

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104  
Revised August 1, 2011

JAN 22 2015

Submit one copy to appropriate District Office

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

RECEIVED

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Cimarex Energy Co. 600 N. Marienfeld St., Ste. 600 Midland, TX 79701		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 9-13-14
<sup>4</sup> API Number 30 -015-41792	<sup>5</sup> Pool Name Forty Niner Ridge Bone Spring	<sup>6</sup> Pool Code 24720
<sup>7</sup> Property Code 39937	<sup>8</sup> Property Name Sandy Federal	<sup>9</sup> Well Number 22H

II. <sup>10</sup> Surface Location

UL or lot no. P	Section 23	Township 23S	Range 30E	Lot Idn	Feet from the 195	North/South Line South	Feet from the 250	East/West line East	County Eddy
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------

<sup>11</sup> Bottom Hole Location

UL or lot no. A	Section 24	Township 23S	Range 30E	Lot Idn	Feet from the 349	North/South line North	Feet from the 312	East/West line East	County Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 9-13-14	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> 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

<sup>21</sup> Spud Date 6-7-14	<sup>22</sup> Ready Date 9-13-14	<sup>23</sup> TD 18023/11216	<sup>24</sup> PBTB 18021	<sup>25</sup> Perforations 12294-17990	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17 1/2	13 3/8	365	390		
12 1/4	9 5/8	3865	1465		
8 3/4 & 8 1/2	5 1/2	18023	3870- TOC 790'		
	2-3/8	10471			

V. Well Test Data

<sup>31</sup> Date New Oil 10-2-14	<sup>32</sup> Gas Delivery Date 10-2-14	<sup>33</sup> Test Date 10-17-14	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 650	<sup>36</sup> Csg. Pressure 370
<sup>37</sup> Choke Size 19/64	<sup>38</sup> Oil 326	<sup>39</sup> Water 1242	<sup>40</sup> Gas 554		<sup>41</sup> Test Method

<sup>42</sup> 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

E-mail Address Tstathem@cimarex.com

Date:  
01-19-14

Phone:  
432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will  
subsequently be reviewed  
and scanned

# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 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.  
NMNM114356

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
SANDY FEDERAL 22H

9. API Well No.  
30-015-41792

10. Field and Pool, or Exploratory  
FORTY NINER RIGE; BS

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 CO.

Contact: DEYSI FAVELA  
E-Mail: dfavela@cimarex.com

3a. Address  
600 NORTH MARIENFELD STREET SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-620-1964  
Fx: 432-620-1940

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

Sec 23 T23S R30E SESE 195FSL 250FEL

## 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	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 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.)

6/5/14 Spud Well  
6/7/14 TD 17 1/2" Surface Hole at 375'  
6/8/14 Ran 13 3/8" 48#, J-55 ST&C TO 365'. Mix & Pump Tail cmt: 390 sxs of Class C cmt, 14.8 ppg, 1.34 yld. Circ 96 sxs of cmt to surface. WOC  
6/10/14 Test Casing to 1500 psi for 30 min, good test.  
6/13/14 TD 12 1/4" Hole at 3865'.  
6/14/14 Ran 9 5/8" 36# J-55 LT&C TO 3865'.  
6/15/14 Mix & Pump Lead cmt: 1150 sxs of Class C cmt, 12.8 ppg, 1.97 yld. Tail cmt: 315 sxs of Class C cmt, 14.8 ppg, 1.33 yld. Circ 646 sxs of cmt to surf. WOC 24+ hrs.  
6/16/14 Test 9 5/8" csg. 1500 psi for 30 min, good test.  
7/1/14 TD Well at 18023'.  
7/3&7/4/14 Ran 5 1/2" 17# P-110 LT&C/BT&C Casing to 18023'.

