

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

| | | |
|--|---|--|
| ¹ Operator name and Address Cimarex Energy Co. 600 N. Marienfeld Street, Suite 600 Midland, TX 79701 | | ² OGRID Number 215099 |
| | | ³ Reason for Filing Code/ Effective Date NW: 1-30-17 |
| ⁴ API Number 30 - 015 - 42180 | ⁵ Pool Name WC-015 G-04 S262625B; Bone Spring | ⁶ Pool Code 98018 |
| ⁷ Property Code 40358 | ⁸ Property Name Klein 33 Federal Com | ⁹ Well Number 7H |

II. ¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|------------------------|------------------------|----------------|
| UL or lot no. 2 | Section 33 | Township 26S | Range 27E | Lot Idn | Feet from the 290' | North/South Line South | Feet from the 2560' | East/West line East | County Eddy |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|------------------------|------------------------|----------------|

¹¹ Bottom Hole Location

| | | | | | | | | | |
|-----------------------------|---|---|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|------------------------|------------------------|----------------|
| UL or lot no. C | Section 28 | Township 26S | Range 27E | Lot Idn | Feet from the 330' | North/South line North | Feet from the 2648' | East/West line West | County Eddy |
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 1/30/17 | 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 |
| 21778 | Sunoco Inc. R & M P O Box 2039; Tulsa OK | |
| 226737 | DCP Midstream. 370 17th St., Ste 2500 Denver CO | |
| | NM OIL CONSERVATION ARTESIA DISTRICT MAR 17 2017 RECEIVED | |

IV. Well Completion Data

| | | | | | |
|------------------------------------|--|---------------------------------|------------------------------|---|-----------------------|
| ²¹ Spud Date 9-27-16 | ²² Ready Date 1-30-2016 2017 | ²³ TD 14097' 7489 | ²⁴ PBDT 14094' | ²⁵ Perforations 7343-14070' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17 1/2" | 13 3/8" | 400' | 500 | | |
| 12 1/4" | 9 5/8" | 1937' | 800 | | |
| 8 3/4"/8 1/2" | 5 1/2" | 14097' | 2775 TOC @ 1790' | | |
| | 2 3/8" | 6761' | | | |

V. Well Test Data

| | | | | | |
|--|--|-------------------------------------|---------------------------------|------------------------------------|----------------------------------|
| ³¹ Date New Oil 01/30/2017 | ³² Gas Delivery Date 1/30/2017 | ³³ Test Date 2/4/2017 | ³⁴ Test Length 24 | ³⁵ Tbg. Pressure 925 | ³⁶ Csg. Pressure 0 |
| ³⁷ Choke Size 34 | ³⁸ Oil 775 | ³⁹ Water 1020 | ⁴⁰ Gas 1987 | ⁴¹ Test Method | |

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: Hope Knauls

Printed name:
Hope Knauls

Title:
Regulatory

E-mail Address:
hknauls@cimarex.com

Date: 3/14/2017 Phone: 918-295-1799

OIL CONSERVATION DIVISION

Approved by: Raymond M. Bodany

Title: Geologist

Approval Date: 3-21-2017

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. NMNM114350 |
| 2. Name of Operator CIMAREX ENERGY COMPANY | | 6. If Indian, Allottee or Tribe Name |
| Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3a. Address 202 S. CHEYENNE AVE, SUITE 1000 TULSA, OK 74103 | 3b. Phone No. (include area code) Ph: 918-560-7060 | 8. Well Name and No. KLEIN 33 FEDERAL COM 7H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T26S R27E SWSE 290FSL 2560FEL | | 9. API Well No. 30-015-42180 |
| | | 10. Field and Pool or Exploratory Area BONE SPRING |
| | | 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 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 recompleat 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 recompleat 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.

Drilling operations:

9/27/16 Spud well. TD 17-1/2" hole @ 400'. RIH w/ 13-3/8" 48# J55 STC csg & set @ 400'.
9/28/16 Mix & pump tail 500 sx class c 14.8 ppg, 1.33 yld. Circ 55 bbls to surf. WOC 8+ hrs.
9/29/16 test csg to 1500 psi for 30 min. OK. TD 12-1/4" hole @ 1937'. RIH w/ 9-5/8" J55, 36# LTC csg & set @ 1937'.
10/1/16 Mix & pump lead: 475 sx Class C, 13.5 ppg, 1.81 yld, Tail: 325 sx Class C, 14.8 ppg, 1.33 yld. Circulated 239 sx to surface. WOC 18+ hrs.
10/2/16 Test csg to 1500 psi for 30 min. OK
10/5/16 TD 8-3/4" vertical hole @ 6864'. RIH w/ curve assembly
10/8/16 TD 8-3/4" curve @ 7705'. TOH w/ curve assembly, TIH w/ lateral assembly. KO Lateral
10/12/16 TD 8-1/2" hole @ 14097'.

