

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

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 30-015-43173	<sup>5</sup> Pool Name Hay Hollow; Bone Spring	<sup>6</sup> Pool Code 30215
<sup>7</sup> Property Code 40432	<sup>8</sup> Property Name Cabrera 34 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
A	34	26S	27E		1110	South	290	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
D	34	26S	27E		403	North	101	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 06/18/2019	<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

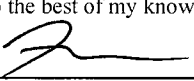
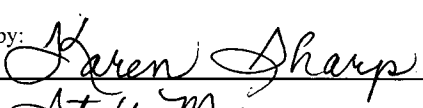
<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
33479	HollyFrontier Refining and Marketing 2828 North Harwood, Suite 1300 Dallas, TX 75201	O
412019	Hunter Gas Gathering, Inc. 202 S. Cheyenne Ave., Suite 1000 Tulsa, OK 74103	G

IV. Well Completion Data

<sup>21</sup> Spud Date 02/15/2019	<sup>22</sup> Ready Date 06/18/2019	<sup>23</sup> TD 12,316'	<sup>24</sup> PBTB 12,294'	<sup>25</sup> Perforations 7450'-12,262'	<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"	375'	500 sx - TOC 0		
12-1/4"	9-5/8"	2213'	870 sx - TOC 0		
8-3/4"	5-1/2"	12,296'	2162 sx - TOC 0		
Tubing	2-7/8"	7175'			

V. Well Test Data

<sup>31</sup> Date New Oil 06/18/2019	<sup>32</sup> Gas Delivery Date 06/18/2019	<sup>33</sup> Test Date 06/30/2019	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 619	<sup>36</sup> Csg. Pressure 1.133
<sup>37</sup> Choke Size 38	<sup>38</sup> Oil 722	<sup>39</sup> Water 1800	<sup>40</sup> Gas 1223		<sup>41</sup> Test Method 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: 		OIL CONSERVATION DIVISION	
Printed name: Fatima Vasquez		Approved by: 	
Title: Regulatory Analyst		Title: Staff Mgr	
E-mail Address: fvasquez@cimarex.com		Approval Date: 7-18-19	
Date: 07/01/2019	Phone: (432) 620-1933	Pending BLM approvals will subsequently be reviewed and scanned	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 03 2019

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 District II-Artesian O.C.D. abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMNM117116

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

CABRERA 34 FEDERAL 4H

2. Name of Operator

CIMAREX ENERGY COMPANY

Contact: FATIMA VASQUEZ

E-Mail: fvasquez@cimarex.com

9. API Well No.

30-015-43173

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

HAY HOLLOW; BONE SPRING

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

Sec 34 T26S R27E NENE 1110FSL 290FEL  
32.003054 N Lat, 104.170139 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 recomple 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 recomple 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:

05/14/2019 Test csg to 6800# for 30 min. Good test. SWI.

05/26/2019 to

06/05/2019 Perf Bone Spring @ 7450' - 12,262', 700 holes, .41". Frac w/ 252,837 bbls total fluid &amp; 12,609,037# sand.

06/08/2019 DO plugs.

06/09/2019 Finish DO plugs. Circulate well clean. SI.

06/14/2019 RIH w/ 2-7/8" 6.5# L-80 8rd EUE prod tbg, GLV, &amp; pkr and set @ 7175'.

06/18/2019 TTP.

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

**Electronic Submission #471723 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 \_\_\_\_\_

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 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 \*\***Pending BLM approvals will  
subsequently be reviewed  
and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 03 2019

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

## WELL COMPLETION OR RECOMPLETION REPORT

DISALLOWED  
ARTESIA O.C.D.

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. NMNM117116		
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			7. Unit or CA Agreement Name and No.		
3. Address 600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701			8. Lease Name and Well No. CABRERA 34 FEDERAL 4H		
3a. Phone No. (include area code) Ph: 432-620-1933			9. API Well No. 30-015-43173		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 1110FSL 290FEL 32.003054 N Lat, 104.170139 W Lon At top prod interval reported below Sec 34 T26S R27E Mer At total depth NWNW 403FNL 101FWL			10. Field and Pool, or Exploratory HAY HOLLOW; BONE SPRING		
			11. Sec., T., R., M., or Block and Survey or Area Sec 34 T26S R27E Mer		
			12. County or Parish EDDY		
			13. State NM		
14. Date Spudded 02/15/2019		15. Date T.D. Reached 02/25/2019	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/18/2019		
17. Elevations (DF, KB, RT, GL)* 3233 GL					
18. Total Depth: MD 12316 TVD 7615		19. Plug Back T.D.: MD 12294 TVD		20. Depth Bridge Plug Set: MD TVD	
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 J-55	48.0	0	375		500		0	
12.250	9.625 J-55	36.0	0	2213		870		0	
8.750	5.500 L-80	17.0	0	12296		2162		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)
2.875	7175	7175						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	5914		7450 TO 12262	0.410	700	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7450 TO 12262	252,837 TOTAL FLUIDS & 12,609,037# 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
06/18/2019	06/30/2019	24	→	722.0	1223.0	1800.0	43.6		GAS LIFT
Choke Size	Tbg. Press. Flwg. 619 SI	Csg. Press. 1133.0	24 Hr. Rate →	Oil BBL 722	Gas MCF 1223	Water BBL 1800	Gas:Oil Ratio 1694	Well Status 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		

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

ELECTRONIC SUBMISSION #471721 VERIFIED BY THE BLM WELL INFORMATION

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

OPERATOR-SUBMITTED \*\*

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
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 #471721 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 \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***