731219.44'	

**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

**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* 3/15/21  
Signature Date

**Amithy Crawford**  
Printed Name

[acrawford@cimarex.com](mailto: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 27, 2018  
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	S89°58'42"W	59.93'

**17**

**20**

See Detail "A"

**16**

● = SURFACE HOLE LOCATION

◆ = LANDING POINT/FIRST TAKE POINT

○ = BOTTOM HOLE LOCATION/ LAST TAKE POINT

▲ = SECTION CORNER LOCATED

SCALE  
DRAWN BY: T.A. 08-08-19

Detail "A"  
No Scale

NAD 83 (SURFACE HOLE LOCATION)  
LATITUDE = 32°06'35.03" (32.109729°)  
LONGITUDE = 103°35'11.91" (103.586641°)

NAD 27 (SURFACE HOLE LOCATION)  
LATITUDE = 32°06'34.58" (32.109605°)  
LONGITUDE = 103°35'10.21" (103.586170°)

STATE PLANE NAD 83 (N.M. EAST)  
N: 404456.68' E: 772529.85'

STATE PLANE NAD 27 (N.M. EAST)  
N: 404398.91' E: 731343.66'

NAD 83 (LP/FTP)  
LATITUDE = 32°06'35.03" (32.109730°)  
LONGITUDE = 103°35'12.61" (103.586835°)

NAD 27 (LP/FTP)  
LATITUDE = 32°06'34.58" (32.109605°)  
LONGITUDE = 103°35'10.91" (103.586363°)

STATE PLANE NAD 83 (N.M. EAST)  
N: 404456.41' E: 772469.94'

STATE PLANE NAD 27 (N.M. EAST)  
N: 404398.63' E: 731283.75'

NAD 83 (BHL/LTP)  
LATITUDE = 32°08'15.28" (32.137577°)  
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NAD 27 (BHL/LTP)  
LATITUDE = 32°08'14.83" (32.137453°)  
LONGITUDE = 103°35'10.84" (103.586344°)

STATE PLANE NAD 83 (N.M. EAST)  
N: 414587.01' E: 772405.15'

STATE PLANE NAD 27 (N.M. EAST)  
N: 414528.99' E: 731219.44'

**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

**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* 3/15/21  
Signature Date

**Amithy Crawford**  
Printed Name

[acrawford@cimarex.com](mailto: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 27, 2018  
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

Released to Imaging: 11/23/2022 3:05:32 PM

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page

Run Date/Time: 3/2/2021 13:14 PM

Page 1 Of 3

01 02-25-1920;041STAT0437;30USC181ETSEQ  
Case Type 311211: O&G LSE SIMO PUBLIC LAND  
Commodity 459: OIL & GAS  
Case Disposition: AUTHORIZED

Total Acres:  
2,560.000

Serial Number  
NMNM 026394

Case File Juris:

Serial Number: NMNM-- - 026394						
Name & Address				Int Rel	% Interest	
OXY USA INC	5 GREENWAY PLZ STE 110	HOUSTON	TX	770460521	OPERATING RIGHTS	0.000000000
CIMAREX ENERGY CO	600 N MARIENFELD ST STE 600	MIDLAND	TX	797014405	OPERATING RIGHTS	0.000000000
EOG RESOURCES INC	5509 CHAMPIONS DR	MIDLAND	TX	797062843	OPERATING RIGHTS	0.000000000
PXP PRODUCING CO LLC	717 TEXAS ST STE 2100	HOUSTON	TX	770022753	OPERATING RIGHTS	0.000000000
OXY USA INC	PO BOX 27570	HOUSTON	TX	772277570	OPERATING RIGHTS	0.000000000
EOG RESOURCES INC	333 CLAY ST #4200	HOUSTON	TX	77002	LESSEE	100.000000000
MAGNUM HUNTER PRODUCTION INC	202 S CHEYENNE AVE STE 1000	TULSA	OK	741033001	OPERATING RIGHTS	0.000000000

										Serial Number: NMNM-- - 026394	
Mer	Twp	Rng	Sec	S	Type	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0250S	0330E	017		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	020		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	021		ALIQ			ALL;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	028		ALIQ			E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0330E	029		ALIQ			E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

## Relinquished/Withdrawn Lands

Serial Number: NMNM-- - 026394

Serial Number: NMNM-- - 026394				
Act Date	Act Code	Action Txt	Action Remarks	Pending Off
07/27/1975	387	CASE ESTABLISHED	SPAR55;	
07/28/1975	888	DRAWING HELD		
09/24/1975	237	LEASE ISSUED		
10/01/1975	496	FUND CODE	05;145003	
10/01/1975	530	RLTY RATE - 12 1/2%		
10/01/1975	868	EFFECTIVE DATE		
09/13/1979	510	KMA CLASSIFIED		
10/26/1979	315	RENTAL RATE DET/ADJ	\$2.00;	
03/21/1983	932	TRF OPER RGTS FILED		

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Date/Time: 3/2/2021 13:14 PM

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Serial Number: NMNM-- - 026394

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
04/26/1983	933	TRF OPER RGTS APPROVED	EFF 04/01/83;	
09/04/1984	111	RENTAL RECEIVED	\$0;84-85	
07/08/1985	643	PRODUCTION DETERMINATION	/1/	
07/08/1985	650	HELD BY PROD - ACTUAL	/1/	
07/08/1985	658	MEMO OF 1ST PROD-ACTUAL	/1/	
08/09/1985	111	RENTAL RECEIVED	\$0;85-86	
09/20/1985	963	CASE MICROFILMED/SCANNED	CNUM 553,652 AC	
09/21/1987	817	MERGER RECOGNIZED	HNG OIL/ENRON OG	
09/21/1987	817	MERGER RECOGNIZED	BELCO DEV/ENRON OG	
09/21/1987	817	MERGER RECOGNIZED	BELNORTH PETRO/ENRON	
09/21/1987	817	MERGER RECOGNIZED	BELNORTH ENE/ENRON OG	
05/24/1988	974	AUTOMATED RECORD VERIF	MCS/RGO	
08/23/1988	932	TRF OPER RGTS FILED		
09/28/1988	933	TRF OPER RGTS APPROVED	EFF 09/01/88;	
09/28/1988	974	AUTOMATED RECORD VERIF	RAO	
03/09/1993	522	CA TERMINATED	NM061P35-85C525 MO	
08/26/1993	246	LEASE COMMITTED TO CA	NMNM90992;	
06/22/1994	909	BOND ACCEPTED	EFF 06/10/94;NM2308	
09/01/1995	246	LEASE COMMITTED TO CA	NMNM94477;	
09/01/1995	660	MEMO OF 1ST PROD-ALLOC	/2/NMNM94477;	
11/08/1995	643	PRODUCTION DETERMINATION	/2/	
01/26/1998	932	TRF OPER RGTS FILED	UNION OIL/MATADOR	
05/20/1998	933	TRF OPER RGTS APPROVED	EFF 06/01/98;	
05/20/1998	974	AUTOMATED RECORD VERIF	MV/MV	
08/30/1999	817	MERGER RECOGNIZED	EOG RES/ENRON O&G CO	
08/30/1999	940	NAME CHANGE RECOGNIZED	ENRON O&G CO/EOG RES	
12/27/1999	932	TRF OPER RGTS FILED	CNG PROD/POGO PROD	
03/17/2000	933	TRF OPER RGTS APPROVED	EFF 01/01/00;	
03/17/2000	974	AUTOMATED RECORD VERIF	LR	
09/02/2003	817	MERGER RECOGNIZED	MATADOR/TOM BROWN INC	
10/15/2004	932	TRF OPER RGTS FILED	TOM BROWN/MAGNUM HU;1	
12/08/2004	933	TRF OPER RGTS APPROVED	EFF 11/01/04;	
12/08/2004	974	AUTOMATED RECORD VERIF	ANN	
01/22/2007	899	TRF OF ORR FILED	1	
02/12/2008	817	MERGER RECOGNIZED	POGO PROD/PXP ACQ;	
02/12/2008	940	NAME CHANGE RECOGNIZED	PXP ACQ/POGO LLC;	
03/08/2008	974	AUTOMATED RECORD VERIF	BTM	
05/01/2008	140	ASGN FILED	POGO PRODUC/OXY USA;1	
05/01/2008	932	TRF OPER RGTS FILED	POGO PRODUC/OXY USA;1	

**NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM**

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Date/Time: 3/2/2021 13:14 PM

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Serial Number: NMNM-- - 026394

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
06/13/2008	269	ASGN DENIED	POGO PRODUC/OXY USA	
06/13/2008	933	TRF OPER RGTS APPROVED	EFF 06/01/08;	
06/13/2008	974	AUTOMATED RECORD VERIF	LR	
01/08/2009	932	TRF OPER RGTS FILED	POGO PRODUC/OXY USA;1	
03/02/2009	933	TRF OPER RGTS APPROVED	EFF 02/01/09;	
03/02/2009	974	AUTOMATED RECORD VERIF	ANN	
01/31/2011	522	CA TERMINATED	CA NM90992	
06/19/2012	940	NAME CHANGE RECOGNIZED	POGO/PXP	
12/15/2015	066	BANKRUPTCY FILED	MAGNUM HUNTER PROD	
08/30/2016	932	TRF OPER RGTS FILED	EOG RESOU/CIMAREX E;1	
02/06/2017	933	TRF OPER RGTS APPROVED	EFF 09/01/16;	
02/06/2017	974	AUTOMATED RECORD VERIF	DME	
06/05/2017	899	TRF OF ORR FILED	2	
06/05/2017	899	TRF OF ORR FILED	1	
04/09/2018	899	TRF OF ORR FILED	1	
04/09/2018	899	TRF OF ORR FILED	2	
12/05/2018	246	LEASE COMMITTED TO CA	NMNM139731;	
04/27/2019	658	MEMO OF 1ST PROD-ACTUAL	/2/NMNM139731;#704H	
08/09/2019	643	PRODUCTION DETERMINATION	/2/	

Line Number	Remark Text	Serial Number: NMNM-- - 026394
0002	BONDED OPERATOR - PER AFMSS	
0003	03/17/2000 - EOG RESOURCES INC - NM2308 - N/W;	
0004	BONDED TRANSFEREE - PER ABSS	
0005	03/17/2000 - POGO PRODUCING CO - WY0405 - N/W;	
0006	OPERATOR BONDED - 12/08/2004	
0007	EOG RESOURCES INC - NM2308 - N/W;	
0008	06/13/2008 - BONDED TRANSFEREE - PER ABSS	
0009	OXY USA INC - ES0136 - N/W;	
0010	LESSEE BONDED - 03/02/2009	
0011	EOG RESOURCES INC - NM2308 - N/W;	
0012	02/06/2017 CIMAREX ENERGY CO BONDED NMB001188 SW	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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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: \_\_\_\_\_ OGRID Number: \_\_\_\_\_

Well Name: \_\_\_\_\_ API: \_\_\_\_\_

Pool: \_\_\_\_\_ Pool Code: \_\_\_\_\_

**API cont.:** 46114, 46115, 46116, 46117, 46118, 50143, 50178, 46160, 46161, 46122, 50179, 50180, 46119, 46120, 46121, 47961

### 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 (PRORATION 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

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☐ Offset operators or lease holders  
 B. ☐ Royalty, overriding royalty owners, revenue owners  
 C. ☐ Application requires published notice  
 D. ☐ Notification and/or concurrent approval by SLO  
 E. ☒ Notification and/or concurrent approval by BLM  
 F. ☐ Surface owner  
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,  
 H. ☐ No notice required

#### FOR OCD ONLY

- ☐ Notice Complete  
☐ Application Content Complete

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.

Brittany Gordon

Print or Type Name

B. Gordon

Signature

8/8/2022

Date

432-528-3854

Phone Number

brittany.gordon@coterra.com

e-mail Address

**From:** [Brittany Gordon](#)  
**To:** [McClure, Dean, EMNRD](#)  
**Subject:** [EXTERNAL] Vaca Draw 20-17 Commingle Application  
**Date:** Tuesday, October 25, 2022 8:14:25 AM  
**Attachments:** [EXTERNAL Re Vaca Draw 20-17 Commingle.msg](#)

---

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Reference: 5THWB-220919-C-107B

Mr. McClure,

I wanted to follow up regarding the Vaca Draw 20-17 Commingle Application. I've attached an email receipt from the interest owner that the certified mail was undeliverable to his address (USPS Certified Mail: 9414 8118 9876 5815 5669 12 for James D Preslar). Mr. Preslar verified receipt of the commingle application 9/27/2022.

Thank you,



**Brittany Gordon** | Regulatory Analyst  
T: 432.620.1960 | [Brittany.Gordon@coterra.com](mailto:Brittany.Gordon@coterra.com) | [www.coterra.com](http://www.coterra.com)  
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

**From:** [McClure, Dean, EMNRD](#) on behalf of [Engineer, OCD, EMNRD](#)  
**To:** [Brittany Gordon](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Kautz, Paul, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [lisa@rwbyram.com](mailto:lisa@rwbyram.com); [Paradis, Kyle O](#); [Walls, Christopher](#)  
**Subject:** Approved Administrative Order PLC-862  
**Date:** Wednesday, November 23, 2022 2:17:43 PM  
**Attachments:** [PLC862 Order.pdf](#)

NMOCD has issued Administrative Order PLC-862 which authorizes Cimarex Energy Company (215099) to surface commingle or off-lease measure, as applicable, the following wells:

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-44150	Vaca Draw 20 17 Federal #5H	W/2 W/2	17-25S-33E	97994
		W/2 W/2	20-25S-33E	
30-025-44151	Vaca Draw 20 17 Federal #6H	W/2 W/2	17-25S-33E	97994
		W/2 W/2	20-25S-33E	
30-025-44360	Vaca Draw 20 17 Federal #9H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-44356	Vaca Draw 20 17 Federal #10H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-44357	Vaca Draw 20 17 Federal #11H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-44358	Vaca Draw 20 17 Federal #12H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-46113	Vaca Draw 20 17 Federal #29H	W/2	17-25S-33E	97994
		W/2	20-25S-33E	
30-025-46114	Vaca Draw 20 17 Federal #30H	W/2	17-25S-33E	97994
		W/2	20-25S-33E	
30-025-46115	Vaca Draw 20 17 Federal #31H	W/2	17-25S-33E	97994
		W/2	20-25S-33E	
30-025-46116	Vaca Draw 20 17 Federal #43H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46117	Vaca Draw 20 17 Federal #44H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46118	Vaca Draw 20 17 Federal #45H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46119	Vaca Draw 20 17 Federal #57H	E/2	17-25S-33E	98180
		E/2	20-25S-33E	
30-025-46120	Vaca Draw 20 17 Federal #58H	E/2	17-25S-33E	98180
		E/2	20-25S-33E	
30-025-46121	Vaca Draw 20 17 Federal #59H	E/2	17-25S-33E	98180
		E/2	20-25S-33E	
30-025-47961	Vaca Draw 20 17 Federal #61H	E/2	17-25S-33E	98180
		E/2	20-25S-33E	
30-025-46160	Vaca Draw 20 17 Federal #71H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46161	Vaca Draw 20 17 Federal #72H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46122	Vaca Draw 20 17 Federal #73H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-50178	Vaca Draw 20 17 Federal #47H	E/2 E/2	17-25S-33E	97903
		E/2 E/2	20-25S-33E	
		E/2 E/2	17-25S-33E	

<b>30-025-50180</b>	<b>Vaca Draw 20 17 Federal #75H</b>	<b>E/2 E/2</b>	<b>20-25S-33E</b>	<b>97903</b>
<b>30-025-50179</b>	<b>Vaca Draw 20 17 Federal #74H</b>	<b>E/2 E/2</b>	<b>17-25S-33E</b>	<b>97903</b>
<b>30-025-50143</b>	<b>Vaca Draw 20 17 Federal #46H</b>	<b>E/2 E/2</b>	<b>20-25S-33E</b>	<b>97903</b>
		<b>W/2 E/2</b>	<b>17-25S-33E</b>	
		<b>W/2 E/2</b>	<b>20-25S-33E</b>	<b>97903</b>

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure  
Petroleum Engineer, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211

**From:** [James Preslar](#)  
**To:** [Brittany Gordon](#)  
**Subject:** [EXTERNAL] Re: Vaca Draw 20-17 Commingle  
**Date:** Tuesday, September 27, 2022 10:19:50 AM  
**Attachments:** [0.jpg](#)  
[image001.jpg](#)

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**WARNING:** This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.