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

**Electronic Submission #253383 verified by the BLM Well Information System  
For CIMAREX ENERGY CO., sent to the Carlsbad**

Name (Printed/Typed) DEYSI FAVELA

Title DRILLING TECH

Signature (Electronic Submission)

Date 07/16/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE**

Approved By

Title

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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 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 #253383 that would not fit on the form**

**32. Additional remarks, continued**

7/4&5/14 Mix & Pump Lead cmt: 1460 sxs of Poz H cmt, 11.9 ppg, 2.29 yld. Tail cmt: 2410 sxs of Poz H cmt, 14.5 ppg, 1.26 yld. Circ 221 sxs of cmt to surf. WOC  
7/6/14 Rig Released.

# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 22 2015

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

## 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 reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM114356
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918-560-7038		8. Well Name and No. SANDY FEDERAL 22H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T23S R30E SESE 195FSL 250FEL		9. API Well No. 30-015-41792
		10. Field and Pool, or Exploratory WILDCAT
		11. County or Parish, and State EDDY COUNTY, NM

### 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.)

8/21/14 TOC @ 790?. BLM approved annulus press test gauge be installed and monitored on well.

Test csg to 1000# for 30 mins. OK.

8/23/14 Test csg to 8500# for 30 mins. OK. PBTD @ 18021. SI for frac.

8/25/14 to

9/06/14 Perf Bone Spring @ 12294-17990, .54, 528 holes. Frac w/ 2340473 gals total fluid, 3675870# sand. SI pending offset frac.

9/11/14 Mill out plugs and CO to PBTD.

9/13/14 Flowback well.

9/18/14 RIH w/ 2-3/8 tbg, pkr and GLV & Set @ 10471. GLV @ 1840, 2945, 3660, 4376, 5093, 5742, 6458, 7142, 7793, 8444, 9096, 9746, 10429. Turn well over to production.

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

**Electronic Submission #286772 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) CRISTEN BURDELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 01/05/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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 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 \*\***

# NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 22 2015

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

## WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.  
NMNM114356

1a. 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: TERRI STATHEM  
E-Mail: tstathem@cimarex.com

8. Lease Name and Well No.  
SANDY FEDERAL 22H

3. Address 202 S. CHEYENNE AVE, STE 1000  
TULSA, OK 74103

3a. Phone No. (include area code)  
Ph: 432-620-1936

9. API Well No.  
30-015-41792

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

Sec 23 T23S R30E Mer  
At surface 195FSL 250FEL  
Sec 23 T23S R30E Mer  
At top prod interval reported below 195FSL 250FEL  
Sec 24 T23S R30E Mer  
At total depth 349FNL 312FEL

10. Field and Pool, or Exploratory  
FORTY NINER RIDGE BS

11. Sec., T., R., M., or Block and Survey  
or Area Sec 23 T23S R30E Mer

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
06/05/2014

15. Date T.D. Reached  
07/01/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
09/13/2014

17. Elevations (DF, KB, RT, GL)\*  
3294 GL

18. Total Depth: MD 18023  
TVD 11216

19. Plug Back T.D.: MD 18021  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE

22. 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	0	365		390		0	96
12.250	9.625 J55	36.0	0	3865		1465		0	646
8.500	5.500 P110	17.0	0	18023		3870		790	221

### 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	10471	10471						

### 25. Producing Intervals

### 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	12294	17990	12294 TO 17990	0.540	528	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12294 TO 17990	2340473 GALS FLUID; 3675870# 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
10/02/2014	10/17/2014	24	→	326.0	554.0	1242.0	42.9		GAS LIFT
Choke Size	Tbg. Press. Flwg. St	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
19/64	650	370.0	→	326	554	1242		I	

### 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. St	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned *MD*

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

ELECTRONIC SUBMISSION #288402 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.)  
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
DELAWARE BONE SPRING	3865 7750	7750 16479	SANDSTONE WATER SANDSTONE, SHALE, LIMESTONE	RUSTLER SALT DELAWARE BONE SPRING	150 488 3865 8860

## 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 #288402 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) TERRI STATHEMTitle MANAGER REGULATORY COMPLIANCESignature (Electronic Submission)Date 01/19/2015

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***