

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

RECEIVED

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submitted on 12/18/2018 to appropriate District Office

DEC 24 2018
DISTRICT II-ARTESIA O.C.D. AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | | |
|---|---|--|
| ¹ Operator name and Address Cimarex Energy Co. 600 N. Marienfeld, Ste 600 Midland, Tx 79701 | | ² OGRID Number 215099 |
| | | ³ Reason for Filing Code/ Effective Date NW 09/27/2018 |
| ⁴ API Number 30-015-45039 | ⁵ Pool Name WC-015 G-04 S262625B; Bone Spring | ⁶ Pool Code 98018 |
| ⁷ Property Code 40412 | ⁸ Property Name Foxx 31 Federal Com | ⁹ Well Number 1H |

II. ¹⁰Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 31 | 26S | 27E | | 525 | North | 270 | East | 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 |
|------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| D I | 31 | 26S | 27E | | 404 | North | 104 | West | Eddy |
| ¹² Lse Code | ¹³ Producing Method Code GL | ¹⁴ Gas Connection Date 9/30/2018 | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date | | | | |

III. Oil and Gas Transporters

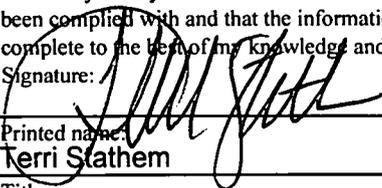
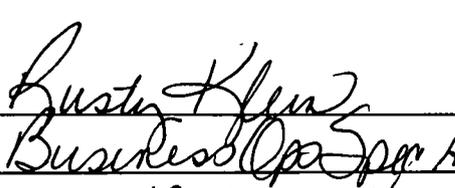
| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
|---------------------------------|---|---------------------|
| 33479 | Holly Frontier Refining & Marketing, LLC 1700 S. Union Ave Tulsa OK 74107 | O |
| 36785 | DCP Midstream 370 17th St., Ste 2500 Denver, CO | G |
| | | |
| | | |
| | | |
| | | |

IV. Well Completion Data

| ²¹ Spud Date | ²² Ready Date | ²³ TD | ²⁴ PBSD | ²⁵ Perforations | ²⁶ DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 08/09/2018 | 09/27/2018 | 12,112' / 12,110' | 12,112' | 7,280'-12,062' | |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17-1/2" | 13 3/8" | 375' | 500 sx -TOC @ 0 - cur | | |
| 12-1/4" | 9-5/8" | 1,898' | 775 sx -TOC @ 0 - cur | | |
| 8 3/4" | 5-1/2" | 12,112' | 2430 sx - TOC @ 0 - cur | | |
| | 2-7/8" | 6,771' | | | |

V. Well Test Data

| ³¹ Date New Oil | ³² Gas Delivery Date | ³³ Test Date | ³⁴ Test Length | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 09/27/2018 | 9/30/2018 | 10/24/2018 | 24 | 1467 | 848 |
| ³⁷ Choke Size | ³⁸ Oil | ³⁹ Water | ⁴⁰ Gas | ⁴¹ Test Method | |
| 62 | 982 | 1713 | 4992 | 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: Terri Stathem Title: Regulatory Compliance E-mail Address: tstathem@cimarex.com Date: 12/18/18 Phone: 4326201936 | OIL CONSERVATION DIVISION | |
| | Approved by: |  |
| | Title: | Business Operator |
| | Approval Date: | 12-26-2018 |
| | Pending BLM approvals will subsequently be reviewed and scanned | |

DEC 24 2018

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

DISTRICT II-ARTESIA O.C.D.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. MNM117116

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. []
Other _____

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.

2. Name of Operator CIMAREX ENERGY COMPANY Contact: TERRI STATHEM E-Mail: tstathem@cimarex.com

8. Lease Name and Well No. FOX 31 FEDERAL 1H

3. Address 600 N. MARIENFELD ST, STE 600 MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 432-620-1936

9. API Well No. 30-015-45039

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NENE 525FNL 270FEL
At top prod interval reported below NENE 525FNL 270FEL
At total depth NWNW Lot 1 404FNL 104FEL

10. Field and Pool, or Exploratory BONE SPRING
11. Sec., T., R., M., or Block and Survey or Area Sec 31 T26S R27E Mer
12. County or Parish EDDY 13. State NM

14. Date Spudded 08/09/2018 15. Date T.D. Reached 08/22/2018 16. Date Completed [] D & A [X] Ready to Prod. 09/24/2018

17. Elevations (DF, KB, RT, GL)* 3209 GL

18. Total Depth: MD 12112 TVD 7270 19. Plug Back T.D.: MD 12112 TVD 7270 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE
22. Was well cored? [X] No [] Yes (Submit analysis)
Was DST run? [X] No [] Yes (Submit analysis)
Directional Survey? [] No [X] Yes (Submit analysis)

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)

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

Pending BLM approvals will subsequently be reviewed and scanned 12-26-18

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 |
| BELL CANYON | 1971 | 3011 | | SALADO | 1323 |
| CHERRY CANYON | 3011 | 4144 | | CASTILLE | 1795 |
| BRUSHY CANYON | 4144 | 5560 | | BELL CANYON | 1971 |
| BONE SPRING | 5560 | 12112 | | CHERRY CANYON | 3011 |
| | | | | BRUSHY CANYON | 4144 |
| | | | | BONE SPRING | 5560 |

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 #448333 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission) Date 12/18/2018

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 ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 | | 5. Lease Serial No. NMNM117116 |
| | | 6. If Indian, Allottee or Tribe Name |
| | | 7. If Unit or CA/Agreement, Name and/or No. |
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | 8. Well Name and No. FOXX 31 FEDERAL 1H | |
| 2. Name of Operator CIMAREX ENERGY COMPANY | Contact: TERRI STATHEM E-Mail: tstathem@cimarex.com | 9. API Well No. 30-015-45039 |
| 3a. Address 600 N MARIENFELD ST STE 600 MIDLAND, TX 79701 | 3b. Phone No. (include area code) Ph: 432-620-1936 | 10. Field and Pool or Exploratory Area BONE SPRING |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T26S R27E NENE 525FNL 270FEL | | 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 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.

Completion:

9-7-18 Test csg to 530# for 30 mins. OK. SWI.
 9-8-18 Press test to 6600# for 30 mins. Ok.
 9-11-18 to
 9-16-18 Perf Bone Spring @ 7280-12062', 627 holes .41. Frac w/ 11911500# sand & 232561 gals fluid.
 9-19-18 to
 9-22-18 DO plugs to TD @ 12112'.
 9-24-18 Flowback well.
 9-25-18 SI pending tubing & GLV
 9-26-18 TIH w/ 2-7/8" tbg, pkr, & GLV & set @ 6771'.
 9-27-18 Turn well to production

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DEC 24 2018

DISTRICT II-ARTESIA O.C.D.

| | |
|---|-------------------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #448317 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad | |
| Name (Printed/Typed) TERRI STATHEM | Title MANAGER REGULATORY COMPLIANCE |
| Signature (Electronic Submission) | Date 12/18/2018 |

THIS SPACE FOR FEDERAL OR STATE OFFICIAL SIGNATURE

| | |
|---|--------------|
| 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 scanned
12-26-18

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