Received.

James Preslar  
Crane County Abstract Co.  
304 W. 6th St.  
Crane, TX 79731  
(432) 558-3112

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On Tuesday, September 27, 2022 at 11:12:46 AM CDT, Brittany Gordon <[brittany.gordon@coterra.com](mailto:brittany.gordon@coterra.com)> wrote:

Please see the attached document for review.



**Brittany Gordon** | Regulatory Analyst

T: 432.620.1960 | [Brittany.Gordon@coterra.com](mailto:Brittany.Gordon@coterra.com) | [www.coterra.com](http://www.coterra.com)

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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Coterra Energy Inc.  
600 N. Marienfeld Street  
Suite 600  
Midland, TX 79701

T 432-571-7800  
F 432-571-7832  
coterra.com

Cimarex Energy Co.

September 19<sup>th</sup>, 2022

Attn: Mr. Dean McClure  
1220 S. St. Francis Dr.  
Santa Fe, New Mexico 87505

Subject: Application for Pool Commingling at Common Central Tank Battery  
Lease: Federal Lease NMNM026394 Vaca Draw 20-17 Federal  
Location: Section 17 & 20, T-25S, R-33E, Lea County, New Mexico  
Pool: [97903] WC-025 G-08 S253235G; LWR BONE SPRIN,  
[97994] WC-025 G-06 S253329D; UPR BONE SPRIN,  
and [98180] WC-025 G-09 S253309P; UPR WOLFCAMP

Mr. McClure,

Pursuant to Division Rule 19.15.12.10, Cimarex Energy Co. respectfully requests administrative approval to Pool Commingle at a Common Central Tank Battery.

The Commingling and Allocation Approval (CAA) will not negatively affect the royalty revenue or reduce the total remaining production value.

Each well is metered individually. This action will prevent waste, promote conservation and protect correlative rights. The Vaca Draw 20-17 Federal West battery is located in Unit M, Section 20, Township 25S, Range 33E.

These wells are operated by Cimarex Energy Co. with identical ownership. There is one federal lease involved. Pursuant Division Rule 19.15.12.10 (C)(4)(g), the interest owners that are to be notified are listed and are being sent a copy of this application by certified mail, return receipt.

Also Attached:

- NMOCD Administrative Application Checklist
- NMOCD Form C-107-B (Application for Surface Commingling – Identical Ownership)
- Summary Detail
- Lease plat shows boundaries, State Lease numbers, facility, wellhead and path of production
- Facility Diagram
- NMOCD form C-102 well plats for each well
- Notice letter to interest owners and certified mail return receipt request copy
- BLM Sundry Submittal copy



Coterra Energy Inc.  
600 N. Marienfeld Street  
Suite 600  
Midland, TX 79701

T 432-571-7800  
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coterra.com

We respectfully request authority to add additional wells contained within the lease identified and approved in this application by filing a Subsequent Report Sundry to the Bureau of Land Management for Federal and filing a C103Z and C102 with the NMOCD. Notice to owners shall not be required when amending the application after previously approved for commingling authority.

Pursuant to Statewide Rule 19.15.12.10 (C)(4)(g) we respectfully request the option to include additional production from the pools or leases listed above.

Thank you,

*Brittany Gordon*

Regulatory Analyst

432-620-1960

[brittany.gordon@coterra.com](mailto:brittany.gordon@coterra.com)

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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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: \_\_\_\_\_ OGRID Number: \_\_\_\_\_

Well Name: \_\_\_\_\_ API: \_\_\_\_\_

Pool: \_\_\_\_\_ Pool Code: \_\_\_\_\_

**API cont.:** 46114, 46115, 46116, 46117, 46118, 50143, 50178, 46160, 46161, 46122, 50179, 50180, 46119, 46120, 46121, 47961

### 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 (PRORATION 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

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

A. ☐ Offset operators or lease holders

B. ☐ Royalty, overriding royalty owners, revenue owners

C. ☐ Application requires published notice

D. ☐ Notification and/or concurrent approval by SLO

E. ☒ Notification and/or concurrent approval by BLM

F. ☐ Surface owner

G. ☐ For all of the above, proof of notification or publication is attached, and/or,

H. ☐ No notice required

#### FOR OCD ONLY

☐ Notice Complete

☐ Application  
Content  
Complete

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.

Brittany Gordon

Print or Type Name

8/8/2022

Date

432-528-3854

Phone Number

brittany.gordon@coterra.com

e-mail Address

B. Gordon

Signature

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

**IDENTICAL**

OPERATOR NAME: Cimarex Energy Co.  
OPERATOR ADDRESS: 600 N. Marienfeld Street, Suite 600; Midland, TX 79701  
APPLICATION TYPE:

☒ Pool Commingling ☐ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
[97903] WC-025 G-08 S253235G; LOW BONE SPRIN	0.81/ 1320	0.82/ 1300			
[97994] WC-025 G-06 S253329D; UPR BONE SPRIN	0.78/ 1120				
[98180] WC-025 G-09 S253309P; UPR WOLFCAMP	0.82/ 1330				

- (2) Are any wells producing at top allowables? ☐ Yes ☒ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No.  
(4) Measurement type: ☒ Metering ☐ Other (Specify)  
(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Pool Name and Code.  
(2) Is all production from same source of supply? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No  
(4) Measurement type: ☐ Metering ☐ Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: B. Gordon TITLE: Regulatory Analyst DATE: 9/19/2022

TYPE OR PRINT NAME Brittany Gordon TELEPHONE NO.: 432-528-3854

E-MAIL ADDRESS: brittany.gordon@coterra.com



Coterra Energy Inc.  
600 N. Marienfeld Street  
Suite 600  
Midland, TX 79701

T 432-571-7800  
F 432-571-7832  
coterra.com

WELL NAME & NUMBER	API	LOCATION	LEASE	POOL
VACA DRAW 20-17 FEDERAL 9H	3002544360	M-20-25S-33E	NMNM26394	[97903] WC-025 G-08 S253235G; LWR BONE SPRIN
VACA DRAW 20-17 FEDERAL 10H	3002544356	M-20-25S-33E	NMNM26394	[97903] WC-025 G-08 S253235G; LWR BONE SPRIN
VACA DRAW 20-17 FEDERAL 11H	3002544357	M-20-25S-33E	NMNM26394	[97903] WC-025 G-08 S253235G; LWR BONE SPRIN
VACA DRAW 20-17 FEDERAL 12H	3002544358	M-20-25S-33E	NMNM26394	[97903] WC-025 G-08 S253235G; LWR BONE SPRIN
VACA DRAW 20-17 FEDERAL 5H	3002544150	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 6H	3002544151	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 29H	3002546113	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 30H	3002546114	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 31H	3002546115	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 43H	3002546116	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 44H	3002546117	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 45H	3002546118	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 46H	3002550143	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 47H	3002550178	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 71H	3002546160	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 72H	3002546161	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 73H	3002546122	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 74H	3002550179	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 75H	3002550180	M-20-25S-33E	NMNM26394	[97994] WC-025 G-06 S253329D; UPR BONE SPRIN
VACA DRAW 20-17 FEDERAL 57H	3002546119	M-20-25S-33E	NMNM26394	[98180] WC-025 G-09 S253309P; UPR WOLFCAMP
VACA DRAW 20-17 FEDERAL 58H	3002546120	M-20-25S-33E	NMNM26394	[98180] WC-025 G-09 S253309P; UPR WOLFCAMP
VACA DRAW 20-17 FEDERAL 59H	3002546121	M-20-25S-33E	NMNM26394	[98180] WC-025 G-09 S253309P; UPR WOLFCAMP
VACA DRAW 20-17 FEDERAL 61H	3002547961	M-20-25S-33E	NMNM26394	[98180] WC-025 G-09 S253309P; UPR WOLFCAMP

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.



**Vaca Draw Commingle Permit**  
(07.2022)

The Vaca Draw CTB will be a 23-well facility. The facility will have the following wells producing to it:

- |                           |                           |
|---------------------------|---------------------------|
| • Vaca Draw 20-17 Fed 11H | • Vaca Draw 20-17 Fed 61H |
| • Vaca Draw 20-17 Fed 12H | • Vaca Draw 20-17 Fed 6H  |
| • Vaca Draw 20-17 Fed 29H | • Vaca Draw 20-17 Fed 71H |
| • Vaca Draw 20-17 Fed 30H | • Vaca Draw 20-17 Fed 72H |
| • Vaca Draw 20-17 Fed 31H | • Vaca Draw 20-17 Fed 73H |
| • Vaca Draw 20-17 Fed 43H | • Vaca Draw 20-17 Fed 9H  |
| • Vaca Draw 20-17 Fed 44H | • Vaca Draw 20-17 Fed 10H |
| • Vaca Draw 20-17 Fed 45H | • Vaca Draw 20-17 Fed 74H |
| • Vaca Draw 20-17 Fed 57H | • Vaca Draw 20-17 Fed 75H |
| • Vaca Draw 20-17 Fed 58H | • Vaca Draw 20-17 Fed 47H |
| • Vaca Draw 20-17 Fed 59H | • Vaca Draw 20-17 Fed 46H |
| • Vaca Draw 20-17 Fed 5H  |                           |

### **PRODUCTION ALLOCATION**

Production from each of the referenced wells enters its own individual separator. Each separator has its own Coriolis meter for oil, mag meter for water, and orifice meter for gas.

After separation, each oil stream flows through the commingled heater treater and then to the tanks before being measured by a LACT unit. The LACT unit will serve as the oil FMP.

The Gas from each separator flow through its own allocation orifice meter then flows to the gas FMP.

#### **Allocation Method:**

##### **Oil Production:**

Oil will be allocated daily to the well based upon the daily Coriolis meter volume. The meter is a Micro Motion Coriolis meter. Each well will have a daily factor that is a percentage of the total Coriolis volume for all referenced wells. The factor obtained from the test meter will be used to allocate the oil production volumes sold through the LACT.

##### **Gas Production:**

Gas will be allocated daily to the well based upon the daily allocation gas meter volume. The meter is an orifice meter. Each well will have a daily factor that is a percentage of the total allocation meter volume for all referenced wells. The factor obtained from each allocation meter will be used to allocate the gas sales volumes sold through the gas sales meter. The meters will be calibrated on a regulator basis per API, NMOCD, and BLM specifications.

#### **Additional Application Components:**

The flow of production details is outlined on the enclosed facility diagram.

Commingling the production is the most effective means of producing the reserves. Cimarex understand the requested approval will not constitute the granting of any right of way or construction rights not granted by the lease instrument.

NMOCD does not require notification for projects with identical ownership.

The BLM and NMOCD will be notified of any changes to the CTB.



COTERRA ENERGY INC.  
600 N. Marienfeld Street  
Suite 600  
Midland, TX 79701

June 23, 2022

Attn: State of New Mexico Oil Conservation Division

Subject: Surface Pool Commingling Application

To whom it may concern:

This letter serves to notice you that the ownership of the following wells is identical in working, royalty and overriding royalty interest and percentages.

API	Well Name	Well Number	Pool Name	Location	Status
30-025-44150	VACA DRAW 20 17 FEDERAL	#005H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-44151	VACA DRAW 20 17 FEDERAL	#006H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-44360	VACA DRAW 20 17 FEDERAL	#009H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-44356	VACA DRAW 20 17 FEDERAL	#010H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-44357	VACA DRAW 20 17 FEDERAL	#011H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-44358	VACA DRAW 20 17 FEDERAL	#012H	[97903] WC-025 G-08 S253235G; LWR BONE SPRING	N-20-25S-33E	Active
30-025-46113	VACA DRAW 20 17 FEDERAL	#029H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-46114	VACA DRAW 20 17 FEDERAL	#030H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-46115	VACA DRAW 20 17 FEDERAL	#031H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	M-20-25S-33E	Active
30-025-46116	VACA DRAW 20 17 FEDERAL	#043H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	Active
30-025-46117	VACA DRAW 20 17 FEDERAL	#044H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	Active

30-025-46118	VACA DRAW 20 17 FEDERAL	#045H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	Active
30-025-50143	VACA DRAW 20 17 FEDERAL	#046H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	New
30-025-50178	VACA DRAW 20 17 FEDERAL	#047	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	O-20-25S-33E	New
30-025-46119	VACA DRAW 20 17 FEDERAL	#057H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-46120	VACA DRAW 20 17 FEDERAL	#058H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-46121	VACA DRAW 20 17 FEDERAL	#059H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-47961	VACA DRAW 20 17 FEDERAL	#061H	[98180] WC-025 G-09 S253309P; Upr Wolfcamp	P-20-25S-33E	Active
30-025-46160	VACA DRAW 20 17 FEDERAL	#071H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	Active
30-025-46161	VACA DRAW 20 17 FEDERAL	#072H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	Active
30-025-46122	VACA DRAW 20 17 FEDERAL	#073H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	Active
30-025-50179	VACA DRAW 20 17 FEDERAL	#074H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	New
30-025-50180	VACA DRAW 20 17 FEDERAL	#075H	[97994] WC-025 G-06 S253329D; UPR BONE SPRING	P-20-25S-33E	New

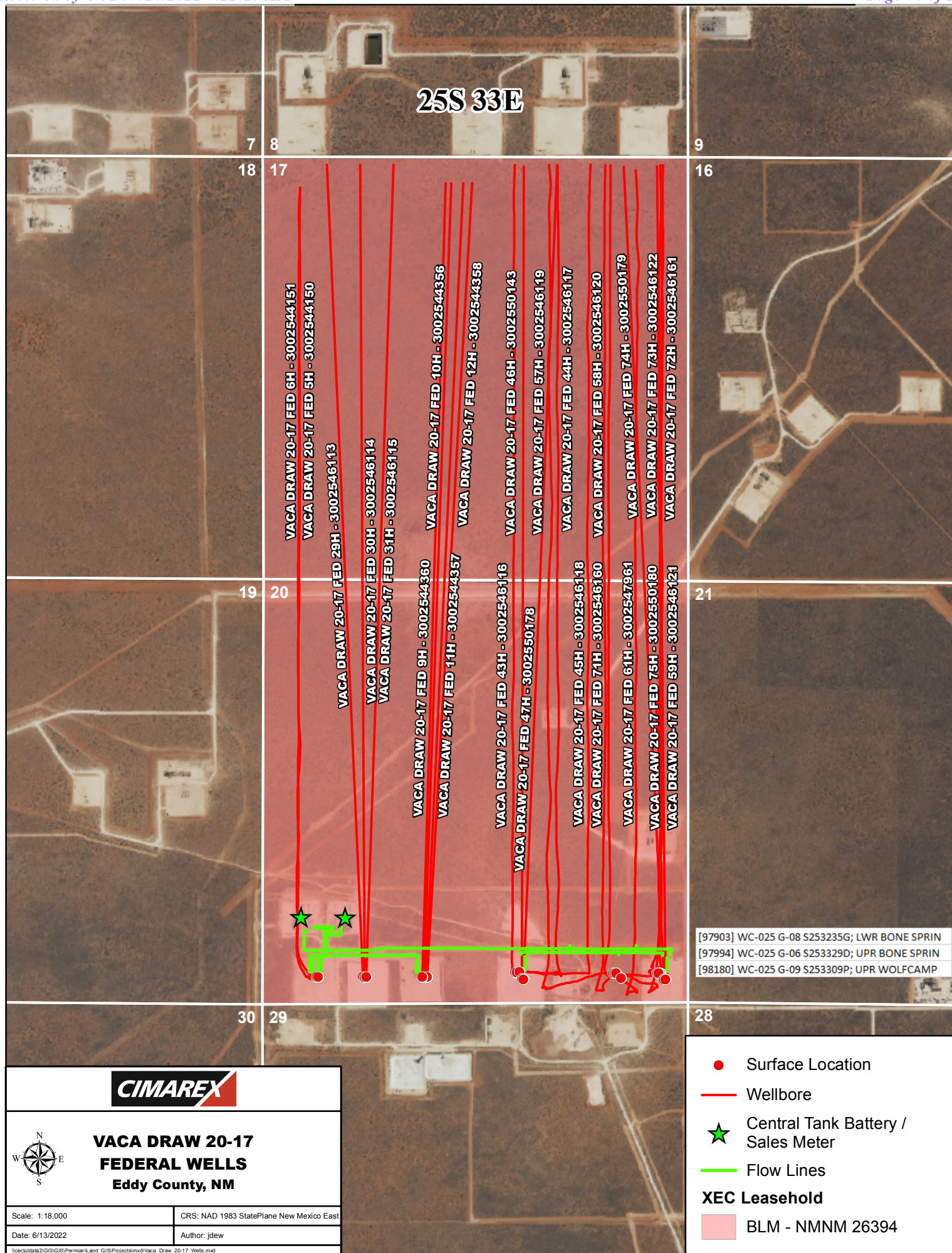
*Colterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.*

