

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 New: 2/6/16
⁴ API Number 30 - 015 - 43454	⁵ Pool Name WC-015-S2S271SA: Bone Spring	
⁷ Property Code 315640	⁸ Property Name Cottonberry 20 Federal	⁶ Pool Code 97816
		⁹ Well Number 3H

II. ¹⁰ Surface Location

UL or lot no. O	Section 17	Township 25S	Range 27E	Lot Idn	Feet from the 161	North/South Line South	Feet from the 2225	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. O	Section 20	Township 25S	Range 27E	Lot Idn	Feet from the 330	North/South line South	Feet from the 1968	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2/8/16	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 6 8 2016 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 12/1/15	²² Ready Date 2/3/16	²³ TD 12324 7474	²⁴ PBTB 12311	²⁵ Perforations 7685-12295	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8'	²⁹ Depth Set 455	³⁰ Sacks Cement 520		
12 1/4"	9 5/8"	1986	730		
8 1/2"	5 1/2"	12324	2225 TOC @ 0		
	2 3/8"	6747			

V. Well Test Data

³¹ Date New Oil 2/6/16	³² Gas Delivery Date 2/8/16	³³ Test Date 2/8/16	³⁴ Test Length 24	³⁵ Tbg. Pressure: 730	³⁶ Csg. Pressure 150
³⁷ Choke Size 24	³⁸ Oil 178	³⁹ Water 1339	⁴⁰ Gas 559	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: Aricka Easterling

Printed name:
Aricka Easterling

Title:
Regulatory

E-mail Address:
acasterling@cimarex.com

Date:
3/4/16

Phone:
918-560-7060

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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 an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM130854

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
COTTONBERRY 20 FEDERAL 3H9. API Well No.
30-015-4245410. Field and Pool, or Exploratory
WC-015-S2S271SA; BS11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

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 17 T25S R27E SWSE 161FSL 2225FEL

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.)

Completion Ops:

1/10/16 Test 5-1/2 casing to 8500 psi for 30 min, Test good. TOC @ 0'.
1/11/16 to 1/29/16 Perf Bone Spring @ 7685-12295, 450 holes. Frac w/ 4,166,569 gal frac fluid & 6,414,032 # sand.
1/30/16 to 1/31/16 Mill out plugs. Wash to bottom perf @ 12295'. PBTD @ 12311'. Flow well.
2/2/16 RIH w/ 2-3/8 tbg & packer. set @ 6747'. GLV's @ 1506, 2550, 3203, 3694, 4217, 4708, 5199, 5722, 6213, 6705.
2/3/16 Turn well to production.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #332803 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 03/03/2016
THIS SPACE FOR FEDERAL OR STATE APPROVAL	
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 _____	

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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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

MAR 18 2016

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			RECEIVED		
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 _____					
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com		
3. Address CIMAREX ENERGY CO 202 S CHEYENNE AVE, SUITE 1100 TULSA, OK 74103			Phone No. (include area code) Ph: 918-560-7060		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 17 T25S R27E Mer SWSE 161FSL 2225FEL At top prod interval reported below Sec 17 T25S R27E Mer Sec 20 T25S R27E Mer At total depth SWSE 330FSL 1968FEL			5. Lease Serial No. NMNM130854		
14. Date Spudded 12/01/2015			15. Date T.D. Reached 12/11/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/03/2016			17. Elevations (DF, KB, RT, GL)* 3135 GL		
18. Total Depth: MD 12324 TVD 7471			19. Plug Back T.D.: MD 6747 TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) N/A		
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 J55	48.0		455		520		0	211
12.250	9.625 J55	36.0		1986		730		0	278
8.500	5.500 L80	17.0		12324		2225		0	160

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	6747	6747						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7685	12295	7685 TO 12295	0.460	450	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7685 TO 12295	FRAC WITH 4,166,569 GAL FRAC FLUID & 6,414,032 # 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
02/03/2016	02/08/2016	24	→	178.0	559.0	1339.0	46.2		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	SI 730	150.0	→	17	197	1366	3140	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
SI			→				

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #332964 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
BELL CANYON	2050	2970	WATER	SALADO	1230
CHERRY CANYON	2970	4000	WATER	CASTILLE	1790
BRUSHY CANYON	4000	5520	WATER OIL AND GAS	BELL CANYON	2050
BONE SPRING	5520	7460	WATER OIL AND GAS	CHERRY CANYON	2970
				BRUSHY CANYON	4000
				BONE SPRING	5520

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 #332964 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) ARICKA EASTERLING

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 03/07/2016

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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