

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>3</sup> Reason for Filing Code/ Effective Date NW / 07/27/18
<sup>4</sup> API Number 30-025-44151	<sup>5</sup> Pool Name WC-025 G-06 S253329D; Wildcat 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 6H

**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		390	South	630	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	385	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				

**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

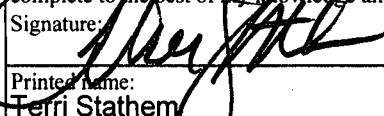
**IV. Well Completion Data**

<sup>21</sup> Spud Date 04/02/18	<sup>22</sup> Ready Date 07/27/18	<sup>23</sup> TD 18922	<sup>24</sup> PBDT 18922	<sup>25</sup> Perforations 9443-18859	<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		
17 1/2	13 3/8	1048	875 sx -TOC 0		
12 1/4	9 5/8	4914	1945 sx -TOC 0		
8-3/4"	5-1/2"	18915	3380 sx - TOC 0		
Tbg	3-1/2"	8714			

**V. Well Test Data**

<sup>31</sup> Date New Oil 08/06/2018	<sup>32</sup> Gas Delivery Date 08/06/2018	<sup>33</sup> Test Date 9/7/18	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 832	<sup>36</sup> Csg. Pressure 0
<sup>37</sup> Choke Size 47	<sup>38</sup> Oil 916	<sup>39</sup> Water 4787	<sup>40</sup> Gas 1400		<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:  
Terri Stathem

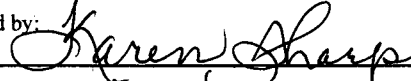
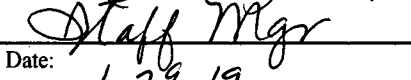
Title:  
Regulatory Manager

E-mail Address:  
tstathem@cimarex.com

Date:  
1/23/19

Phone:  
(432) 620-1936

OIL CONSERVATION DIVISION

Approved by:   
Title:   
Approval Date: 1-29-19

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.*

**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
3a. Address 600 N. MARIENFELD ST, STE 600 MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-620-1936		8. Well Name and No. VACA DRAW 20-17 FEDERAL 6H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R33E SWSW 390FSL 630FWL		9. API Well No. 30-025-44151
		10. Field and Pool or Exploratory Area BONE SPRING WILDCAT
		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 checked="" 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"/> 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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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.

05/31/18 Test csg to 500# for 30 mins. Good test.  
06/01/18 Press test - 9954# for 30 mins. Chart - good test.  
Perf 18647-18849'. SI pending frac.  
06/18/18 to  
7/15/18 Frac Bone Spring @ 9443-18859', 975 holes, .41.  
Frac w/ 399061 bbls total fluid & 19361177# sand.  
SI pending drill out.  
07/25/18 to  
7/27/18 Drill out plugs. Flowback.  
08/02/18 Install & monitor pkr @ 8714'.  
08/06/18 RIH w/ 3-1/2" tbg & set @ 8714'. Turn well to production.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #451441 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs</b>	
Name (Printed/Typed) <b>TERRI STATHEM</b>	Title <b>MANAGER REGULATORY COMPLIANCE</b>
Signature (Electronic Submission)	Date <b>01/23/2019</b>

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

Approved By _____	Title _____
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 an States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction	

Documents pending BLM approvals will  
subsequently be reviewed and scanned

(Instructions on page 2)

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

**OR-SUBMITTED \*\***

**Additional data for EC transaction #451441 that would not fit on the form**

**32. Additional remarks, continued**

Revised - Replace 1/18/19 sundry

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: TERRI STATHEM E-Mail: tstathem@cimarex.com		
3. Address 600 N. MARIENFELD ST, STE 600 MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-620-1936		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW 390FSL 630FVL At top prod interval reported below Sec 20 T25S R33E Mer SWSW 390FSL 630FVL At total depth Sec 17 T25S R33E Mer NWNW 330FNL 385FVL			8. Lease Name and Well No. VACA DRAW 20-17 FEDERAL 6H		
14. Date Spudded 04/02/2018			15. Date T.D. Reached 04/23/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/27/2018			9. API Well No. 30-025-44151		
18. Total Depth: MD 18922 TVD 9840			19. Plug Back T.D.: MD 18874 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory WILDCAT BONE SPRING		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			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)		

## 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
17.500	13.375 J55	48.0	0	1048		875		0	0
12.250	9.625 J55	40.0	0	4914		1945		0	0
8.750	5.500 P110	20.0	0	18915		3380		0	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	8714	8714						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9443	18859	9443 TO 18859	0.410	975	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
9443 TO 18859	399061 BBLs TOTAL FLUID; 19361177# 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	→	916.0	1400.0	4787.0	46.6		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
47	832	0.0	→	916	1400	4787	1528	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. 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 #451442 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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.)  
CAPTURED

## 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
LAMAR	4909	4937		LAMAR	4909
DELAWARE	4937	5990		DELAWARE	4937
CHERRY CANYON	5990	7565		CHERRY CANYON	5990
BRUSHY CANYON	7565	9032		BRUSHY CANYON	7565
BONE SPRING	9032	9268		BONE SPRING	9032

## 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 #451442 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (please print) TERRI STATHEMTitle MANAGER REGULATORY COMPLIANCESignature (Electronic Submission)Date 01/23/2019

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 \*\***