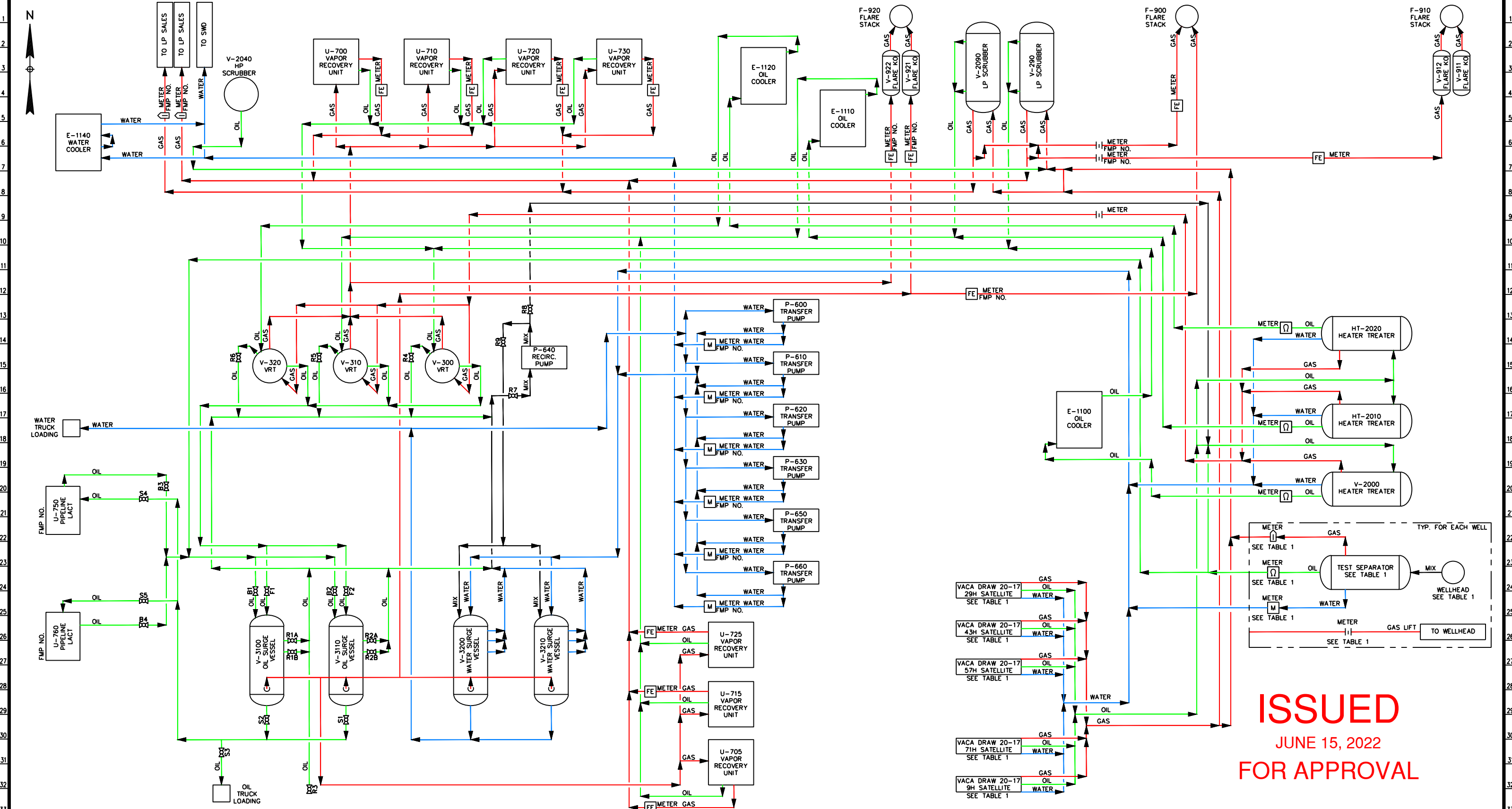
I certify that this information is true and correct to the best of my knowledge.

Sincerely,



John Coffman  
Landman





**ISSUED**  
JUNE 15, 2022  
**FOR APPROVAL**

**NOTE:**

1. TABLE 1 FOUND ON D-7237-10-TOC

JR	GAS METER
SR	GAS METER
Q	CORLIOLIS METER
M	MAG METER
FE	THERMAL MASS METER
T	TURBINE METER

WATER:	—
GAS:	—
MIX:	—
OIL:	—
SEALABLE VALVE	—

REFERENCE DRAWINGS		REVISIONS					
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.
		A	06/15/22	ISSUED FOR APPROVAL	NR	JR	

Midland, Texas 79705  
Arlington, Texas 76011  
Katy, Texas 77449  
WWW.3SENGINEERINGDESIGN.COM  
TBPE FIRM REG. #13809  
NM FIRM REG. #4545320

**NOTICE**

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ENGINEERING RECORD		 VACA DRAW 20-17 5H-6H PROCESS FLOW DIAGRAM	LEA COUNTY	NM
BY	DATE			
DRN: NR	06/13/22			
DES:				
CHK:				
APP:				
AFE No.		PLOT SCALE NONE	DWG. NO. D-7237-10-200	REV A
FACILITY ENGR.	C. BOYLE			
PROJ. ENGR.	R. LEAK			
SCALE:	NONE	CAD NO.		

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

<sup>1</sup> API Number 30-025-44150	<sup>2</sup> Pool Code 97994	<sup>3</sup> Pool Name Wildcat; Upper Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 5H
<sup>7</sup> GRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3423.2'

<sup>10</sup> 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	20	25S	33E		390	SOUTH	610	WEST	LEA

<sup>11</sup> 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	17	25S	33E		330	NORTH	384	WEST	LEA

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'35.06" (32.109739)	
LONGITUDE = 103°36'02.46" (103.600683)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'34.61" (32.109614)	
LONGITUDE = 103°36'00.76" (103.600211)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 404430.38 E: 768181.86	
STATE PLANE NAD 27 (N.M. EAST)	
N: 404372.59 E: 726995.71	

NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE = 32°08'13.01" (32.136947)	
LONGITUDE = 103°36'05.75" (103.601597)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 414326.97 E: 767831.97	

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N36°04'46"W	493.87'

SCALE  
DRAWN BY: S.F. 01-20-17  
REV: 2 10-09-17 S.F.  
(MOVED BOTTOM HOLE)

● = SURFACE HOLE LOCATION  
○ = BOTTOM HOLE LOCATION  
▲ = SECTION CORNERS LOCATED  
◇ = LANDING POINT

<sup>17</sup> 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.

09/25/2018  
Signature Date

Fatima Vasquez  
Printed Name

fvasquez@cimarex.com  
E-mail Address

<sup>18</sup> 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.

January 19, 2017  
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  
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District IV  
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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  
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☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30025-44151</b>	<sup>2</sup> Pool Code <b>97994</b>	<sup>3</sup> Pool Name <b>WC-025 G-06 S253329D; Wildcat Upper Bone Spring</b>
<sup>4</sup> Property Code <b>319775</b>	<sup>5</sup> Property Name <b>VACA DRAW 20-17 FEDERAL</b>	<sup>6</sup> Well Number <b>6H</b>
<sup>7</sup> OGRID No. <b>215099</b>	<sup>8</sup> Operator Name <b>CIMAREX ENERGY CO.</b>	<sup>9</sup> Elevation <b>3423.2'</b>

<sup>10</sup> 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	20	25S	33E		390	SOUTH	630	WEST	LEA

<sup>11</sup> 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	17	25S	33E		330	NORTH	385	WEST	LEA
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

LINE	DIRECTION	LENGTH
L1	N32°08'07"W	471.50'

**<sup>17</sup> 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: *T Stathem* Date: 1-18-19

Printed Name: T Stathem

E-mail Address: tstathem@cimarex.com

**<sup>18</sup> 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.

January 19, 2017

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  
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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  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44360		<sup>2</sup> Pool Code 98250		<sup>3</sup> Pool Name Wildcat; Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 9H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3417.5'

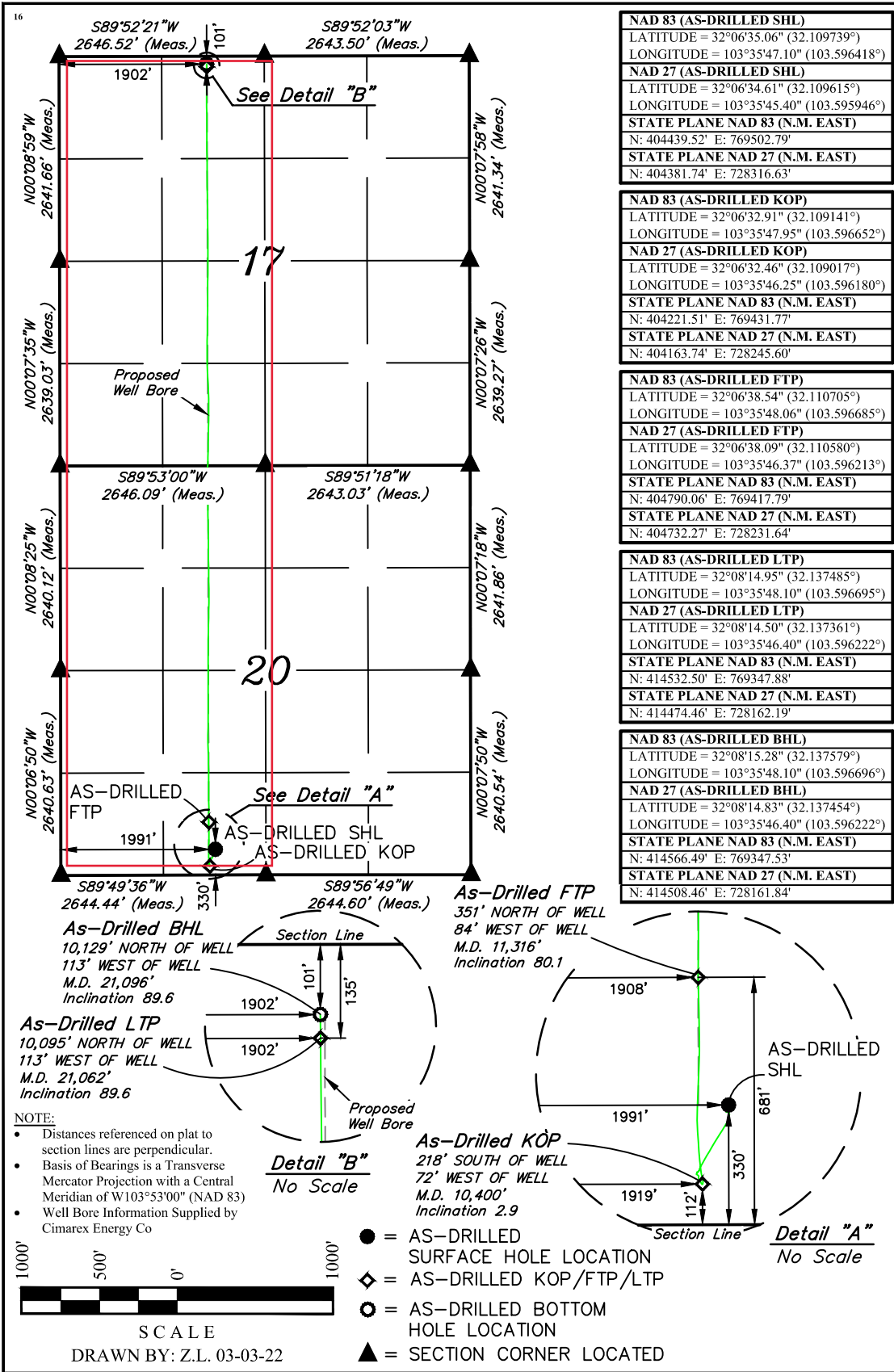
<sup>10</sup> Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 1991	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 101	North/South line NORTH	Feet from the 1902	East/West line WEST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. PC-1393			

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.



<sup>17</sup> 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.

*Sarah Jordan* 5/10/22  
Signature Date

Sarah Jordan

Printed Name

sarah.jordan@coterra.com

E-mail Address

<sup>18</sup> 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.

October 29, 2021  
Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	5,146.92'
SECTION 20	4,598.33'
TOTAL	9,745.25'

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44356		<sup>2</sup> Pool Code 97903		<sup>3</sup> Pool Name WC-025 G-08 S253235G; LWR Bone Spring	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 10H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3417.4'

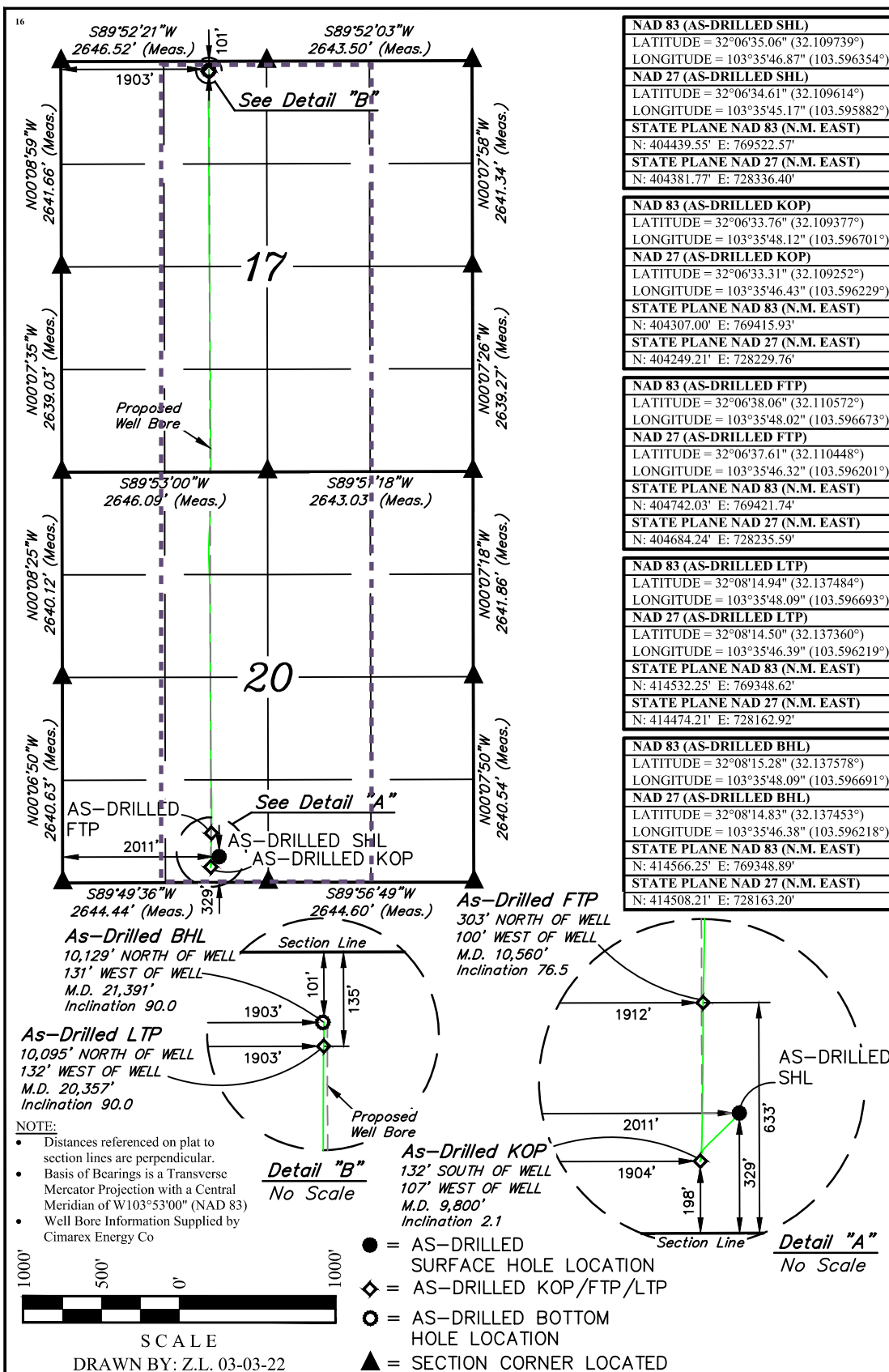
<sup>10</sup>Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 329	North/South line SOUTH	Feet from the 2011	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

## " Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 101	North/South line NORTH	Feet from the 1903	East/West line WEST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. PC-1393			

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.*

Signature K. J. S. Date 5/9/2022

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.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.*

October 29, 2021

Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor: \_\_\_\_\_



Certificate Number: \_\_\_\_\_

### APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP

SECTION 17	5,146.15'
SECTION 20	4,647.05'
TOTAL	9,793.20'

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  
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District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44357	<sup>2</sup> Pool Code 97903	<sup>3</sup> Pool Name WC-025 G-08 S253235G; LWR Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 11H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3417.3'

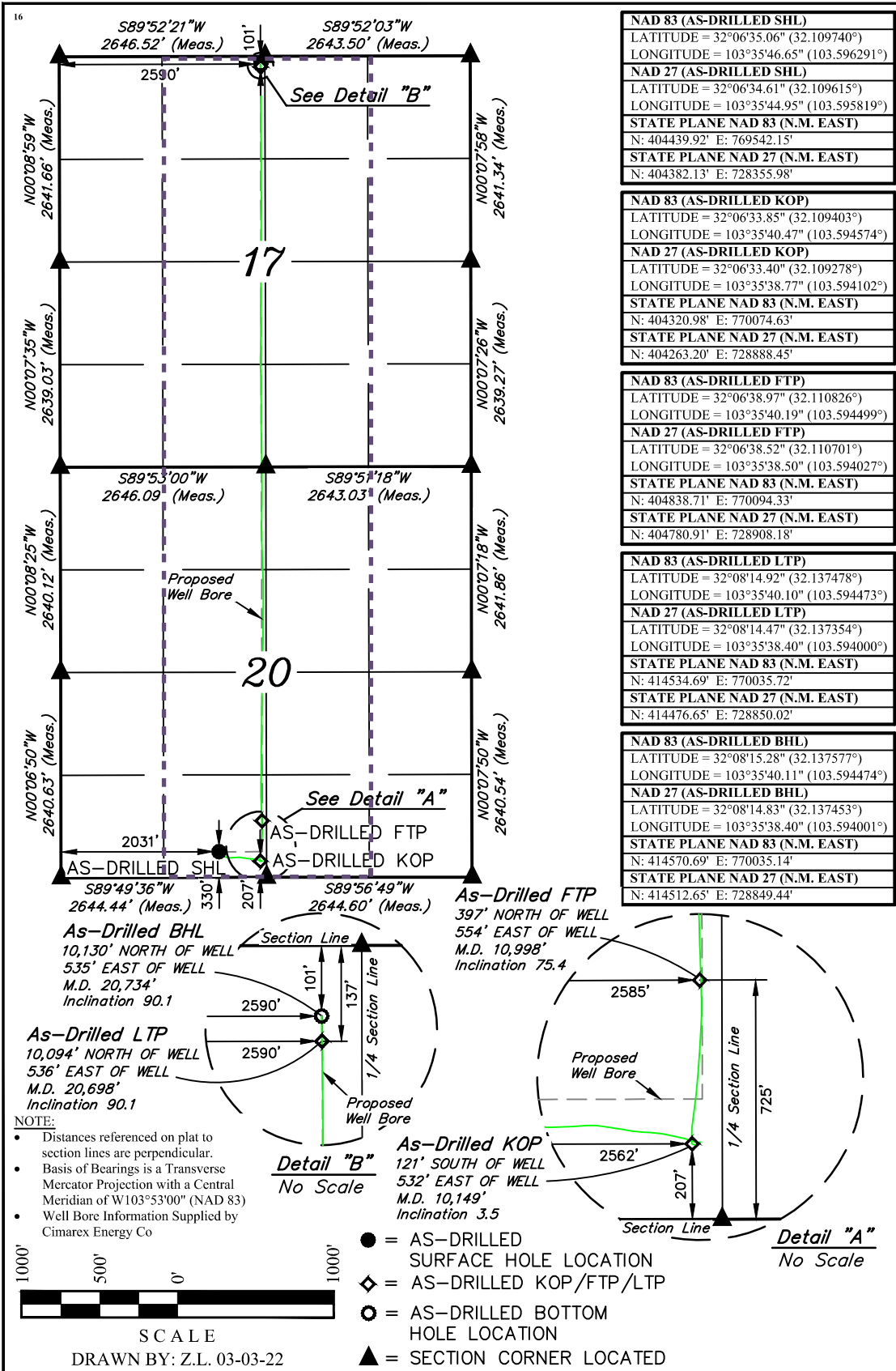
<sup>10</sup> Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 2031	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. C	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 101	North/South line NORTH	Feet from the 2590	East/West line WEST	County LEA
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. PC-1393						

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.



**<sup>17</sup> 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: *Kanicia Schlichting* Date: 5/9/22

Printed Name: Kanicia Schlichting

E-mail Address: kanicia.schlichting@coterra.com

**<sup>18</sup> 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.

October 29, 2021

Date of Survey

Signature and Seal of Professional Surveyor:

**PAUL BUCHELE**  
NEW MEXICO  
23782  
03-07-22  
PROFESSIONAL SURVEYOR

Certificate Number:

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	5,144.48'
SECTION 20	4,554.41'
TOTAL	9,698.89'

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  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44358	<sup>2</sup> Pool Code 97903	<sup>3</sup> Pool Name WC-025 G-08 S253235G; LWR Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 12H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3417.5'

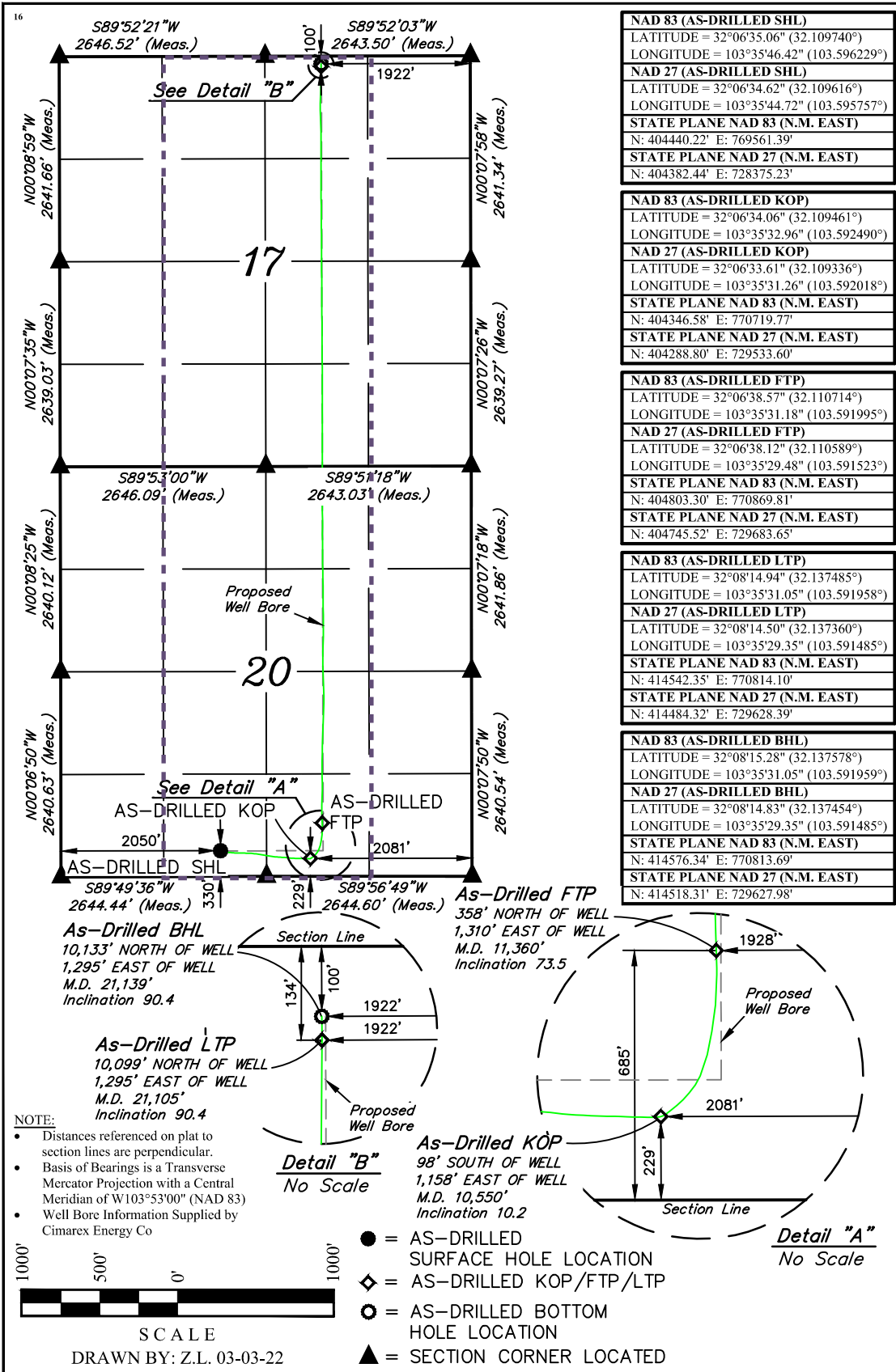
<sup>10</sup> Surface Location

UL or lot no. N	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 2050	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. B	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1922	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. PC-1393						

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.



<sup>17</sup> 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.

*K. Schlichting* 5/6/22  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address

<sup>18</sup> 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.

October 29, 2021

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 17	4,595.10'
SECTION 20	5,154.96'
TOTAL	9,750.06'

☐ AMENDED REPORT

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  
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Phone: (575) 748-1283 Fax: (575) 748-9720  
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State of New Mexico  
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1220 South St. Francis Dr.  
Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46114		<sup>2</sup> Pool Code 97994		<sup>3</sup> Pool Name WC-025 G-06 S253329D; UPR Bone Spring					
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL						<sup>6</sup> Well Number 30H	
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.						<sup>9</sup> Elevation 3419.6'	

<sup>10</sup> Surface Location

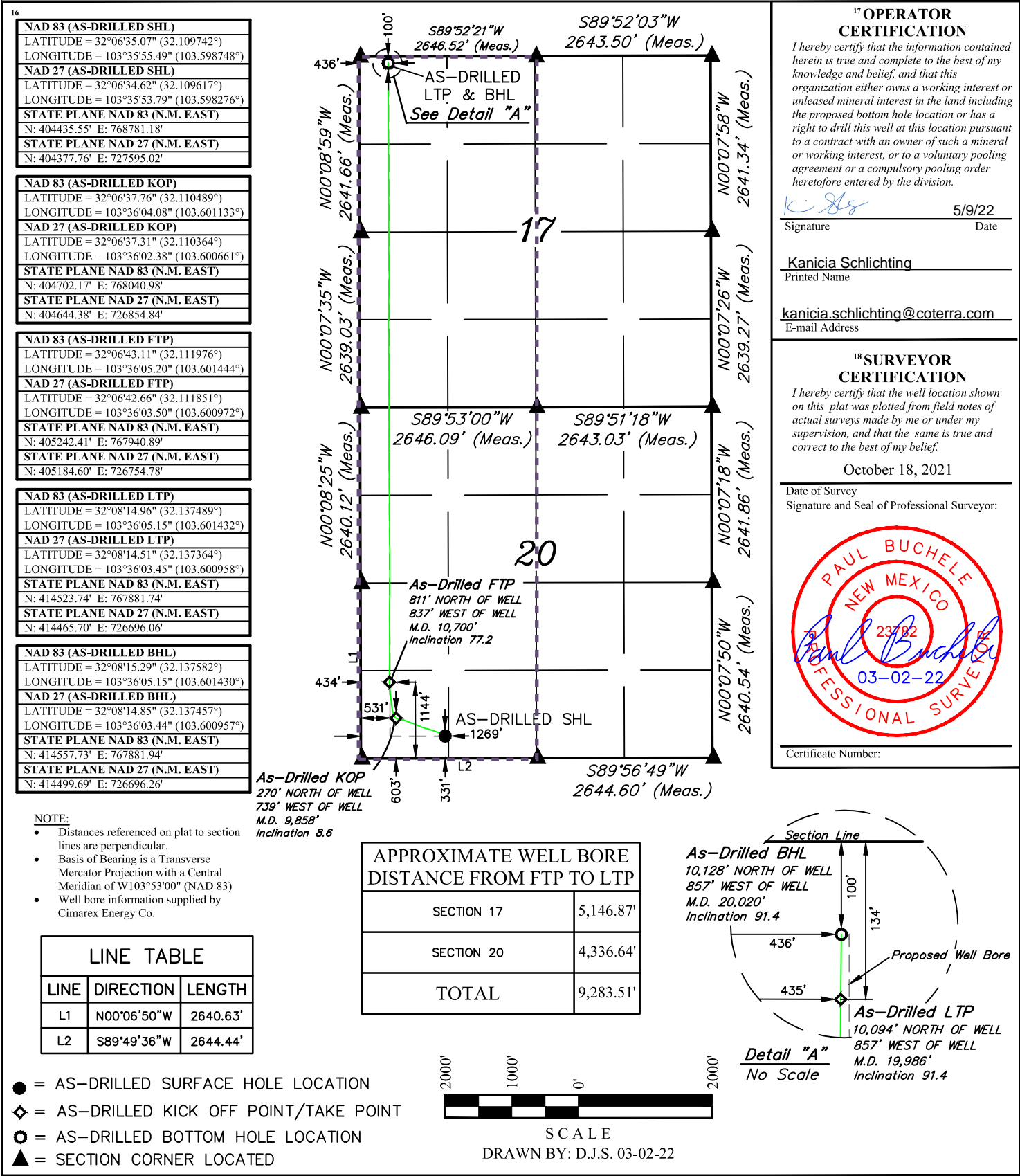
UL or lot no. M	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 331	North/South line SOUTH	Feet from the 1269	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. D	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 436	East/West line WEST	County LEA
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<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. PC-1393			
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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.



