

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 - 2/4/17
⁴ API Number 30 - 015 - 43150	⁵ Pool Name Wildcat Bone Spring <i>WC - 015604 52626253</i>	⁶ Pool Code 98018 ✓
⁷ Property Code 40412	⁸ Property Name Foxx 31 Federal Com	⁹ Well Number 4H

II. ¹⁰ Surface Location

UL or lot no. A	Section 31	Township 26S	Range 27E	Lot Idn	Feet from the 453	North/South Line North	Feet from the 417'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. 2	Section 31	Township 26S	Range 27E	Lot Idn	Feet from the 394'	North/South line South	Feet from the 330'	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2-3-2017	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	
36785	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 12/06/2016	²² Ready Date 2-3-2017	²³ TD 12007 <i>7234</i>	²⁴ PBTB 12004	²⁵ Perforations 7390-11980	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8'	²⁹ Depth Set 391'	³⁰ Sacks Cement 520		
12 1/4"	9 5/8"	1890'	685		
8 3/4"/8 1/2"	5 1/2"	12007'	2611 TOC @ 0		
	2-3/8"	6867'			

V. Well Test Data

³¹ Date New Oil 2-4-2017	³² Gas Delivery Date 2-4-2017	³³ Test Date 3-2-17	³⁴ Test Length 24	³⁵ Tbg. Pressure 515	³⁶ Csg. Pressure 960
³⁷ Choke Size 24	³⁸ Oil 979	³⁹ Water 1570	⁴⁰ Gas 1737	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:

3/14/17

Phone:

918/295-1799

OIL CONSERVATION DIVISION

Approved by:

Raymond H. Padany

Title:

Geologist

Approval Date:

3-21-2017

Provide Gas Capture Plan

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.

8. Well Name and No.
FOXX 31 FEDERAL 4H9. API Well No.
30-015-4315010. Field and Pool or Exploratory Area
WE-015-G-04 S262625B; BON11. 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: ARICKA EASTERLING
E-Mail: aeasterling@cimarex.com3a. Address
202 S. CHEYENNE AVE, SUITE 1000
TULSA, OK 741033b. Phone No. (include area code)
Ph: 918-560-7060

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

Sec 31 T26S R27E NENE 453FNL 417FEL

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	Drilling Operations	
	<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.

12/6/16 Spud well. TD 17-1/2" hole @ 391'
12/7/16 RIH w/ 13-3/8" 48# J55 STC casing and set @ 391'. Mix & pump 520 sx calss C. 14.8 ppf, 1.34 yld. Circ 228 sx to surface. WOC 8+ hrs.
12/8/16 test csg to 1500 psi for 30 min. OK
12/9/16 TD 12-1/4" hole @ 1890'. RIH w/ 9-5/8" 36# J55 LTC casing & set @ 1890'.
12/10/16 Mix & pump lead; 490 sx, class C, 13.5 ppg, 1.82 yld., Tail: 195 sx Class C, 14.8 ppg & 1.34 yld. Circ 213 sx to surf. WOC 18+ hrs.
12/11/16 Test csg to 1500 psi for 30 min. OK
12/14/16 TD 8-3/4 vertical hole @ 6862'. TIH w/ curve assembly.
12/16/16 TD 8-3/4 curve @ 7752'. TOH w/ curve assembly. TIH w/ lateral assembly. KO lateral.
12/19/16 TC 8-1/2" hole @ 12007', POOH & LDDP
12/22/16 RIH w/ 5-1/2" 17# L-80 BTC/LTC casing & set @ 12007'. Mix & pump lead 961 sx Neocom, 11

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 17 2017

RECEIVED

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

**Electronic Submission #363422 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 01/10/2017

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 make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

department or agency of the United States

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****Pending BLM approvals will
subsequently be reviewed
and scanned

Additional data for EC transaction #363422 that would not fit on the form

32. Additional remarks, continued

ppg, 2.9 yld; tail 1360 sx Versacem H, 14.5 ppg, 1.24 yld, Circ 0 sx to surface. RD & release rig.

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 17 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED
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. NMNM117116
2. Name of Operator CIMAREX ENERGY COMPANY Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 432-620-1936	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T26S R27E NENE 453FNL 417FEL		8. Well Name and No. FOXX 31 FEDERAL COM 4H
		9. API Well No. 30-015-43150
		10. Field and Pool or Exploratory Area WC 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 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 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.

12/31/16 Test csg to 7500# for 30 mins & chart. OK.
01/01/17 Run RCBL - TOC @ 2450'. SI pending bradenhead squeeze.
01/07/17 Mix and pump bradenhead squeeze down annulus: 290 sx, 11.0 ppg, 2.76 cf/sx cmt. WOC 12+ hrs.
01/11/17 Run RCBL - TOC @ surface.
01/12/17 to
01/17/17 Perf Bone Spring @ 7390-11980'. Frac Bone Spring w/ 125642 bbls total fluid & 8624379# sand.
01/18/17 SI pending drillout.
01/21/17 to
01/26/17 DO plugs & CO to PBTD @ 12004'.
01/27/17 Flowback well. Well SI pending tbg installation.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #369867 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 _____

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 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 ****

Additional data for EC transaction #369867 that would not fit on the form

32. Additional remarks, continued

01/31/17 RIH w/ 2-3/8 tbg & GLV & set @ 6867'.
02/01/17 Turn well to production.
02/07/17 SI well - battery construction
02/28/17 Turn well to production/sales

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 17 2017

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

WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.
NNNM1171161a. 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.
FOXX 31 FEDERAL 4H3. Address 202 S. CHEYENNE AVE
TULSA, OK 741033a. Phone No. (include area code)
Ph: 918-585-11009. API Well No.
30-015-43150

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

At surface 4543FNL 417FEL

At top prod interval reported below 4543FNL 417FEL

At total depth 394FSL 330FWL

10. Field and Pool, or Exploratory
BONE SPRING 9801811. Sec., T., R., M., or Block and Survey
or Area Sec 31 T26S R27E Mer12. County or Parish
EDDY13. State
NM14. Date Spudded
12/06/201615. Date T.D. Reached
12/19/201616. Date Completed
☐ D & A ☒ Ready to Prod.
02/28/201717. Elevations (DF, KB, RT, GL)*
3210 GL18. Total Depth: MD 12007
TVD 722719. Plug Back T.D.: MD 12004
TVD 722720. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON LOG, TRIPLE COMBO LOG, GAMMA RAY22. 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 J55	48.0		391		520		0	228
12.250	9.625 J-55	36.0		1890		685		0	213
8.500	5.500 L80	17.0		12007		2611		2450	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)
2.375	6867							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONESPRING	7390	11980	7390 TO 11980	0.460	600	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7390 TO 11980	PLEASE 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
02/04/2017	02/04/2017	24	→	979.0	1737.0	1570.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	515	960.0	→	979	1737	1570	1774	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 #370012 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	1953	2950	WATER	SALADO	1247
CHERRY CANYON	2950	4134	WATER	CASTILE	1775
BRUSHY CANYON	4134	5637	WATER	BELL CANYON	1953
BONE SPRING	5637	7195	WATER AND OIL	CHERRY CANYON	2950
				BRUSHY CANYON	4134
				BONE SPRING	5637

32. Additional remarks (include plugging procedure):

Cimarex Energy requests to hold 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 #370012 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 03/15/2017

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.

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