

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

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

Form C-104  
Revised August 1, 2011

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 Co. 600 N. Marienfeld St. Suite 600 Midland, TX 7901		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 07/10/2019
<sup>4</sup> API Number 30-025-44304	<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 4H

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
N	20	25S	33E		390	South	1950	West	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
C	17	25S	33E		51	North	2409	East	Lea

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 07/10/2019	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
21778	Sunoco R&M PO Box 2039 Tulsa OK 74102	O
320009	Enlink Midstream Operating, LP 1722 Routh St., Suite 1300 Dallas, TX 75201	G

IV. Well Completion Data

<sup>21</sup> Spud Date 12/28/2018	<sup>22</sup> Ready Date 07/10/2019	<sup>23</sup> TD 22,279'	<sup>24</sup> PBTD 22,207'	<sup>25</sup> Perforations 12,707'-22,182'	<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"	1018'	870 sx - TOC 0		
9-7/8" / 8-3/4"	7-5/8"	12,526'	2530 sx - TOC 0		
6-3/4"	5-1/2" / 5"	11,655' / 22,279'	1160 sx - TOC @ 2530'		

V. Well Test Data

<sup>31</sup> Date New Oil 07/10/2019	<sup>32</sup> Gas Delivery Date 07/10/2019	<sup>33</sup> Test Date 07/15/2019	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 0	<sup>36</sup> Csg. Pressure 3910
<sup>37</sup> Choke Size 22	<sup>38</sup> Oil 905	<sup>39</sup> Water 3209	<sup>40</sup> Gas 2140		<sup>41</sup> Test Method F

<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: 

Printed name:  
Fatima Vasquez

Title:  
Regulatory Analyst

E-mail Address:  
fvasquez@cimarex.com

Date:  
08/28/2019

Phone:  
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

09/06/19

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM26394
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: PAM STEVENS E-Mail: pstevens@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-571-7831	8. Well Name and No. VACA DRAW 20-17 FEDERAL 004H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R33E SESW 390FSL 1950FWL 32.109906 N Lat, 103.596550 W Lon		9. API Well No. 30-025-44304
		10. Field and Pool or Exploratory Area WC-025 G-09 S253309P; UP
		11. County or Parish, State LEA COUNTY, NM

**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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<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 determined that the site is ready for final inspection.

**Completion:**

04/15/2019 Test casing to 1500# for 30 mins. Good test. SWI.

05/17/2019 to

06/17/2019 Perf Wolfcamp @ 12,707' ? 22,182', 990 holes, 0.40'. Frac w/462,975 bbls total fluid &amp; 22,005,344# sand.

07/02/2019 DO plugs.

07/05/2019 Finish DO plugs. Circulate well clean. SI.

07/10/2019 TTP.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #480973 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs</b>	
Name (Printed/Typed) PAM STEVENS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/29/2019

**THIS 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)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

SEP 05 2019

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT  
**RECEIVED**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM26394	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CIMAREX ENERGY COMPANY		Contact: FATIMA VASQUEZ E-Mail: fvasquez@cimarex.com	
3. Address 600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701		3a. Phone No. (include area code) Ph: 432.620.1933	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 20 T25S R33E Mer SESW 390FSL 1950FWL 32.109906 N Lat, 103.596550 W Lon At top prod interval reported below Sec 17 T25S R33E Mer At total depth NENW 51FNL 2409FEL		8. Lease Name and Well No. VACA DRAW 20-17 FEDERAL 4H	
14. Date Spudded 12/28/2018		15. Date T.D. Reached 02/07/2019	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/10/2019		9. API Well No. 30-025-44304	
18. Total Depth: MD 22279 TVD 12373		19. Plug Back T.D.: MD 22207 TVD 12373	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory WC-025 G-09 S253309A; UP	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL		11. Sec., T., R., M., or Block and Survey or Area Sec 20 T25S R33E Mer	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		12. County or Parish LEA	
23. Casing and Liner Record (Report all strings set in well)		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3417 GL		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/10/2019	

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.750 J-55	45.5	0	1018		870		0	
9.875			0	11435					
6.750	5.500 HCP-110	23.0	0	11655					
8.750	7.625 HCL-80	29.7	0	12526		2530		0	
6.750	5.000 HCP-110	18.0	11655	22279		1160		2530	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12189		12707 TO 22182	0.400	990	PRODUCING
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
12707 TO 22182	462.975 BBLS TOTAL FLUID & 22,005,344# SAND

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/10/2019	07/15/2019	24	→	905.0	2140.0	3209.0	45.6		FLOWES FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22		3945.0	→	905	2140	3209	2365	POW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #481062 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	935	935	DOLOMITE/ANHYDRITE: WATER	RUSTLER	935
TOP OF SALT	1298	1298	SALT: BARREN	TOP OF SALT	1298
BELL CANYON	4937	4937	SANDSTONE: WATER	BELL CANYON	4937
CHERRY CANYON	5990	5990	SANDSTONE: WATER	CHERRY CANYON	5990
BRUSHY CANYON	7536	7536	SANDSTONE: WATER	BRUSHY CANYON	7536
BONE SPRING	9032	9032	LIMESTONE: WATER	BONE SPRING	9032
LEONARD SHALE	9087	9087	SHALE: OIL, WATER, GAS	LEONARD SHALE	9087
WOLFCAMP	12189	12189	SHALE: OIL, WATER, GAS	WOLFCAMP	12189

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #481062 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (please print) FATIMA VASQUEZTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 08/29/2019

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***