Form C-102  
Revised August 1, 2011  
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District Office

☐ AMENDED REPORT

SCALE  
DRAWN BY: D.J.S. 03-02-22

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

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Revised August 1, 2011  
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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

30-025-46116	97994	WC-025 G-06 S253329D; UPR BONE SPRING
Property Code 319775	Property Name VACA DRAW 20-17 FEDERAL	Well Number 43H
OGRIED No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3407.9'

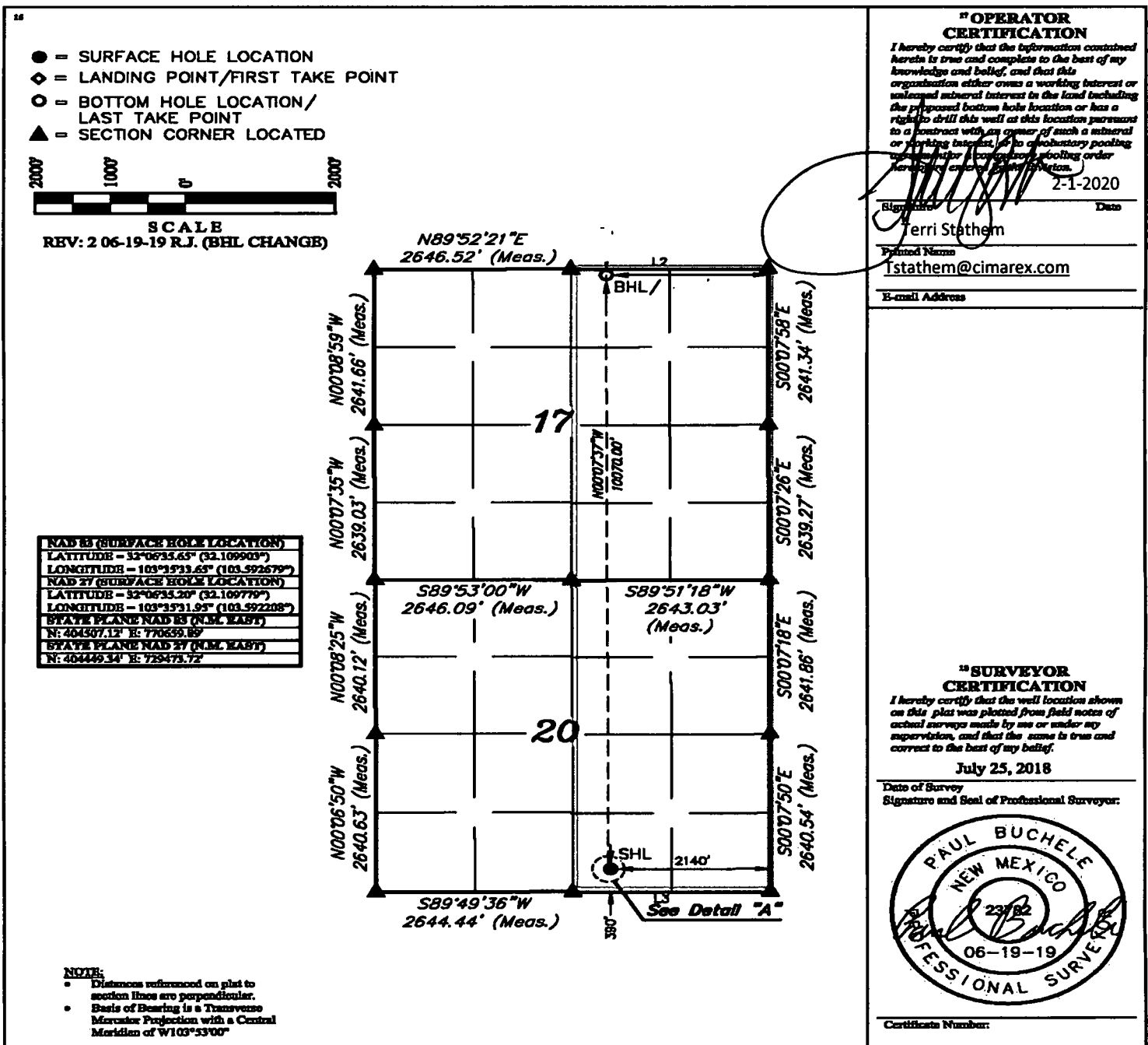
**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	20	25S	33E		390	SOUTH	2140	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	17	25S	33E		101	NORTH	2166	EAST	LEA
Dedicated Acres 640	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.



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District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> APL Number 30-025-46117	<sup>2</sup> Pool Code 97994	<sup>3</sup> Pool Name WC-025 G-06 S253329D; UPR BONE SPRING
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 44H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3406.7'

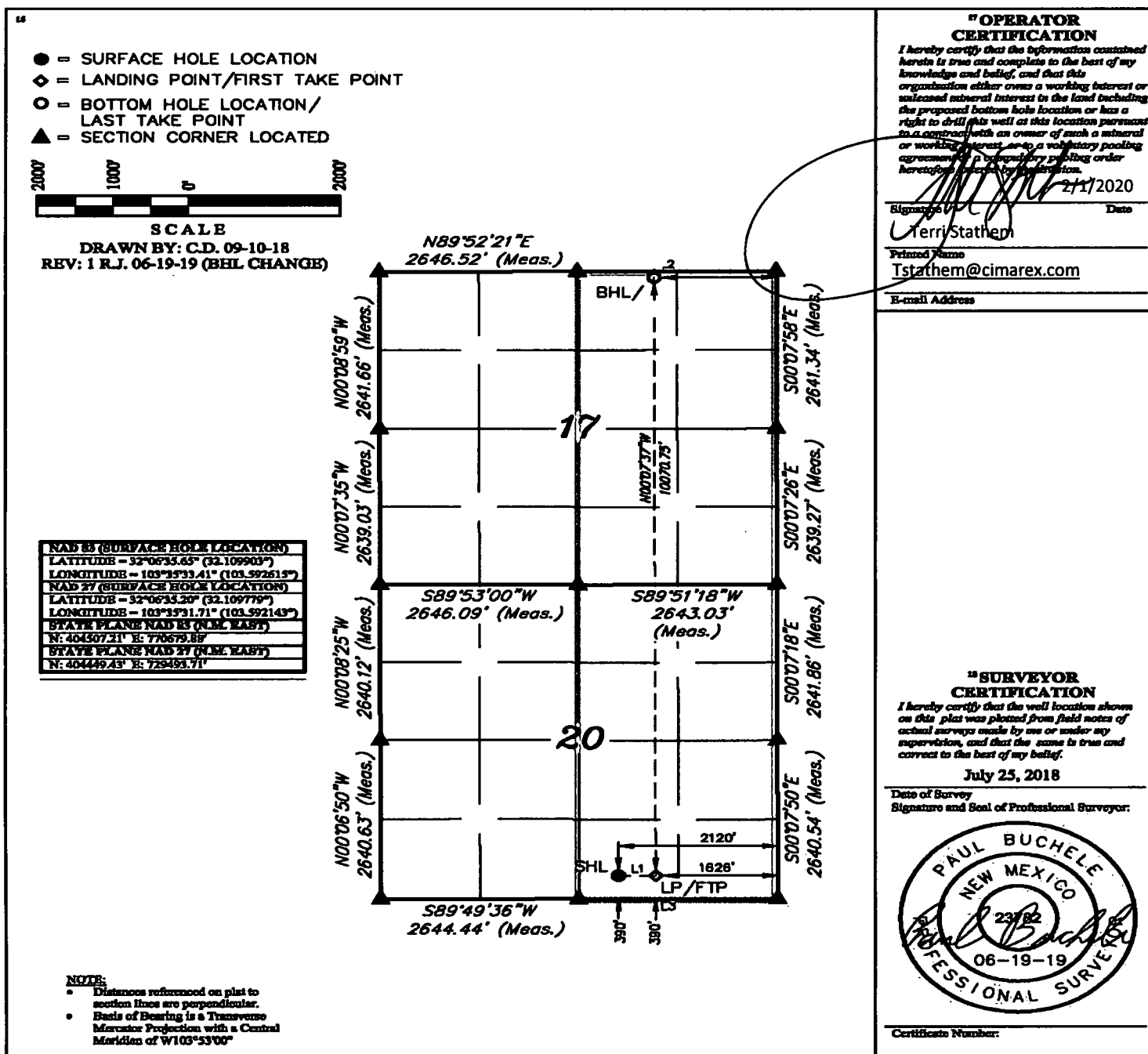
= Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	20	25S	33E		390	SOUTH	2120	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	17	25S	33E		101	NORTH	1636	EAST	LEA
<sup>10</sup> Dedicated Acres 640	<sup>11</sup> Joint or Infill	<sup>12</sup> Consolidation Code	<sup>13</sup> 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**  
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Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

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FEB 10 2020

**WELL LOCATION AND ACREAGE DEDICATION**

30-025-46118		97994	WC-025 G-08 5255329D; UPR BONE SPRING	
319775	VACA DRAW 20-17 FEDERAL			45H
215099	CIMAREX ENERGY CO.			3406.7

### ■ Surface Location

UL or lot no. O	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 2100	East/West line EAST	County LEA
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**" Bottom Hole Location If Different From Surface**

UL or lot no. B	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1236	East/West line EAST	County LEA
<input type="checkbox"/> Dedicated Acres 640		<input type="checkbox"/> Joint or Infill		<input type="checkbox"/> Consolidation Code		<input type="checkbox"/> 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 bottomhole location and has a right to drill this well at this location pursuant to a contract with an owner of either mineral or working interest or a proprietary pooling agreement or has been granted drilling order by the state or local government.

2/17/2020

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Ferri Stathem**

Printed Name  
Tstatthem@cimarex.com

**E-mail Address**

### **12 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 25, 2018**

Date of Survey  
Signature and Seal of Professional Surveyor:



**Certificate Number:**

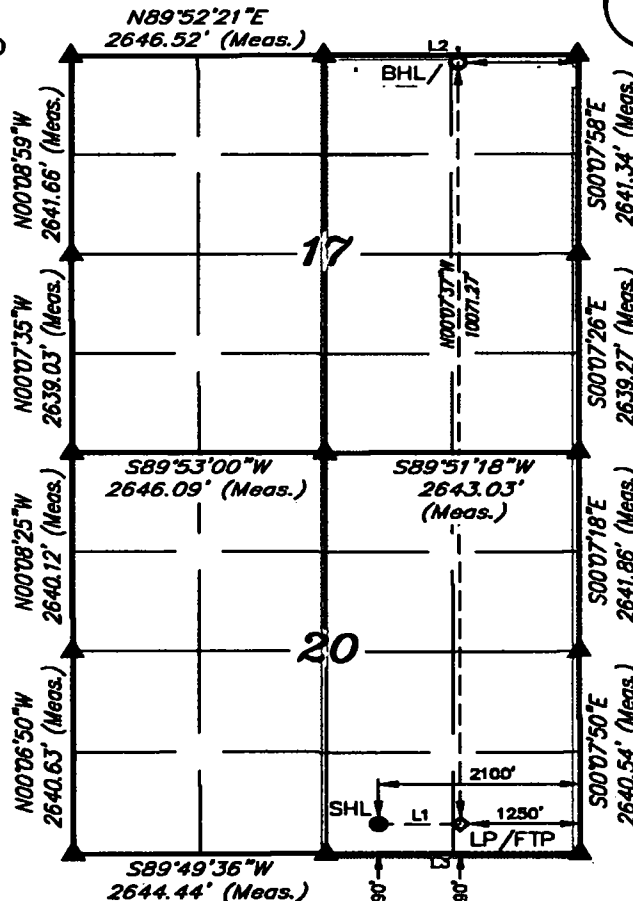
- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



### SCALE

**DRAWN BY: C.D. 09-10-18**  
**REV: 1 R.J. 06-19-19 (BHL CHANGE)**

**NAD 83 (SURFACE HOLE LOCATION)**  
**LATITUDE = 32°06'35.45" (32.109905°)**  
**LONGITUDE = 103°35'31.18" (103.592550°)**  
**NAD 27 (SURFACE HOLE LOCATION)**  
**LATITUDE = 32°06'35.20" (32.109779°)**  
**LONGITUDE = 103°35'31.48" (103.592078°)**  
**STATE PLANE NAD 83 (N.M. EAST)**  
**N: 404507.31' E: 770699.88'**  
**STATE PLANE NAD 27 (N.M. EAST)**  
**N: 404449.53' E: 729513.71'**



**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

☒ AMENDED REPORT

16

● = SURFACE HOLE LOCATION  
 ◆ = LANDING POINT/FIRST TAKE POINT  
 ○ = BOTTOM HOLE LOCATION/  
 LAST TAKE POINT  
 ▲ = SECTION CORNER LOCATED

SCALE  
 DRAWN BY: C.IVIE 08-08-19  
 REV: 1 05-05-22 C.D.L.  
 (BHL CHANGE)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S33°45'58"E	276.40'
L2	N89°52'03"E	2643.50'
L3	S89°56'49"W	2644.60'

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'35.06" (32.109738°)	
LONGITUDE = 103°35'32.72" (103.592422°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°06'34.61" (32.109613°)	
LONGITUDE = 103°35'31.02" (103.591950°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 404447.51' E: 770740.15'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 404389.73' E: 729553.98'	

NAD 83 (L.P./F.T.P.)	
LATITUDE = 32°06'32.78" (32.109105°)	
LONGITUDE = 103°35'30.94" (103.591927°)	
NAD 27 (L.P./F.T.P.)	
LATITUDE = 32°06'32.33" (32.108981°)	
LONGITUDE = 103°35'29.24" (103.591456°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 404218.41' E: 770894.71'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 404160.64' E: 729708.52'	

NAD 83 (BHL/LTP)	
LATITUDE = 32°08'15.28" (32.137579°)	
LONGITUDE = 103°35'30.88" (103.591911°)	
NAD 27 (BHL/LTP)	
LATITUDE = 32°08'14.84" (32.137454°)	
LONGITUDE = 103°35'29.18" (103.591438°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 414576.78' E: 770828.45'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 414518.75' E: 729642.75'	

**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

**Detail "A"**  
 No Scale

**17 OPERATOR  
 CERTIFICATION**

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*K. Schlichting*

05/19/2022

Signature

Date

**Kanicia Schlichting**

Printed Name

kanicia.schlichting@coterra.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 25, 2018

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

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**AMENDED REPORT**

# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46119		<sup>2</sup> Pool Code 98180	<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL		<sup>6</sup> Well Number 57H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 3398.5'

## <sup>10</sup> Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 920	East/West line EAST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. B	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1742	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

- 16 ● = SURFACE HOLE LOCATION  
 ◆ = AS-DRILLED KOP/ FTP/ LTP  
 ○ = AS-DRILLED BOTTOM  
 HOLE LOCATION  
 ▲ = SECTION CORNER LOCATED

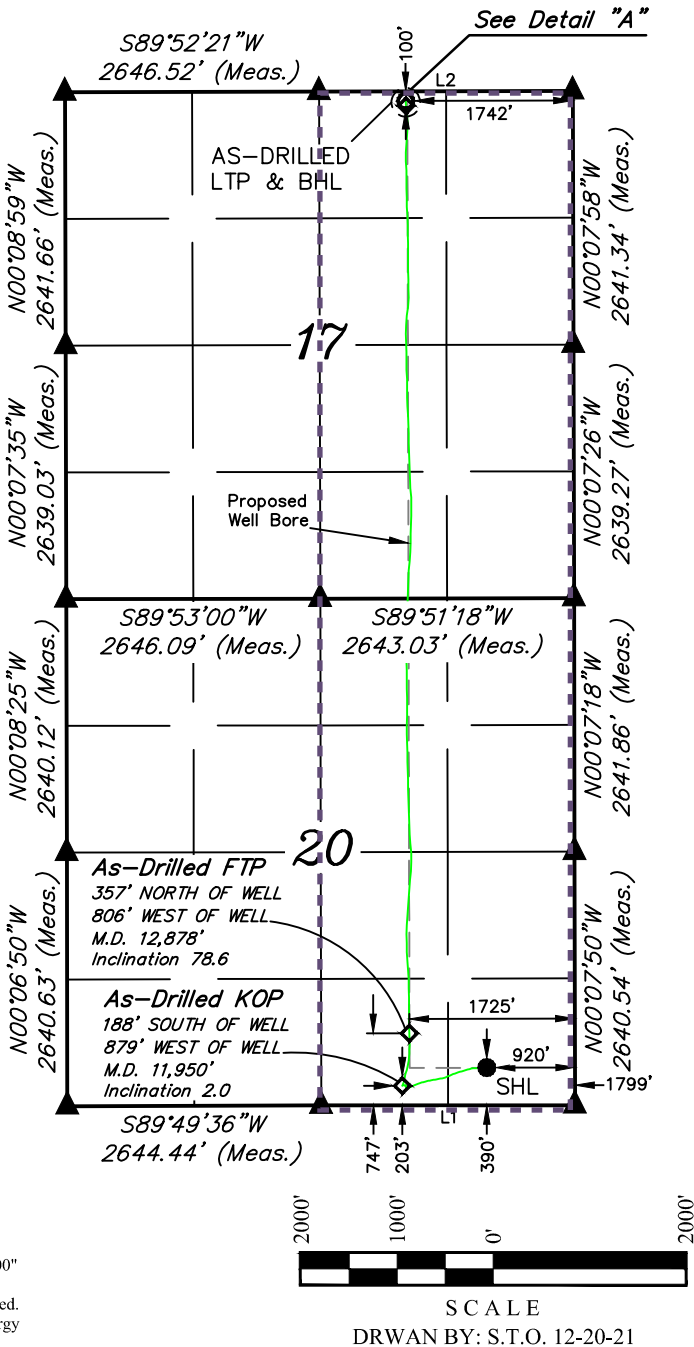
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'
L2	S89°52'03"W	2643.50'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,135.87'
Sec. 20	4,536.05'
TOTAL	9,671.92'

