

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

Form C-104
Revised August 1, 2011

JAN 22 2015

Submit one copy to appropriate District Office

RECEIVED

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

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

II. ¹⁰ 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
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¹¹ 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
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 9-13-14	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 6-7-14	²² Ready Date 9-13-14	²³ TD 18023/11216	²⁴ PBDT 18021	²⁵ Perforations 12294-17990	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ 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

³¹ Date New Oil 10-2-14	³² Gas Delivery Date 10-2-14	³³ Test Date 10-17-14	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 650	³⁶ Csg. Pressure 370
³⁷ Choke Size 19/64	³⁸ Oil 326	³⁹ Water 1242	⁴⁰ Gas 554	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: *[Handwritten 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: *[Handwritten Signature]*
Title: *[Handwritten Signature]*
Approval Date: 4/8/15
[Handwritten Initials]

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
SANDY FEDERAL 22H

2. Name of Operator
CIMAREX ENERGY CO. Contact: DEYSI FAVELA
E-Mail: dfavela@cimarex.com

9. API Well No.
30-015-41792

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T23S R30E SESE 195FSL 250FEL

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	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 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 shall 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 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 USE

Approved By _____
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.

Title _____
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 #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.

5. Lease Serial No.
NMNM114356

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
SANDY FEDERAL 22H

9. API Well No.
30-015-41792

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
CIMAREX ENERGY COMPANY
Contact: CRISTEN BURDELL
E-Mail: cburdell@cimarex.com

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

3b. Phone No. (include area code)
Ph: 918-560-7038

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T23S R30E SESE 195FSL 250FEL

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 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 shall 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 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 AND RECEIVED

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: **tstatthem@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)*

At surface **195FSL 250FEL**
At top prod interval reported below **195FSL 250FEL**
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 **11216**

20. Depth Bridge Plug Set: MD **18021** TVD **11216**

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			

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. 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 STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature (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.