

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. 202 S. Cheyenne Ave. Tulsa, OK 74103 | | NM OIL CONSERVATION ARTESIA DISTRICT JUL 22 2015 | | ² OGRID Number 215099 |
| | | | | ³ Reason for Filing Code/ Effective Date NW 6-11-15 |
| ⁴ API Number 30- 015-42956 | ⁵ Pool Name Wildcat - Bonespring RECEIVED WC-015 6-03 5252636M; Bone Spring | | | ⁶ Pool Code 97818 |
| ⁷ Property Code 314218 | ⁸ Property Name Bonnie 35 Federal Com | | | ⁹ Well Number 1H |

II. ¹⁰ Surface Location

| UL or lot no. P | Section 35 | Township 25S | Range 26E | Lot Idn | Feet from the 200 | North/South Line SOUTH | Feet from the 970 | East/West line EAST | County EDDY |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|

¹¹ Bottom Hole Location

| UL or lot no. A | Section 35 | Township 25S | Range 26E | Lot Idn | Feet from the 330 | North/South line NORTH | Feet from the 724 | East/West line EAST | County EDDY |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|

| | | | | | |
|-----------------------------|---|---|-----------------------------------|------------------------------------|-------------------------------------|
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 6-11-15 | 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 Mistream 370 17th St, Ste 2500; Denver CO | |
| | | |
| | | |
| | | |
| | | |
| | | |

IV. Well Completion Data

| | | | | | |
|------------------------------------|-------------------------------------|--|------------------------------|--|-----------------------|
| ²¹ Spud Date 3-31-15 | ²² Ready Date 6-11-15 | ²³ TD 12093' 7398 | ²⁴ PBTD 12090' | ²⁵ Perforations 7720-12065 | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17-1/2 | 13-3/8 | 450 | 500 | | |
| 12-1/4 | 9-5/8 | 1968 | 665 | | |
| 8-1/2 | 5-1/2 | 12093 | 2316 | | |
| | 2-3/8 | 6858 | | | |

V. Well Test Data

| | | | | | |
|---------------------------------------|--|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| ³¹ Date New Oil 6-11-15 | ³² Gas Delivery Date 6-11-15 | ³³ Test Date 6-20-15 | ³⁴ Test Length 24 hrs | ³⁵ Tbg. Pressure 650 | ³⁶ Csg. Pressure 1060 |
| ³⁷ Choke Size 27/64 | ³⁸ Oil 752 | ³⁹ Water 1247 | ⁴⁰ Gas 1097 | | 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 Tech

E-mail Address: hknauls@cimarex.com

Date: 7-15-15

Phone: 918-295-1799

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will
subsequently be reviewed
and scanned

PROVIDE Logs

NM OIL CONSERVATION

ARTESIA DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 22 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM26870

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BONNIE 35 FEDERAL 1H

9. API Well No.
30-015-42956

10. Field and Pool, or Exploratory
BONESPRING

11. County or Parish, and State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
CIMAREX ENERGY COMPANY
Contact: HOPE KNAULS
E-Mail: hknaults@cimarex.com

3a. Address
202 S. CHEYENNE AVE
TULSA, OK 74127
3b. Phone No. (include area code)
Ph: 918-585-1100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 35 T25S R26E 200FSL 970FEL

12. CHECK 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"/> Fracture Treat | <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 | |
| | <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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Bonnie 35 Federal 1H Drilling and Completion Summary:

Drilling:

3-31-15 Spud well

4-3-15 TD 17-1/2" hole @ 450'. RIH w/ 13-3/8", 48#, J-55, STC csg @ 450'. Mix & Pump 500 sxs class C, 1.36 yld, 14.8ppg, circ (140)sxs to surg. Test to 1500 psi test good.

4-4-15 TD 12-1/2" hole @ 1968'. RIH w/ 9-5/8", 36#, J-55 LT&C csg & set @ 1968'.


4-5-15 Mix & Pump lead 530 sxs, Econcem HLC, 12.9 ppg, 1.88 yld; Tail w/135 sxs, HalCem @ 14.8 ppg, 1.34 yld. Circ 154 sxs to surface. WOC 10 hours. Test Csg @ 1500 psi 30 min. Test good.

