

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

**HOBBS OCD**

Form C-104  
Revised August 1, 2011

SEP 09 2019 Submit one copy to appropriate District Office

**RECEIVED**

☐ 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 30-025-45290	<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 13H

**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
M	20	25S	33E		330	South	730	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
D	17	25S	33E		50	North	1629	West	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				

**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 12/01/2018	<sup>22</sup> Ready Date 07/10/2019	<sup>23</sup> TD 22,542'	<sup>24</sup> PBDT 22,455'	<sup>25</sup> Perforations 12,800'-22,430'	<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"	1049'	870 sx - TOC 0		
9-7/8" / 8-3/4"	7-5/8"	12,699'	2460 sx - TOC 0		
6-3/4"	5-1/2" / 5"	11,933' / 22,542'	1160 sx - TOC @ 4170'		

**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 07/16/2019	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 0	<sup>36</sup> Csg. Pressure 3695
<sup>37</sup> Choke Size 28	<sup>38</sup> Oil 1306	<sup>39</sup> Water 3953	<sup>40</sup> Gas 2507		<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:  
08/29/2019

Phone:  
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:



Title:

L.M.

Approval Date:

9/9/2019

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**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.**FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20185. Lease Serial No.  
NMNM26394

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
VACA DRAW 20-17 FEDERAL 013H9. API Well No.  
30-025-4529010. Field and Pool or Exploratory Area  
WC-025 G-09 S253309P;U WC11. County or Parish, State  
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY COMPANY

Contact: PAM STEVENS

E-Mail: pstevens@cimarex.com

3a. Address

600 N. MARIENFELD SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-571-7831

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

Sec 20 T25S R33E SWSW 330FSL 730FWL  
32.109739 N Lat, 103.600489 W Lon

## 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:

04/06/2019 Test casing to 1500# for 30 mins. Good test. SWI.  
04/17/2019 to  
05/15/2019 Perf Wolfcamp @ 12,800' - 22,430', 990 holes, 0.40'.  
Frac w/455,713 bbls total fluid & 21,998,071# sand.  
06/30/2019 DO plugs.  
07/02/2019 Finish DO plugs. Circulate well clean. SI.  
07/10/2019 TTP.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #480904 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

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

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**1a. Type of Well** ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

**b. Type of Completion** ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other \_\_\_\_\_

**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 SWSW 330FSL 730FWL 32.109739 N Lat, 103.600489 W Lon  
At top prod interval reported below Sec 17 T25S R33E Mer  
At total depth NWNW 50FNL 1629FWL

**10. Field and Pool, or Exploratory** WC-025 G-09 S253309A; UP  
**11. Sec., T., R., M., or Block and Survey or Area** Sec 20 T25S R33E Mer  
**12. County or Parish** LEA **13. State** NM

**14. Date Spudded** 12/01/2018 **15. Date T.D. Reached** 03/30/2019 **16. Date Completed** ☐ D & A ☒ Ready to Prod. 07/10/2019

**17. Elevations (DF, KB, RT, GL)\*** 3423 GL

**18. Total Depth:** MD 22542 TVD 12514 **19. Plug Back T.D.:** MD 22455 TVD 12514 **20. Depth Bridge Plug Set:** MD TVD

**21. Type Electric & Other Mechanical Logs Run (Submit copy of each)** RCBL-GAMMA **22. Was well cored?** ☒ No ☐ Yes (Submit analysis)  
**Was DST run?** ☒ No ☐ Yes (Submit analysis)  
**Directional Survey?** ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.750 J-55	40.5	0	1049		870		0	
6.750	5.500 HCP-110	23.0	0	11933					
9.875			0	12027					
8.750	7.625 HCL-80	29.7	0	12699		2460		0	
6.750	5.000 HCP-110	18.0	11933	22542		1160		4170	

24. Tubing Record

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

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12194		12800 TO 22430	0.400	990	PRODUCING
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12800 TO 22430	455,713 BBLS TOTAL FLUID & 21,998,071# SAND

28. Production - Interval A

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	07/16/2019	24	→	1306.0	2507.0	3953.0	45.6		FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
28	SI	3695.0	→	1306	2507	3953	1920	POW	

28a. Production - Interval B

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #481217 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**

<b>30. Summary of Porous Zones (Include Aquifers):</b>  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.	<b>31. Formation (Log) Markers</b>
---	------------------------------------

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	7541	7541	SANDSTONE: WATER	BRUSHY CANYON	7541
BONE SPRING	9032	9032	LIMESTONE: WATER	BONE SPRING	9032
AVALON	9317	9317	SHALE: OIL, WATER, GAS	AVALON	9317
WOLFCAMP	12194	12194	SHALE: OIL, WATER, GAS	WOLFCAMP	12194

32. Additional remarks (include plugging procedure):  
 Emailing logs to Jeromy Porter and Chris Walls. All my attachments together with the logs exceeds WIS system's uploading capacity.

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 #481217 Verified by the BLM Well Information System.**  
**For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (please print) FATIMA VASQUEZ Title REGULATORY ANALYST

Signature (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 \*\***



Cimarex Energy Co.

600 N. Marienfeld St. ♦ Suite 600 ♦ Midland, TX 79701 ♦ (432) 620-1938 ♦ Fax (432) 620-1940

*A subsidiary of Cimarex Energy Co. • A NYSE Listed Company • "XEC"*

August 29, 2019

State of New Mexico  
Oil Conservation Division – District 1  
1625 N. French Drive  
Hobbs, NM 88240

Re: Request for Exception to Rule 107J  
Tubingless Completion  
Vaca Draw 20-17 Federal #13H – 30-025-45290  
Lea County, NM

Dear Sir:

Cimarex Energy Co. respectfully requests an exception to NMOCD Rule 107J, well tubing requirements. Cimarex request a tubingless completions for our Vaca Draw 20-17 Federal #13H well to allow for greater flowback after frac stimulation.

Cimarex plans to install production tubing as soon as flow decreases, which should occur within 6 months.

Thank you for your consideration of this request. Please feel free to contact me if you need additional information.

Sincerely,

A handwritten signature in black ink, appearing to be "Fatima Vasquez", with a long horizontal line extending to the right.

Fatima Vasquez  
Regulatory Analyst  
432-620-1933