<b>NAD 83 (SURFACE HOLE LOCATION)</b>
<b>LATITUDE</b> = 32°06'35.63" (32.109898°)
<b>LONGITUDE</b> = 103°35'19.64" (103.588740°)
<b>NAD 27 (SURFACE HOLE LOCATION)</b>
<b>LATITUDE</b> = 32°06'35.18" (32.109773°)
<b>LONGITUDE</b> = 103°35'17.77" (103.588268°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 404513.40' <b>E:</b> 771879.66'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 404455.62' <b>E:</b> 730693.48'
<b>NAD 83 (AS-DRILLED KOP)</b>
<b>LATITUDE</b> = 32°06'33.79" (32.109387°)
<b>LONGITUDE</b> = 103°35'29.69" (103.591580°)
<b>NAD 27 (AS-DRILLED KOP)</b>
<b>LATITUDE</b> = 32°06'33.34" (32.109262°)
<b>LONGITUDE</b> = 103°35'27.99" (103.591108°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 404321.52' <b>E:</b> 771001.65'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 404263.74' <b>E:</b> 729815.47'
<b>NAD 83 (AS-DRILLED FTP)</b>
<b>LATITUDE</b> = 32°06'39.18" (32.110884°)
<b>LONGITUDE</b> = 103°35'28.82" (103.591339°)
<b>NAD 27 (AS-DRILLED FTP)</b>
<b>LATITUDE</b> = 32°06'38.73" (32.110759°)
<b>LONGITUDE</b> = 103°35'27.12" (103.590867°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 404866.65' <b>E:</b> 771072.54'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 404808.86' <b>E:</b> 729886.38'
<b>NAD 83 (AS-DRILLED LTP)</b>
<b>LATITUDE</b> = 32°08'14.79" (32.137440°)
<b>LONGITUDE</b> = 103°35'28.92" (103.591366°)
<b>NAD 27 (AS-DRILLED LTP)</b>
<b>LATITUDE</b> = 32°08'14.34" (32.137316°)
<b>LONGITUDE</b> = 103°35'27.21" (103.590993°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 414527.57' <b>E:</b> 770997.57'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 414469.54' <b>E:</b> 729811.87'
<b>NAD 83 (AS-DRILLED BHL)</b>
<b>LATITUDE</b> = 32°08'15.28" (32.137577°)
<b>LONGITUDE</b> = 103°35'28.96" (103.591377°)
<b>NAD 27 (AS-DRILLED BHL)</b>
<b>LATITUDE</b> = 32°08'14.83" (32.137453°)
<b>LONGITUDE</b> = 103°35'27.25" (103.590904°)
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
<b>N:</b> 414577.37' <b>E:</b> 770993.71'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
<b>N:</b> 414519.34' <b>E:</b> 729808.01'

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- As-Drilled Surface Hole Location not field verified.
- Well Bore information supplied by Cimarex Energy Co.



## 17 OPERATOR CERTIFICATION

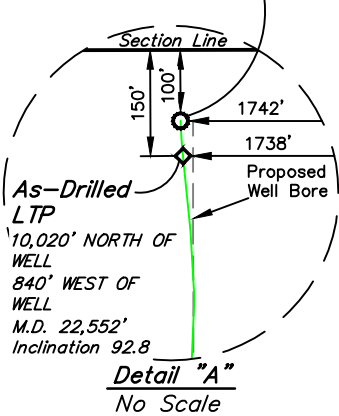
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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.*

Signature K. Sg Date 3/3/2022

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address

*As-Drilled BHL*  
*10,069' NORTH OF WELL*  
*844' WEST OF WELL*  
*M.D. 22,602'*  
*Inclination 92.5*



## 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 27, 2018

Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor: \_\_\_\_\_



Certificate Number:

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WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46120		<sup>2</sup> Pool Code 98180		<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 58H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3398.8'

<sup>10</sup> 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	20	25S	33E		390	SOUTH	900	EAST	LEA

<sup>11</sup> 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	17	25S	33E		100	NORTH	1040	EAST	LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

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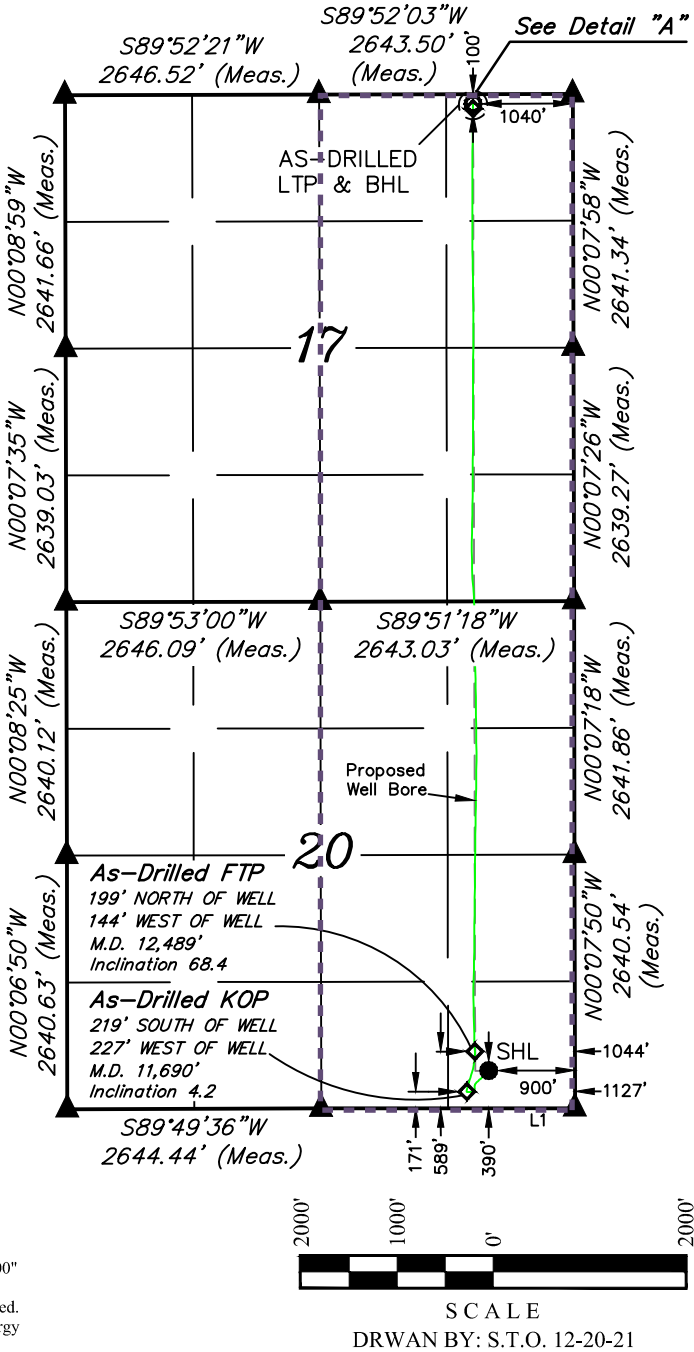
- <sup>16</sup>
- = SURFACE HOLE LOCATION
  - ◆ = AS-DRILLED KOP/ FTP/ LTP
  - = AS-DRILLED BOTTOM HOLE LOCATION
  - ▲ = SECTION CORNER LOCATED

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,131.60'
Sec. 20	4,692.43'
TOTAL	9,824.03'

<b>NAD 83 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.63" (32.109898°) LONGITUDE = 103°35'19.23" (103.588675°)	
<b>NAD 27 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.18" (32.109773°) LONGITUDE = 103°35'17.53" (103.588203°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404513.51' E: 771899.71'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404455.73' E: 730713.53'	
<b>NAD 83 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.47" (32.109297°) LONGITUDE = 103°35'21.88" (103.589410°)	
<b>NAD 27 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.02" (32.109172°) LONGITUDE = 103°35'20.18" (103.588938°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404293.32' E: 771673.65'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404235.54' E: 730487.46'	
<b>NAD 83 (AS-DRILLED FTP)</b> LATITUDE = 32°06'37.60" (32.110445°) LONGITUDE = 103°35'20.90" (103.589139°)	
<b>NAD 27 (AS-DRILLED FTP)</b> LATITUDE = 32°06'37.15" (32.110320°) LONGITUDE = 103°35'19.20" (103.588668°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404711.68' E: 771754.60'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404653.89' E: 730568.43'	
<b>NAD 83 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.78" (32.137440°) LONGITUDE = 103°35'20.81" (103.589114°)	
<b>NAD 27 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.33" (32.137315°) LONGITUDE = 103°35'19.10" (103.588640°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414532.11' E: 771694.79'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414474.08' E: 730509.08'	
<b>NAD 83 (AS-DRILLED BHL)</b> LATITUDE = 32°08'15.28" (32.137577°) LONGITUDE = 103°35'20.80" (103.589110°)	
<b>NAD 27 (AS-DRILLED BHL)</b> LATITUDE = 32°08'14.83" (32.137453°) LONGITUDE = 103°35'19.09" (103.588637°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414582.09' E: 771695.45'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414524.06' E: 730509.74'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
  - As-Drilled Surface Hole Location not field verified.
  - Well Bore information supplied by Cimarex Energy Co.



<sup>17</sup> 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.

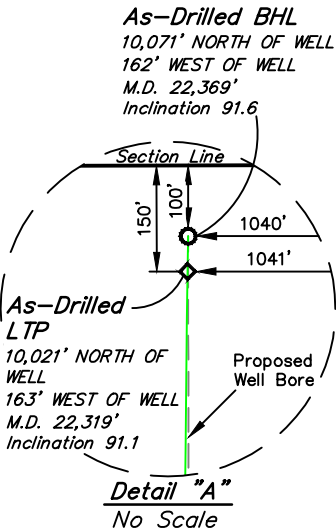
*K. Schlichting* 3/6/22  
Signature Date

Kanicia Schlichting

Printed Name

kanicia.schlichting@coterra

E-mail Address



<sup>18</sup> 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 27, 2018

Date of Survey  
Signature and Seal of Professional Surveyor:



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District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46121		<sup>2</sup> Pool Code 98180		<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp	
<sup>4</sup> Property Code 319775		<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL			<sup>6</sup> Well Number 59H
<sup>7</sup> OGRID No. 215099		<sup>8</sup> Operator Name CIMAREX ENERGY CO.			<sup>9</sup> Elevation 3398.6'

<sup>10</sup> Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 880	East/West line EAST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 354	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

- <sup>16</sup>
- = SURFACE HOLE LOCATION
  - ◆ = AS-DRILLED KOP/ FTP/ LTP
  - = AS-DRILLED BOTTOM HOLE LOCATION
  - ▲ = SECTION CORNER LOCATED

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,133.08'
Sec. 20	4,604.23'
TOTAL	9,737.31'

<b>NAD 83 (SURFACE HOLE LOCATION)</b>	
LATITUDE = 32°06'35.63" (32.109897°)	
LONGITUDE = 103°35'19.00" (103.588611°)	
<b>NAD 27 (SURFACE HOLE LOCATION)</b>	
LATITUDE = 32°06'35.18" (32.109773°)	
LONGITUDE = 103°35'17.30" (103.588139°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404513.62' E: 771919.71'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 404455.84' E: 730733.53'	
<b>NAD 83 (AS-DRILLED KOP)</b>	
LATITUDE = 32°06'33.25" (32.109237°)	
LONGITUDE = 103°35'14.28" (103.587299°)	
<b>NAD 27 (AS-DRILLED KOP)</b>	
LATITUDE = 32°06'32.80" (32.109112°)	
LONGITUDE = 103°35'12.58" (103.586828°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404276.18' E: 772327.35'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 404218.41' E: 731141.16'	
<b>NAD 83 (AS-DRILLED FTP)</b>	
LATITUDE = 32°06'38.57" (32.110714°)	
LONGITUDE = 103°35'12.97" (103.586936°)	
<b>NAD 27 (AS-DRILLED FTP)</b>	
LATITUDE = 32°06'38.12" (32.110589°)	
LONGITUDE = 103°35'11.27" (103.586464°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404814.26' E: 772436.13'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 404756.48' E: 731249.95'	
<b>NAD 83 (AS-DRILLED LTP)</b>	
LATITUDE = 32°08'14.77" (32.137436°)	
LONGITUDE = 103°35'12.82" (103.586895°)	
<b>NAD 27 (AS-DRILLED LTP)</b>	
LATITUDE = 32°08'14.32" (32.137312°)	
LONGITUDE = 103°35'11.12" (103.586422°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 414535.66' E: 772381.56'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 414477.63' E: 731195.85'	
<b>NAD 83 (AS-DRILLED BHL)</b>	
LATITUDE = 32°08'15.28" (32.137577°)	
LONGITUDE = 103°35'12.83" (103.586896°)	
<b>NAD 27 (AS-DRILLED BHL)</b>	
LATITUDE = 32°08'14.83" (32.137452°)	
LONGITUDE = 103°35'11.12" (103.586423°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 414586.65' E: 772380.88'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b>	
N: 414528.63' E: 731195.16'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
  - As-Drilled Surface Hole Location not field verified.
  - Well Bore information supplied by Cimarex Energy Co.

**<sup>17</sup> 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.

*K. Schlichting* 3/5/21  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address

**As-Drilled BHL**  
10,073' NORTH OF WELL  
503' EAST OF WELL  
M.D. 22,669'  
Inclination 90.2

**As-Drilled LTP**  
10,022' NORTH OF WELL  
504' EAST OF WELL  
M.D. 22,618'  
Inclination 90.3

Proposed Well Bore

**Detail "A"**  
No Scale

**<sup>18</sup> 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.

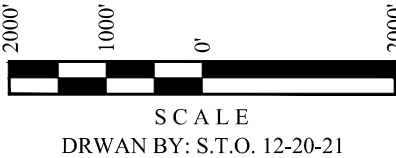
July 27, 2018

Date of Survey

Signature and Seal of Professional Surveyor:

**PAUL BUCHELE**  
NEW MEXICO  
23782  
12-20-21  
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

<sup>1</sup> API Number 30-025-47961		<sup>2</sup> Pool Code 98180	<sup>3</sup> Pool Name WC-025 G-09 S253309P;UPR Wolfcamp
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL		<sup>6</sup> Well Number 61H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 3398.3'

<sup>10</sup> 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	20	25S	33E		390	SOUTH	860	EAST	LEA

<sup>11</sup> 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	17	25S	33E		100	NORTH	702	EAST	LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

- <sup>16</sup>
- = SURFACE HOLE LOCATION
  - ◆ = AS-DRILLED KOP/ FTP/ LTP
  - = AS-DRILLED BOTTOM HOLE LOCATION
  - ▲ = SECTION CORNER LOCATED

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°56'49"W	2644.60'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
Sec. 17	5,137.81'
Sec. 20	4,644.61'
TOTAL	9,782.42'

<b>NAD 83 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.63" (32.109897°) LONGITUDE = 103°35'18.77" (103.588546°)	
<b>NAD 27 (SURFACE HOLE LOCATION)</b> LATITUDE = 32°06'35.18" (32.109773°) LONGITUDE = 103°35'17.07" (103.588075°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404513.69' E: 771939.65'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404455.91' E: 730753.47'	
<b>NAD 83 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.53" (32.109314°) LONGITUDE = 103°35'17.97" (103.588324°)	
<b>NAD 27 (AS-DRILLED KOP)</b> LATITUDE = 32°06'33.08" (32.109189°) LONGITUDE = 103°35'16.27" (103.587853°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404301.90' E: 772009.82'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404244.13' E: 730823.63'	
<b>NAD 83 (AS-DRILLED FTP)</b> LATITUDE = 32°06'38.08" (32.110578°) LONGITUDE = 103°35'16.93" (103.588036°)	
<b>NAD 27 (AS-DRILLED FTP)</b> LATITUDE = 32°06'37.63" (32.110453°) LONGITUDE = 103°35'15.23" (103.587564°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 404762.44' E: 772096.06'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 404704.66' E: 730909.88'	
<b>NAD 83 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.81" (32.137448°) LONGITUDE = 103°35'16.83" (103.588009°)	
<b>NAD 27 (AS-DRILLED LTP)</b> LATITUDE = 32°08'14.37" (32.137324°) LONGITUDE = 103°35'15.13" (103.587536°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414537.55' E: 772036.61'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414479.52' E: 730850.89'	
<b>NAD 83 (AS-DRILLED BHL)</b> LATITUDE = 32°08'15.28" (32.137577°) LONGITUDE = 103°35'16.87" (103.588018°)	
<b>NAD 27 (AS-DRILLED BHL)</b> LATITUDE = 32°08'14.83" (32.137453°) LONGITUDE = 103°35'15.16" (103.587545°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b> N: 414584.44' E: 772033.42'	
<b>STATE PLANE NAD 27 (N.M. EAST)</b> N: 414526.41' E: 730847.71'	

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
  - As-Drilled Surface Hole Location not field verified.
  - Well Bore information supplied by Cimarex Energy Co.