4-13-15 TD 8-3/4" hole @ 7926'. Landed Curve. TIH w/ curve assemebly, drilling lateral.

| | |
|---|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #309041 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad | |
| Name (Printed/Typed) HOPE KNAULS | Title REGULATORY TECHNICIAN |
| Signature (Electronic Submission) | Date 07/14/2015 |

THIS SPACE FOR FEDERAL OR STATE O

| | |
|---|--------------|
| 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 

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.

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

Additional data for EC transaction #309041 that would not fit on the form

32. Additional remarks, continued

4-19-15-4-21-15 TD 8-1/2 hole @ 12093'. RIH 5-1/2", 7#, LT&C csg & set @ 12093'. Mix & Pump lead: 912 sxs. 10.8ppg, 2.7 yld; Tail VersaCemH w/ 1404 sx, 14.5 ppg; 1.23 yld. Test csg 7000 psi, Good test.

4-22-15 Rig Released.

Completion:

5-23-15 Set 5-1/2" CBP & 12080' test to 660 psi for 30 min Test Ok. Per'd Bonespring 11842-12065. WO Frac.

6-2-15 Perf'd 7720-11768', .46 size hole, 360 holes, Frac w/ 3074022 gal tot fluid, 5044014 #sand.

6-5-15 Mill out CFP plugs to PBD @ 12080'.

6-9-15 RIH w/ 5-1/2 packer @ 6858'. RIH w/ 2-3/8" tbg, L-80, 4.7#. GLV @ 1653', 2793', 3609', 4100', 4558', 4984', 5443', 5901', 6360', 6786'.

6-11-15 Turned to production.

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 22 2015

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM268701a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ 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: HOPE KNAULS
E-Mail: hknaults@cimarex.com8. Lease Name and Well No.
BONNIE 35 FEDERAL COM 1H3. Address 202 S. CHEYENNE AVE
TULSA, OK 741033a. Phone No. (include area code)
Ph: 918-585-11009. API Well No.
30-015-42956

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 200FSL 970FEL

At top prod interval reported below 200FSL 970FEL

At total depth 330FNL 724FEL

10. Field and Pool, or Exploratory
WILDCAT; BONESPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 35 T25S R26E Mer12. County or Parish
EDDY 13. State
NM14. Date Spudded
03/31/201515. Date T.D. Reached
04/19/201516. Date Completed
☐ D & A ☒ Ready to Prod.
06/11/2015

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

18. Total Depth: MD 12093
TVD 739619. Plug Back T.D.: MD 12090
TVD 739620. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DSN, DLL22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ 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 | | 450 | | 500 | | | 140 |
| 12.250 | 9.625 J-55 | 36.0 | | 1968 | | 665 | | | 154 |
| 8.750 | 5.500 L80 | 17.0 | | 12093 | | 2316 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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 | 6858 | 6858 | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONESPRING | 7720 | 12065 | 7720 TO 12065 | 0.460 | 360 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 7720 TO 12065 | FRAC W/3074022 GAL TOT FLUID; 5044014 #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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 06/11/2015 | 06/20/2015 | 24 | → | 752.0 | 1097.0 | 1247.0 | 45.5 | | FLOWS FROM WELL |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 27/64 | SI 1060 | 752.0 | → | 752 | 1097 | 1247 | 1458 | 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 | |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|--|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | SI | | → | | | | | | |

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #309201 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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 |
|---------------|------|--------|------------------------------|------|--------------------|
| DELAWARE | 1974 | | OIL; WATER | | |
| CHERRY CANYON | 2980 | | WATER | | |
| BRUSHY CANYON | 3980 | | OIL AND WATER | | |
| BONE SPRING | 5540 | | OIL AND WATER | | |
| 1ST BSS | 6510 | | WATER | | |
| 2ND BSS | 7040 | | OIL AND WATER | | |
| 3RD BSS CARB | 7550 | | WATER | | |

32. Additional remarks (include plugging procedure):
Please hold all logs and completion paperwork 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 #309201 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 07/15/2015

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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