

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

RECEIVED

JUL 03 2019

SUBMIT ONE COPY TO APPROPRIATE DISTRICT OFFICE
DISTRICT II-ARTESIA O.C.D.

Form C-104
Revised August 1, 2011

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. 600 N. Marienfeld St. Suite 600 Midland, TX 7901		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW / 06/18/2019
⁴ API Number 30-015-45436	⁵ Pool Name WC-015 G-04 S262625B; Bone Spring	⁶ Pool Code 98018
⁷ Property Code 40432	⁸ Property Name Cabrera 34 Federal	⁹ Well Number 1H

II. ¹⁰ Surface Location

UI 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

¹¹ 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

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 06/18/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ 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

²¹ Spud Date 01/31/2019	²² Ready Date 06/18/2019	²³ TD 12,345'	²⁴ PBTD 12,342'	²⁵ Perforations 7447'-12,317'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ 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

³¹ Date New Oil 06/18/2019	³² Gas Delivery Date 06/18/2019	³³ Test Date 06/30/2019	³⁴ Test Length 24	³⁵ Tbg. Pressure 239	³⁶ Csg. Pressure 990
³⁷ Choke Size 38	³⁸ Oil 537	³⁹ Water 1615	⁴⁰ Gas 967		⁴¹ Test Method P

⁴² 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:

Karen Sharp

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 MANAGEMENTFORM 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

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

2. Name of Operator

CIMAREX ENERGY COMPANY

Contact: FATIMA VASQUEZ

E-Mail: fvasquez@cimarex.com

8. Well Name and No.

CABRERA 34 FEDERAL 1H

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 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 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.

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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JUL 03 2019

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

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

Pending BLM approvals will
subsequently be reviewed
and scannedTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd

(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 <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 1H		
3a. Phone No. (include area code) Ph: 432-620-1933			9. API Well No. 30-015-45436		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 1110FSL 270FEL 32.003054 N Lat, 104.170095 W Lon At top prod interval reported below Sec 34 T26S R27E Mer At total depth SWNW Lot 4 377FSL 104FWL			10. Field and Pool, or Exploratory WC-015 G-04 S262625B; BS		
14. Date Spudded 01/31/2019			11. Sec., T., R., M., or Block and Survey or Area Sec 34 T26S R27E Mer		
15. Date T.D. Reached 02/11/2019			12. County or Parish EDDY		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/18/2019			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3233 GL			18. Total Depth: MD 12345 TVD 7599		
19. Plug Back T.D.: MD 12342 TVD 7599			20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL			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	2194		870		0	
8.750	5.500 L-80	17.0	0	12345		1597		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	7197	7197						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	5914		7447 TO 12317	0.410	700	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7447 TO 12317	253,234 TOTAL FLUIDS & 12,625,699# 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	→	537.0	967.0	1615.0	43.6		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
38	239	990.0	→	537	967	1615	1801	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 #471617 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Name (please print) FATIMA VASQUEZTitle 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.

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