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 17 2017

RECEIVED

| | |
|---|--------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #363500 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad | |
| Name (Printed/Typed) ARICKA EASTERLING | Title REGULATORY ANALYST |
| Signature (Electronic Submission) | Date 01/11/2017 |

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 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 ****

Pending BLM approvals will
subsequently be reviewed
and scanned

Additional data for EC transaction #363500 that would not fit on the form

32. Additional remarks, continued

10/14/16 POOH & LDDP. RIH w/ 5-1/2 17# L-80 BTC/LTC csg & set @ 14097'. Mix & pump lead 875 sx, 11 ppg, 2.79 yld, Tail 1900 sx, Class H, 14.5 ppg, 1.2 yld. TOC @ 1752'
10/15/16 RD & Release Rig.

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.
NMNM114350

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
KLEIN 33 FEDERAL COM 7H9. API Well No.
30-015-4218010. Field and Pool or Exploratory Area
BONE SPRING11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
CIMAREX ENERGY COMPANYContact: TERRI STATHEM
E-Mail: tstatthem@cimarex.com3a. Address
202 S. CHEYENNE AVE, STE 1000
TULSA, OK 741033b. Phone No. (include area code)
Ph: 432-620-19364. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 33 T26S R27E SWSE 290FSL 2560FEL**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Drilling Operations

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 recompleat 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 recompleat 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.

12/22/16 Test csg to 7500# for 30 mins & chart. OK.

12/26/16 Run RCBL - TOC @ 1790'.

12/27/16 to

01/13/17 Perf Bone Spring @ 7343-14070'. Frac Bone Spring w/ 148044 bbls total fluid & 9870644#

sand.

01/14/17 SI pending drillout.

01/17/17 to

01/19/17 DO plugs & CO to PBTD @ 14094'.

01/20/17 Flowback well

01/22/17 SI pending tbg installation.

01/29/17 RIH w/ 2-3/8 tbg & GLV & set @ 6875'.

01/30/17 Turn well to production.

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 17 2017

RECEIVED

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

**Electronic Submission #369687 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 03/14/2017

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 ****

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 17 2017

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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. NMNM114350 | |
| 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: HOPE KNAULS E-Mail: hknaults@cimarex.com | | 7. Unit or CA Agreement Name and No. | |
| 3. Address 202 S. CHEYENNE AVE TULSA, OK 74127 | | 8. Lease Name and Well No. KLEIN 33 FEDERAL COM 7H | |
| 3a. Phone No. (include area code) Ph: 918-585-1100 | | 9. API Well No. 30-015-42180 | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 290FSL 2560FEL At top prod interval reported below Sec 33 T26S R27E Mer 290FSL 2560FEL At total depth 330FNL 2648FWL | | 10. Field and Pool, or Exploratory BONE SPRING 980/8 | |
| 15. Date T.D. Reached 10/26/2016 | | 11. Sec., T., R., M., or Block and Survey or Area Sec 33 T26S R27E Mer | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/30/2017 | | 12. County or Parish EDDY | |
| 17. Elevations (DF, KB, RT, GL)* 3197 KB | | 13. State NM | |
| 18. Total Depth: MD 14097 TVD 7489 | 19. Plug Back T.D.: MD 14094 TVD 14097 | 20. Depth Bridge Plug Set: MD TVD | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON LOG | | 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 | | 400 | | 500 | | | |
| 12.250 | 9.625 J-55 | 36.0 | | 1937 | | 800 | | | 239 |
| 8.500 | 5.500 L80 | 17.0 | | 14097 | | 2775 | | 1752 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 6875 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONESPRING | 7343 | 14070 | 7343 TO 14070 | 0.430 | 690 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 7340 TO 14070 | SEE FRAC FOCUS |
| | |
| | |
| | |

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 01/30/2017 | 02/04/2017 | 24 | → | 775.0 | 1987.0 | 1020.0 | 40.0 | | GAS LIFT |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 34 | 925 | 0.0 | → | 775 | 1987 | 1020 | 2564 | 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 #369880 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will subsequently be reviewed and scanned

BC

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 | 2052 | 3043 | WATER | SALADO | 1346 |
| CHERRY CANYON | 3043 | 4051 | WATER | CASTILE | 1874 |
| BRUSHY CANYON | 4051 | 5667 | WATER | BELL CANYON | 2052 |
| BONE SPRING | 5667 | 7330 | WATER AND OIL | CHERRY CANYON | 3043 |
| | | | | BRUSHY CANYON | 4051 |
| | | | | BONE SPRING | 5667 |

32. Additional remarks (include plugging procedure):

Cimarex Energy Co. would like to request all completion paperwork and logs confidential.

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 #369880 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 03/14/2017

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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