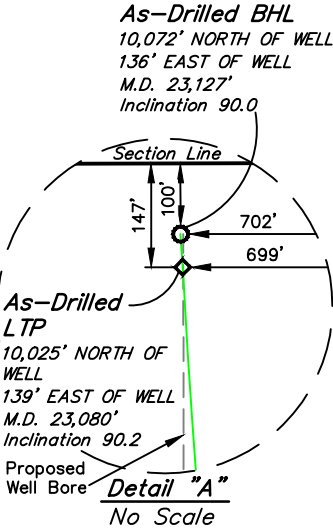
<sup>17</sup> OPERATOR CERTIFICATION

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.

*K Schlichting* 3/6/22  
Signature Date

Kanicia Schlichting  
Printed Name

kanicia.schlichting@coterra.com  
E-mail Address



<sup>18</sup> SURVEYOR CERTIFICATION

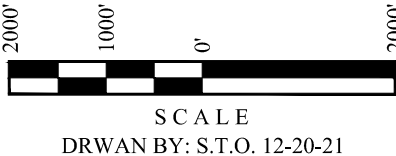
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

July 27, 2018

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:



District I  
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Phone: (575) 748-1283 Fax: (575) 748-9720  
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Phone: (505) 334-6178 Fax: (505) 334-6170  
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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
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

* API Number 30-025-46160	* Well Name WC-025 G-06 S253329D; UPR BONE SPRING
* Property Code 319775	* Property Name VACA DRAW 20-17 FEDERAL
* DGBID No. 215099	* Operator Name CIMAREX ENERGY CO.
* Well Number 71H	* Elevation 3395.8'

\* Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot 10n	Feet from the 390	North/South line SOUTH	Feet from the 370	East/West line EAST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

\* Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot 10n	Feet from the 100	North/South line NORTH	Feet from the 977	East/West line EAST	County LEA
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.						

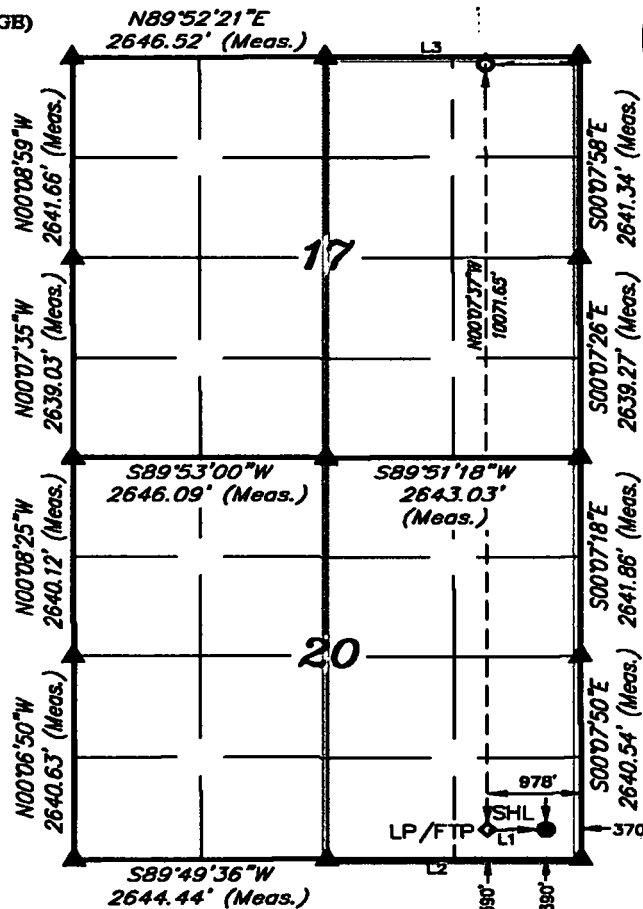
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

- = SURFACE HOLE LOCATION
- ◇ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



SCALE  
REV: 2 06-19-19 S.T.O. (BHL CHANGE)

<b>NAD 83 (SURFACE HOLE LOCATION)</b>	
LATITUDE - 32°06'35.62" (32.109895°)	
LONGITUDE - 103°35'13.07" (103.586964°)	
<b>NAD 83 (SURFACE HOLE LOCATION)</b>	
LATITUDE - 32°06'35.17" (32.109770°)	
LONGITUDE - 103°35'11.37" (103.586492°)	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404316.16' E: 772435.36'	
<b>STATE PLANE NAD 83 (N.M. EAST)</b>	
N: 404458.38' E: 751243.38'	



- NOTE:**
- Distances referenced on plat to section lines are perpendicular.
  - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

\* 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 well 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 leasehold pooling agreement, or a pooling order heretofore filed in the district.

Signature: \_\_\_\_\_ Date: 1-2020

Printed Name: Ferri Stathem

E-mail Address: fsthathem@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 27, 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 E. 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 E. 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

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

FEB 10 2020

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-46161	2 Pool Code 97994	3 Pool Name WC-025 G-06 S253329D; UPR BONE SPRING
4 Property Code 319775	5 Property Name VACA DRAW 20-17 FEDERAL	6 Well Number 72H
7 OGRID No. 215099	8 Operator Name CIMAREX ENERGY CO.	9 Elevation 3395.3'

= Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 390	North/South line SOUTH	Feet from the 350	East/West line EAST	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

= Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 320	East/West line EAST	County LEA
10 Dedicated Acres 640	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 unless stated 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 pooling agreement or a leasehold interest in the order heretofore made by this organization.

Signature: Terri Stathem Date: 2-1-2020

Printed Name: Terri Stathem  
E-mail Address: Tstathem@cimarex.com

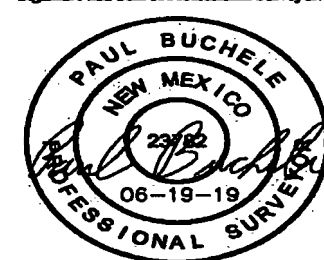
E-mail Address

" 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 27, 2018

Date of Survey  
Signature and Seal of Professional Surveyor:



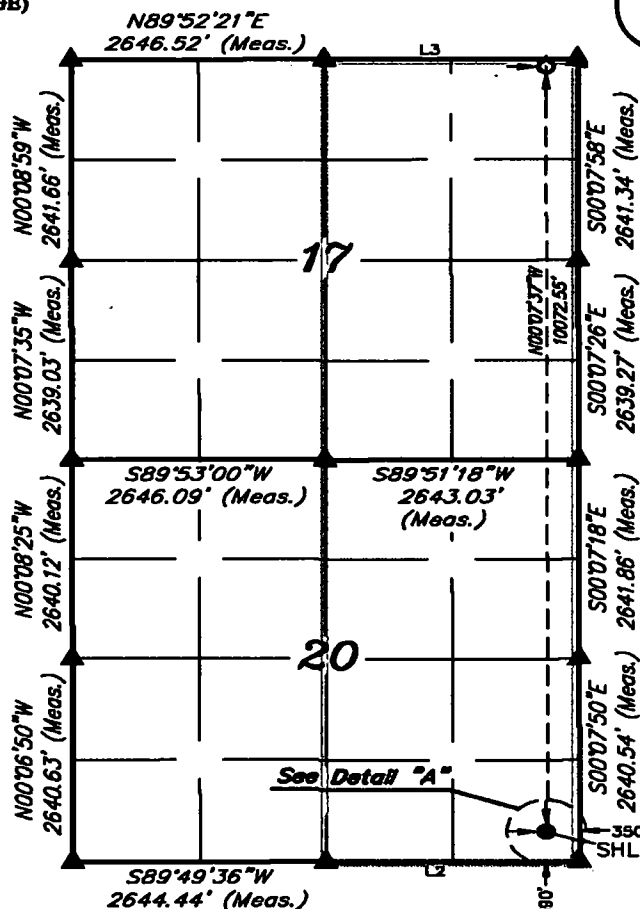
Certificate Number:

- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



SCALE  
REV: 1 S.T.O. 06-19-19 (BHL CHANGE)

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°06'35.62" (32.109895°)
LONGITUDE = 103°39'12.84" (103.65359°)
NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°06'35.17" (32.10977°)
LONGITUDE = 103°39'11.14" (103.65428°)
STATE PLANE NAD 83 (N.M. EAST)
N: 404518.26' E: 772449.36'
STATE PLANE NAD 83 (N.M. EAST)
N: 404458.49' E: 731263.37'



NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W105°53'00"

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

<sup>1</sup> API Number 30-025-46122	<sup>2</sup> Pool Code 97994	<sup>3</sup> Pool Name WC-025 G06 S253329D: Upr Bone Spring
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL	<sup>6</sup> Well Number 73H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3395.4'

## "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	20	25S	33E		390	SOUTH	330	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	17	25S	33E		100	NORTH	325	EAST	LEA
<sup>12</sup> Dedicated Acres 640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

● = SURFACE HOLE LOCATION/  
LANDING POINT/FIRST TAKE POINT  
○ = BOTTOM HOLE LOCATION/  
LAST TAKE POINT  
▲ = SECTION CORNER LOCATED

SCALE  
DRAWN BY: C.D. 09-10-18

**"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 the right to drill this well at this location pursuant to a contract with an owner of such interest or working interest, or to a voluntary pooling agreement or a communitization pooling order heretofore entered into by this division.

Signature: *[Signature]* Date: 2-1-2022  
Printed Name: TERRI STATHEM  
E-mail Address: tstatthem@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.

Date of Survey: July 27, 2018  
Signature and Seal of Professional Surveyor: *[Signature]*  
PAUL BUCHELE  
NEW MEXICO  
23182  
09-10-18  
PROFESSIONAL SURVEYOR

Certificate Number:

**NOTE:**  
• Distances referenced on plat to section lines are perpendicular.  
• Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

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

<sup>1</sup> API Number <b>30-025 50179</b>	<sup>2</sup> Pool Code <b>98180</b>	<sup>3</sup> Pool Name <b>Wildcat Wolfcamp</b>
<sup>4</sup> Property Code <b>319775</b>	<sup>5</sup> Property Name <b>VACA DRAW 20-17 FEDERAL</b>	<sup>6</sup> Well Number <b>74H</b>
<sup>7</sup> O.C.R.D. No. <b>215099</b>	<sup>8</sup> Operator Name <b>CIMAREX ENERGY CO.</b>	<sup>9</sup> Elevation <b>3396.0'</b>

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	25S	33E		330	SOUTH	290	EAST	LEA

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	25S	33E		100	NORTH	745	EAST	LEA
<sup>12</sup> Dedicated Acres <b>640</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

**16**

- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/ LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED

2000'

SCALE  
DRAWN BY: T.A. 08-08-19

**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N89°52'03"E	2643.50'
L2	S89°57'04"W	454.93'

**NAD 83 (SURFACE HOLE LOCATION)**  
LATITUDE = 32°06'35.03" (32.109729°)  
LONGITUDE = 103°35'12.14" (103.586706°)

**NAD 27 (SURFACE HOLE LOCATION)**  
LATITUDE = 32°06'34.58" (32.109605°)  
LONGITUDE = 103°35'10.44" (103.586234°)

**STATE PLANE NAD 83 (N.M. EAST)**  
N: 404456.58' E: 772509.85'  
**STATE PLANE NAD 27 (N.M. EAST)**  
N: 404398.81' E: 731323.66'

**NAD 83 (LP/FTP)**  
LATITUDE = 32°06'35.03" (32.109732°)  
LONGITUDE = 103°35'17.43" (103.588175°)

**NAD 27 (LP/FTP)**  
LATITUDE = 32°06'34.59" (32.109607°)  
LONGITUDE = 103°35'15.73" (103.587703°)

**STATE PLANE NAD 83 (N.M. EAST)**  
N: 404454.29' E: 772055.01'  
**STATE PLANE NAD 27 (N.M. EAST)**  
N: 404396.52' E: 730868.83'

**NAD 83 (BHL/LTP)**  
LATITUDE = 32°08'15.28" (32.137578°)  
LONGITUDE = 103°35'17.37" (103.588158°)

**NAD 27 (BHL/LTP)**  
LATITUDE = 32°08'14.83" (32.137453°)  
LONGITUDE = 103°35'15.66" (103.587685°)

**STATE PLANE NAD 83 (N.M. EAST)**  
N: 414584.32' E: 771990.23'  
**STATE PLANE NAD 27 (N.M. EAST)**  
N: 414526.29' E: 730804.52'

**NOTE:**

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

**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* 3/15/21  
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 27, 2018  
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

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

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025 50180		<sup>2</sup> Pool Code 98180	<sup>3</sup> Pool Name Wildcat Wolfcamp
<sup>4</sup> Property Code 319775	<sup>5</sup> Property Name VACA DRAW 20-17 FEDERAL		<sup>6</sup> Well Number 75H
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 3395.6'

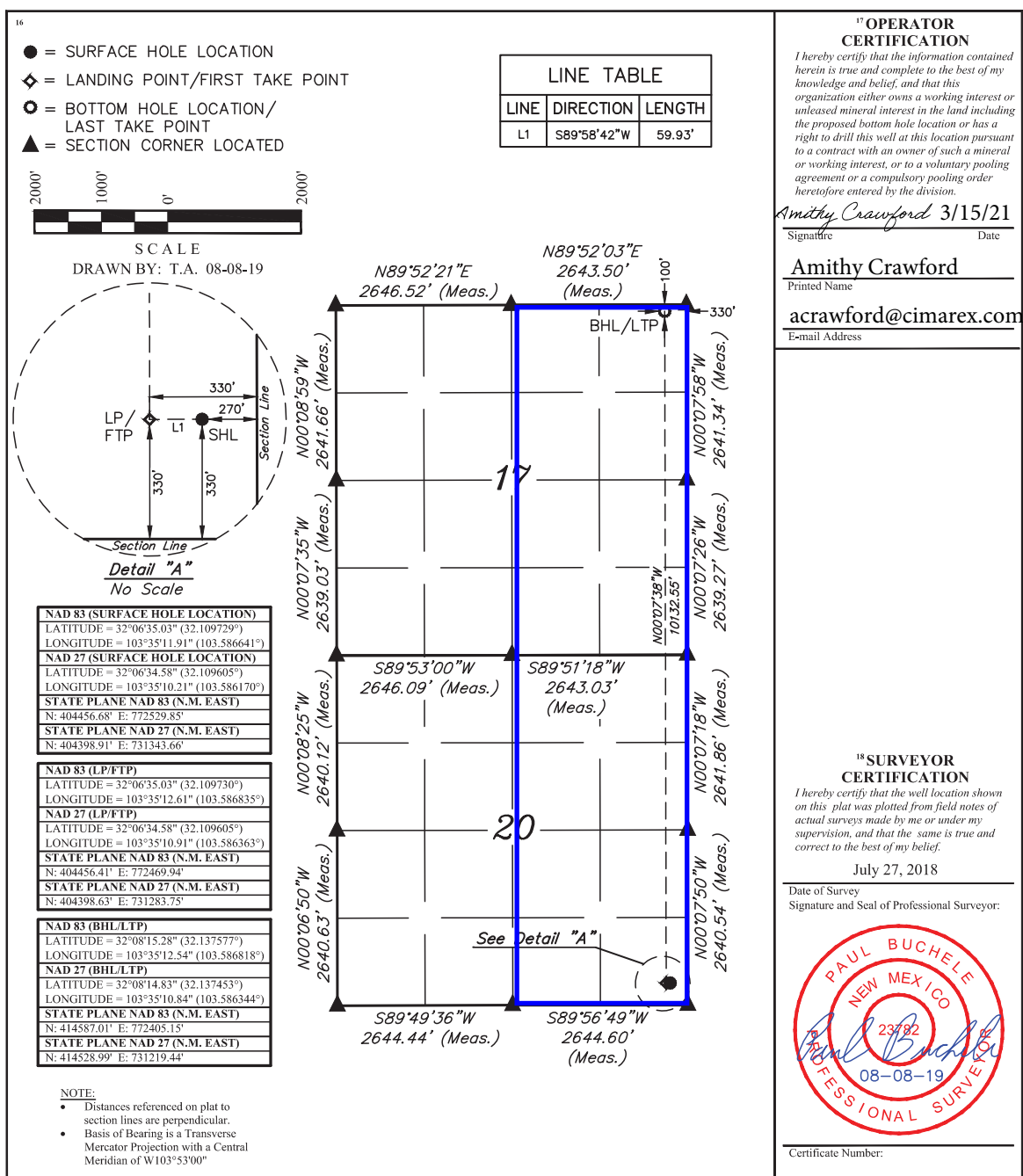
<sup>10</sup>Surface Location

UL or lot no. P	Section 20	Township 25S	Range 33E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 270	East/West line EAST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. A	Section 17	Township 25S	Range 33E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 330	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.





