

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 Co. 600 N. Marienfeld St. Suite 600 Midland, TX 7901		<sup>2</sup> OGRID Number 215099
<sup>4</sup> API Number 30-025-44150		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 08/06/2018
<sup>5</sup> Pool Name WC-025 G-06 S253329D; Upper Bone Spring	<sup>6</sup> Pool Code 97994	
<sup>7</sup> Property Code 319775	<sup>8</sup> Property Name Vaca Draw 20-17 Federal	<sup>9</sup> Well Number 5H

**II. <sup>10</sup>Surface Location**

UI 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**

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> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 08/06/2018	<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
174238	Enterprise Crude Oil LLC 210 Park Ave., Suite 1600 Oklahoma City, OK 73102	G

**IV. Well Completion Data**

V-9978

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBDT	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
02/28/2018	08/06/2018	19,597'	19,549'	9,726'-19,525'	

<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement
17-1/2"	13-3/8"	1052'	875 sx - TOC 0
12-1/4"	9-5/8"	4880'	1745 sx - TOC 0
8-3/4" / 8-1/2"	5-1/2"	13,557'/19,597'	3615 sx - TOC 3,964'

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
08/06/2018	08/06/2018	09/07/2018	24	879	32

<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method
49	1412	4407	2574	FF

<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:  
09/25/2018

Phone:  
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: 10-18-18

Documents pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.*

5. Lease Serial No.  
NMNM26394

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
VACA DRAW 20 17 FEDERAL 5H

2. Name of Operator  
CIMAREX ENERGY COMPANY

Contact: FATIMA VASQUEZ  
E-Mail: fvasquez@cimarex.com

9. API Well No.  
30-025-44150

3a. Address  
600 N. MARIENFELD ST.  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432.620.1933

10. Field and Pool or Exploratory Area  
WC-025 G-06 S253329D;U BS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T25S R33E SWSW 390FSL 610FWL  
32.109904 N Lat, 103.600878 W Lon

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 recomplate 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 recomplate 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.

05/30/2018 Log TOC @ 3,964' (CBL).  
06/03/2018 Test csg to 9,946 psi for 30 minutes. OK. SWI.  
06/16/2018 to  
07/15/2018 Perf Bone Spring @ 9,726'-19,525', 1025 holes, .41". Frac w/ 415,175 bbls total fluid & 20,516,996# sand.  
07/22/2018 DO plugs.  
07/23/2018 Continue DO plugs & CO to PBTD. Pressure drop 1400 psi. Circulate two bottoms up.  
07/24/2018 Returns clean, inspecting tool string fish left in hole.  
7/26/2018  
7/28/2018 Fishing.  
7/29/2018 RIH w/ 2-3/8" CT Unit & BHA. Tag @ 19,419' CTD, circ @ 4800 psi, lost 1350 psi. POH.  
7/30/2018 No fish in short catch. RD coil unit.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #436910 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/25/2018

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

Approved By \_\_\_\_\_  
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.

Title \_\_\_\_\_  
Office \_\_\_\_\_

*Documents pending BLM approvals will subsequently be reviewed and scanned*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly to make 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 \*\***

**Additional data for EC transaction #436910 that would not fit on the form**

**32. Additional remarks, continued**

7/31/2018 Flowback well.

8/03/2018 RIH w/ 3-1/2" 9.3# P-110 RTS-8 tbg, set @ 9,478' & pkr set @ 9,458'. Pump 178 bbls 2% KCL & corrosion inhibitor fluid. SI well & secure.

8/04/2018 Pressure up 2000 psi, held good. Break disc, dropped 400 psi. Final pressure 1600 psi. SI.

8/05/2018 Flowback well.

8/06/2018 Turn to production.

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**

5. Lease Serial No.  
NMNM26394

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
CIMAREX ENERGY COMPANY Contact: FATIMA VASQUEZ  
E-Mail: fvasquez@cimarex.com

8. Lease Name and Well No.  
VACA DRAW 20 17 FEDERAL 5H

3. Address 600 N MARIENFELD ST SUITE 600  
MIDLAND, TX 79701 3a. Phone No. (include area code)  
Ph: 432.620.1933

9. API Well No.  
30-025-44150

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface Sec 20 T25S R33E Mer  
SWSW 390FSL 610FWL 32.109904 N Lat, 103.600878 W Lon  
At top prod interval reported below  
Sec 17 T25S R33E Mer  
At total depth NWNW 330FNL 384FWL

10. Field and Pool, or Exploratory  
WC-025 G-06 S253329D; BS

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  
02/28/2018 15. Date T.D. Reached  
03/28/2018 16. Date Completed  
 D & A  Ready to Prod.  
08/06/2018

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

18. Total Depth: MD 19597 TVD 9978 19. Plug Back T.D.: MD 19549 TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8.750				13557					
17.500	13.375 J-55	48.0	0	1052		875		0	
8.500	5.500 P-110	20.0	0	19597		3615		3964	
12.250	9.625 J-55	40.0	38	4880		1745		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.500	9478	9458						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9023		9726 TO 19525		1025	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9726 TO 19525	415,175 BBLs FLUID & 20,516,996# 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
08/06/2018	09/07/2018	24	→	1412.0	2574.0	4407.0	49.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
49	879 SI	32.0	→	1412	2574	4407	1823	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 St	
			→						

Documents pending BLM approvals will subsequently be reviewed and scanned

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
BONE SPRING	9023		SHALE; OIL & GAS	RUSTLER TOP OF SALT	950 1270

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 #436974 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 09/25/2018

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 \*\***