

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

RECEIVED

JUL 03 2019

DISTRICT II-ARTESIA O.C.D.

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 / 06/18/2019
<sup>4</sup> API Number 30-015-45436	<sup>5</sup> Pool Name WC-015 G-04 S262625B; Bone Spring	<sup>6</sup> Pool Code 98018
<sup>7</sup> Property Code 40432	<sup>8</sup> Property Name Cabrera 34 Federal	<sup>9</sup> Well Number 1H

**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
A	34	26S	27E		1110	South	270	West	Eddy

**<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
4	34	26S	27E		377	South	104	West	Eddy

<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
F	P	06/18/2019			

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
33479	HollyFrontier Refining and Marketing 2828 North Harwood, Suite 1300 Dallas, TX 75201	O
412019	Hunter Gas Gathering, Inc. 202 S. Cheyenne Ave., Suite 1000 Tulsa, OK 74103	G

**IV. Well Completion Data**

V-7599

<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
01/31/2019	06/18/2019	12,345'	12,342'	7447'-12,317'	
<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"	375'	500 sx - TOC 0		
12-1/4"	9-5/8"	2194'	870 sx - TOC 0		
8-3/4"	5-1/2"	12,345'	1597 sx - TOC 0		
Tubing	2-7/8"	7197'			

**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
06/18/2019	06/18/2019	06/30/2019	24	239	990
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
38	537	1615	967	P	

<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: 

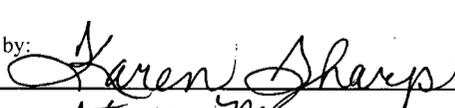
Printed name:  
Fatima Vasquez

Title:  
Regulatory Analyst

E-mail Address:  
fvasquez@cimarex.com

Date:  
07/01/2019

Phone:  
(432) 620-1933

OIL CONSERVATION DIVISION	
Approved by:	
Title:	Staff Mgr
Approval Date:	7-18-19
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.  
NMNM117116

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.  
CABRERA 34 FEDERAL 1H

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

9. API Well No.  
30-015-45436

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

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

10. Field and Pool or Exploratory Area  
BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 34 T26S R27E SENE 1110FSL 270FEL  
32.003054 N Lat, 104.170095 W Lon

11. County or Parish, State  
EDDY 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.

Cimarex completed this well as follows:

- 05/13/2019 Ran logs, prod csg TOC @ surface.
- 05/14/2019 Test csg to 6800# for 30 min. Good test. SWI.
- 05/26/2019 to
- 06/05/2019 Perf Bone Spring @ 7447' - 12,317', 700 holes, .41". Frac w/ 253,234 bbls total fluid & 12,625,699# sand.
- 06/06/2019 DO plugs.
- 06/07/2019 Finish DO plugs. Circulate well clean. SI.
- 06/13/2019 RIH w/ 2-7/8" 6.5# L-80 8rd EUE prod tbg, GLV, & pkr and set @ 7197'.
- 06/18/2019 TTP.

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DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #471464 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) **FATIMA VASQUEZ** Title **REGULATORY ANALYST**

Signature (Electronic Submission) Date **07/01/2019**

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

Approved By \_\_\_\_\_ Title \_\_\_\_\_  
Office \_\_\_\_\_

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.

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 knowing 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 \*\***

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Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DISTRICT II-ARTESIA O.C.D.

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well [X] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b. Type of Completion [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr.
2. Name of Operator CIMAREX ENERGY COMPANY Contact: FATIMA VASQUEZ
3. Address 600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701
4. Location of Well (Report location clearly and in accordance with Federal requirements)\*
14. Date Spudded 01/31/2019 15. Date T.D. Reached 02/11/2019 16. Date Completed 06/18/2019
18. Total Depth: MD 12345 TVD 7599 19. Plug Back T.D.: MD 12342 TVD 7599 20. Depth Bridge Plug Set: MD TVD

23. Casing and Liner Record (Report all strings set in well)
Table with columns: 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

24. Tubing Record
Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD)

25. Producing Intervals 26. Perforation Record
Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.
Table with columns: Depth Interval, Amount and Type of Material

28. Production - Interval A
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

28a. Production - Interval B
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

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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
BELL CANYON	2251	3258	OIL, GAS, WATER	TOPS SALT	1599
CHERRY CANYON	3258	4426	OIL, GAS, WATER	BASE SALT	2077
BRUSHY CANYON	4426	5914	OIL, GAS, WATER	BELL CANYON	2251
BONE SPRING	5914	6064	OIL, GAS, WATER	CHERRY CANYON	3258
BONE SPRING "A" SHALE	6064	6549	OIL, GAS, WATER	BRUSHY CANYON	4426
BONE SPRING "C" SHALE	6549	6851	OIL, GAS, WATER	BRUSHY CANYON LOWER	5696
1ST BONE SPRING (SS)	6851	7324	OIL, GAS, WATER	BONE SPRING	5914
2ND BONE SPRING (SS)	7324		OIL, GAS, WATER		

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 #471617 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) FATIMA VASQUEZ Title REGULATORY ANALYST

Signature (Electronic Submission) Date 07/01/2019

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 \*\***