COTERRA ENERGY INC.

600 N. Marienfeld St., Suite 600

Midland, TX 79701

*Certified Mail - Return Receipt*

August 15<sup>th</sup>, 2022

Re: Surface Commingling Application – Pool Commingling at Central Tank Battery  
Vaca Draw 20-17 Federal # 5H, 6H, 9H, 10H, 11H, 12H, 29H, 30H, 31H, 43H, 44H, 45H, 57H, 58H,  
59H, 61H, 71H, 72H, & 73H

Dear Sir/Madam:

Enclosed please find Cimarex Energy Co.'s application to commingle production at its Vaca Draw 20-17 Federal West battery in Lea County, NM filed on this date with the New Mexico Oil Conservation Division (NMOCD). We also filed an application with the Bureau of Land Management for a Federal commingling permit.

Any objection or requests for a hearing regarding this application must be submitted to the NMOCD Santa Fe office within 20 days of the date the application is submitted. No action is needed if you do not have any objections.

Pursuant to Statewide Rule 19.15.12.10 (C)(4)(g), Cimarex requests the option to include additional pools and/or leases with the defined parameters set forth in the order for future additions.

Please contact me by phone or email should you have questions.

*Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.*

Sincerely,

*Brittany Gordon*

Regulatory Analyst

432-620-1960

brittany.gordon@coterra.com

 <b>COTERRA</b>	Vaca Draw West CTB Commingle Service List
OWNER	CERTIFIED TRACKING #
MICHAEL A BAKER WELLS FARGO BANK / IRREV TRUST PO BOX 40909 AUSTIN, TX 78704	_9414811898765815566882
SARAH ANNE BAKER WELLS FARGO BANK / IRREV TRUST PO BOX 40909 AUSTIN, TX 78704	_9414811898765815566837
BURNETT PARTNERS PO BOX 50474 MIDLAND, TX 79710	_9414811898765815566875
EOG RESOURCES INC ATTN: DAVID DEAL PO BOX 840321 DALLAS, TX 75284-0321	_9414811898765815566714
KEN & GERI GRIFFIN PROPERTIES LP PO BOX 310 INGRAM, TX 78025	_9414811898765815566752
BRENT JEREMY HONEYMAN 26 MEADOW BROOK PL THE WOODLANDS, TX 77382	_9414811898765815566769
JEB CORY HONEYMAN 2890 FOREST DRIVE CELINA, TX 75009	_9414811898765815566721
LESLIE ROBERT HONEYMAN TRUST LANELL JOY HONEYMAN 406 SKYWOOD CIRCLE MIDLAND, TX 79705	_9414811898765815566707
MARION G LAUGHLIN MILLER ESTATE MARION SULLIVAN SCHREINER 4803 SIERRA MADRE DR SAN ANTONIO, TX 78233	_9414811898765815566790

KIM E LAWSON 4816 ROSEWOOD DR MIDLAND, TX 79707	_9414811898765815566745
MAP2004-OK AN OKLAHOMA GENERAL PARTNERSHIP PO BOX 269031 OKLAHOMA CITY, OK 73126	_9414811898765815566783
OXY USA INC PO BOX 841803 DALLAS, TX 75284-1803	_9414811898765815566738
SANTA ELENA MINERALS IV LP PO Box 470788 Fort Worth, TX 76147	_9414811898765815566776
JAMES D PRESLAR II PO BOX 10902 MIDLAND, TX 79702	_9414811898765815566912
VAN TETTLETON PO BOX 10909 MIDLAND, TX 79702	_9414811898765815566950
CHARLES R WIGGINS PO BOX 10862 MIDLAND, TX 79702	_9414811898765815566967

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
VACA DRAW 20-	31H	3002546115	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	57H	3002546119	NMnm026394	NMnm026394	CIMAREX
VACA DRAW 20-	30H	3002546114	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	71H	3002546160	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	43H	3002546116	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	45H	3002546118	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	58H	3002546120	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	9H	3002544360	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	10H	3002544356	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	5H	3002544150	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	29H	3002546113	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	72H	3002546161	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	6H	3002544151	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	12H	3002544358	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	11H	3002544357	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	73H	3002546122	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	44H	3002546117	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	59H	3002546121	NMNM26394	NMNM26394	CIMAREX

Notice of Intent

**Sundry ID:** 2387160

**Type of Submission:** Notice of Intent

**Type of Action:** Commingling (Surface)

**Date Sundry Submitted:** 05/16/2021

**Time Sundry Submitted:** 07:37

**Date proposed operation will begin:** 06/30/2021

**Procedure Description:** Cimarex Energy respectfully requests approval to surface commingle oil, gas, and water production according to 43 CFR 3173.14 (a)(1)(i) at the Vaca Draw 20-17 Federal facility. The Commingling and Allocation Approval (CAA) will not negatively affect the royalty revenue of the federal government. Cimarex will utilize electronic automated measurements at the wellhead to measure oil, gas, and water separately from each well prior to commingling the production. The non-FMP allocation meters will meet BLM FMP regulations 43 CFR 3174 and 43 CFR 3175. Cimarex proposes that all leases/wells including in the application are capable of production in paying quantities. Please see Exhibit 6 for well test information for each well or anticipated production information for future wells. The Facility Measurement Point (FMP) is located on lease at the Vaca Draw 20-17 Federal facility located in the SWSW of 20-25S-33E Lea County, NM, BLM lease number NMNM026394. The Vaca Draw 20-17 Federal facility was approved for construction in the Vaca Draw 20-17 Federal #5H APD and no additional disturbance is required for the commingling activities. Attachments: Exhibit 1 - Lease Table Exhibit 2 - MASS Serial Register Page Exhibit 3 – Allocation Methodology Example Exhibit 4 – Allocation Methodology Example Details Exhibit 5 - Lease map Exhibit 6 – Well Test Information NMOCD Approval – pending approval

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Exhibit\_3\_Vaca\_Draw\_Alloc\_Methodology\_20210516193631.pdf
- Exhibit\_6\_Vaca\_Draw\_Well\_Test\_Data\_\_20210513145829.pdf
- Exhibit\_5\_Vaca\_Draw\_Lease\_Map\_20210513145815.pdf
- Exhibit\_4\_Vaca\_Draw\_Alloc\_Methodology\_Details\_20210513145757.pdf
- Exhibit\_2\_Vaca\_Draw\_MASS\_Ser\_Reg\_Page\_\_20210513145730.pdf
- Exhibit\_1\_\_Vaca\_Draw\_Lease\_Table\_\_20210513145720.pdf

Conditions of Approval

Specialist Review

Surface\_Commingling\_COA\_20210611154430.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: TERRI STATHEM

Signed on: MAY 16, 2021 07:36 PM

Name: CIMAREX ENERGY COMPANY

Title: Mngr Regulatory Compliance

Street Address: 15 SMITH ROAD, SUITE 3000

City: MidlandState: TX

Phone: (432) 221-6332

Email address: TSTATHEM@LEGACYRESERVES.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: Jonathon W Shepard

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Approved

Disposition Date: 06/11/2021

Signature: Jonathon Shepard

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
VACA DRAW 20-	47H	3002550178		-	CIMAREX
VACA DRAW 20-	75H	3002550180	-	-	CIMAREX
VACA DRAW 20-	74H	3002550179		-	CIMAREX
VACA DRAW 20-	61H	3002547961	NMNM26394	NMNM26394	CIMAREX
VACA DRAW 20-	46H	3002550143		-	CIMAREX

Notice of Intent

Sundry ID: 2683934

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/25/2022

Date proposed operation will begin: 07/25/2022

Type of Action: Commingling (Surface)

Time Sundry Submitted: 03:37

**Procedure Description:** Vaca Draw 20-17 NOI Commingling (Surface) Existing Approved CAA: Sundry ID 2387160 Cimarex respectfully requests approval to amend previously approved surface commingle for oil, gas, and water production according to 43CFR3173.14 (a)(1)(i) at the Vaca Draw 20-17 Federal facility. This sundry is a request to add wells to an existing CAA - Sundry ID#2387160. Attachment Includes: Memo, Sundry ID 2387160 Print Report, & Updated Map. The Commingling and Allocation Approval (CAA) will not impact federal royalty revenue. Cimarex will utilize electronic automated measurements at the wellhead to measure oil, gas, and water separately from each well prior to commingling the production. The non-FMP allocation meters will meet BLM FMP regulations43CFR3174 and 43CFR3175. Cimarex proposes that all leases/wells are capable of production in paying quantities. No change from the approved allocation methodology. The Facility Measurement Point (FMP) is located on lease at the Vaca Draw 20-17 Federal facility located in the SWSW of 20-25S-33E Lea County, NM, BLM lease number NMNM026394. The Vaca Draw 20-17 Federal facility was approved for construction in the Vaca Draw 20-17 Federal #5H APD and no additional disturbance is required for the commingling activities. NMOCD Current Approval - PC-1393 will be amended to add five additional wells.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Vaca\_Draw\_20\_17\_Commingle\_Amendment\_Docs\_20220725153329.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:** BRITTANY GORDON

**Signed on:** JUL 25, 2022 03:37 PM

**Name:** CIMAREX ENERGY COMPANY

**Title:** Regulatory Analyst

**Street Address:** 600 N MARIENFELD STREET

**City:** MIDLAND**State:** TX

**Phone:** (432) 571-7800

**Email address:** BRITTANY.GORDON@COTERRA.COM

Field

**Representative Name:**

**Street Address:**

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

**Phone:**

**Email address:**

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING  
SUBMITTED BY CIMAREX ENERGY COMPANY**

**ORDER NO. PLC-862**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

**FINDINGS OF FACT**

1. Cimarex Energy Company (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7.B. NMAC.
4. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
6. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
7. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools, leases, and wells in accordance with 19.15.12.10.C.(4)(g) NMAC.
8. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease identified in Exhibit A.

### **CONCLUSIONS OF LAW**

9. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.
10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.
11. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
12. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.
13. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
14. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10.C.(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
15. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

### **ORDER**

1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells identified in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

2. This Order supersedes Order PC-1393.
3. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that

produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.

4. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling it with production from another well.
5. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
6. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
7. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
8. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
9. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10.C.(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
10. If a well is not included in Exhibit A but produces from a pool and lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.
11. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
12. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).

13. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**



---

**ADRIENNE E. SANDOVAL  
DIRECTOR**

**DATE:** 11/23/2022

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: PLC-862

Operator: Cimarex Energy Company (215099)

Central Tank Battery: Vaca Draw West Central Tank Battery

Central Tank Battery Location: Unit M, Section 20, Township 25 South, Range 33 East

Gas Title Transfer Meter Location: Unit M, Section 20, Township 25 South, Range 33 East

### Pools

Pool Name	Pool Code
WC-025 G-08 S253235G; LWR BONE SPRIN	97903
WC-025 G-06 S253329D; UPR BONE SPRIN	97994
WC-025 G-09 S253309P; UPR WOLFCAMP	98180

### Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
NMNM 026394	All	17-25S-33E
	All	20-25S-33E

### Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-44150	Vaca Draw 20 17 Federal #5H	W/2 W/2	17-25S-33E	97994
		W/2 W/2	20-25S-33E	
30-025-44151	Vaca Draw 20 17 Federal #6H	W/2 W/2	17-25S-33E	97994
		W/2 W/2	20-25S-33E	
30-025-44360	Vaca Draw 20 17 Federal #9H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-44356	Vaca Draw 20 17 Federal #10H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-44357	Vaca Draw 20 17 Federal #11H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-44358	Vaca Draw 20 17 Federal #12H	B C F G J K N O	17-25S-33E	97903
		B C F G J K N O	20-25S-33E	
30-025-46113	Vaca Draw 20 17 Federal #29H	W/2	17-25S-33E	97994
		W/2	20-25S-33E	
30-025-46114	Vaca Draw 20 17 Federal #30H	W/2	17-25S-33E	97994
		W/2	20-25S-33E	
30-025-46115	Vaca Draw 20 17 Federal #31H	W/2	17-25S-33E	97994
		W/2	20-25S-33E	
30-025-46116	Vaca Draw 20 17 Federal #43H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46117	Vaca Draw 20 17 Federal #44H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	
30-025-46118	Vaca Draw 20 17 Federal #45H	E/2	17-25S-33E	97994
		E/2	20-25S-33E	

30-025-46119	Vaca Draw 20 17 Federal #57H	E/2 E/2	17-25S-33E 20-25S-33E	98180
30-025-46120	Vaca Draw 20 17 Federal #58H	E/2 E/2	17-25S-33E 20-25S-33E	98180
30-025-46121	Vaca Draw 20 17 Federal #59H	E/2 E/2	17-25S-33E 20-25S-33E	98180
30-025-47961	Vaca Draw 20 17 Federal #61H	E/2 E/2	17-25S-33E 20-25S-33E	98180
30-025-46160	Vaca Draw 20 17 Federal #71H	E/2 E/2	17-25S-33E 20-25S-33E	97994
30-025-46161	Vaca Draw 20 17 Federal #72H	E/2 E/2	17-25S-33E 20-25S-33E	97994
30-025-46122	Vaca Draw 20 17 Federal #73H	E/2 E/2	17-25S-33E 20-25S-33E	97994
30-025-50178	Vaca Draw 20 17 Federal #47H	E/2 E/2 E/2 E/2	17-25S-33E 20-25S-33E	97903
30-025-50180	Vaca Draw 20 17 Federal #75H	E/2 E/2 E/2 E/2	17-25S-33E 20-25S-33E	97903
30-025-50179	Vaca Draw 20 17 Federal #74H	E/2 E/2 E/2 E/2	17-25S-33E 20-25S-33E	97903
30-025-50143	Vaca Draw 20 17 Federal #46H	W/2 E/2 W/2 E/2	17-25S-33E 20-25S-33E	97903

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

CONDITIONS  
  
Action 144662

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 144662
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	11/23/2022