

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** Form C-104  
ARTESIA DISTRICT Revised August 1, 2011  
Submitted to appropriate District Office  
JUN 27 2016

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 Street, Suite 600 Midland, TX 79701		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date New: 6/4/2016
<sup>4</sup> API Number 30 - 015 - 42778	<sup>5</sup> Pool Name Cottonwood Draw, B.S.	<sup>6</sup> Pool Code 97494
<sup>7</sup> Property Code 313722	<sup>8</sup> Property Name Federal 13	<sup>9</sup> Well Number 9H

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

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	13	25S	26E		273'	North	1920'	West	Eddy

**<sup>11</sup> Bottom Hole Location**

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	25S	26E		298'	South	1986'	West	Eddy

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 6/6/2016	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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**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 Midstream. 370 17th St., Ste 2500 Denver CO	

**IV. Well Completion Data**

<sup>21</sup> Spud Date 12/16/2015	<sup>22</sup> Ready Date 06/04/2016	<sup>23</sup> TD 11706'	<sup>24</sup> PBDT 11688'	<sup>25</sup> Perforations 7400'-11662'	<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'	417'	520		
12 1/4"	9 5/8"	1891'	690		
8 3/4"/8 1/2"	5 1/2"	11690'	2090 TOC @ 0		
	2 3/8"	6490'			

**V. Well Test Data**

<sup>31</sup> Date New Oil 06/05/2016	<sup>32</sup> Gas Delivery Date 06/06/2016	<sup>33</sup> Test Date 6/10/2016	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 700	<sup>36</sup> Csg. Pressure 0
<sup>37</sup> Choke Size 24	<sup>38</sup> Oil 283	<sup>39</sup> Water 1266	<sup>40</sup> Gas 462	<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: *Amithy Crawford*  
Printed name: Amithy Crawford  
Title: Regulatory Analyst  
E-mail Address: acrawford@cimarex.com  
Date: 6/15/2016  
Phone: 432-620-1909

OIL CONSERVATION DIVISION  
Approved by: *Saren Sharp*  
Title: *Bus Op Spec-Adv*  
Approval Date: *7-12-16*  
Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NM OIL CONSERVATION**

ARTESIA DISTRICT

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

JUN 27 2016

**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.*

RECEIVED

<b>SUBMIT IN TRIPLICATE - Other instructions on reverse side.</b>		7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. FEDERAL 13 9H	
2. Name of Operator CIMAREX ENERGY COMPANY	Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com	9. API Well No. 30-015-42778
3a. Address 202 S. CHEYENNE AVE, SUITE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7060	10. Field and Pool, or Exploratory WILDCAT; BONE SPRING
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T25S R26E NENW 273FNL 1920FWL		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 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 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.)

Drilling Ops:

12/16/15 Spud Well. TD 17-1/2" hole @ 417'. RIH w/ 13-3/8", 48#, J55, ST&C Casing & set @ 417'. Mix & pump 520 sks class C, 14.8 ppg, 1.33 yield. Circulate 249 sks to surface. WOC 8 hrs.  
 12/18/15 Test csg to 1500 psi for 30 min. Ok.  
 12/19/15 TD 12-1/4" hole @ 1,891'. RIH w. 9-5/8", 36#, J55, LT&C casing & set @ 1891'. Mix & pump lead: 545 sks, Class C, 13.5 ppg, yield 1.80; tail: 145 sks, 14.8 ppg, yield 1.33. Circulate 218 sks to surface.  
 12/20/15 WOC 18 hrs. Test Casing to 1500 psi for 30 minutes. Test Ok.  
 12/22/15 TD 8-3/4 vertical hole @ 6500'.  
 12/23/15 TIH w/ curve assembly.  
 12/24/15 TD 8-3/4 curve @ 7670. TOH w/ Curve assembly. TIH w/ 8-1/2 lateral assembly. KO lateral.

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

**Electronic Submission #333296 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 03/09/2016

THIS SPACE FOR FEDERAL OR STATE OFFICIAL APPROVAL

Approved By _____	Title _____	Date _____
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 #333296 that would not fit on the form**

**32. Additional remarks, continued**

12/26/15 TD 8-1/2" hole @ 11706. POOH & LDDP.

12/28/15 RIH w/ 5-1/2, 17#, L80, BT&C Casing & Set @ 11690. Mix & pump lead; 815 sks, 11 ppg, 2.77 yield,; Tail 1275 sks, 14.5 ppg, 1.2 yield. Circulate 95 sks to surf.

12/29/15 RD & Rig released.

**NM OIL CONSERVATION**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARTESIA DISTRICT

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

**JUN 27 2016**

**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.*

**RECEIVED**

5. Lease Serial No.  
NMNM41645

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
FEDERAL 13 9

9. API Well No.  
30-015-42778

10. Field and Pool, or Exploratory  
COTTONWOOD DRAW;BONESPRIN

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: AMITHY CRAWFORD  
E-Mail: acrawford@cimarex.com

3a. Address  
600 N. MARIENFELD SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-620-1909

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T25S R26E 273FNL 1920FWL

**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 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 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.)

5/13/2016 Test & chart to 8,000 psi. Ok. Tag PBTD @ 11,688'.  
5/13/2016 Perforated stage 1. Shut well in waiting on frac.  
5/20-22/2016 Perf Bone Spring from 7400'-11662', 450 holes, .46. Frac with 3858843 gal total fluid & 6400970# sand  
5/22/2016 Shut in well pending tubing installation  
5/29/2016 Mill out plugs and CO to PBTD  
6/4/2016 RIH with 2 3/8" tubing and packer set at 6490'. GLVs @ 1556', 2734', 3388', 3881', 4407', 4900', 5391', 5884', 6410'. Turn well over to production.

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

**Electronic Submission #342100 verified by the BLM Well Information System For CIMAREX ENERGY CO, sent to the Carlsbad**

Name (Printed/Typed) AMITHY CRAWFORD	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/15/2016

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

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.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

**JUN 27 2016**

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**RECEIVED**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CIMAREX ENERGY CO			Contact: AMITHY CRAWFORD E-Mail: acrawford@cimarex.com		
3. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-620-1909		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 273FNL 1920FWL At top prod interval reported below 706FNL 2283FWL At total depth 298FSL 1986FEL			8. Lease Name and Well No. FEDERAL 13 9H		
14. Date Spudded 12/16/2015			15. Date T.D. Reached 12/26/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/04/2016			9. API Well No. 30-015-42778		
18. Total Depth: MD 11706 TVD 7135			19. Plug Back T.D.: MD 11688 TVD 7135		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory COTTONWOOD DRAW;BONESPRIN		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			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)		
11. Sec., T., R., M., or Block and Survey or Area Sec 13 T25S R26E Mer			12. County or Parish EDDY		
13. State NM			17. Elevations (DF, KB, RT, GL)* 3278 GL		

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	417		520		0	
12.250	9.625 J55	36.0	0	1891		690		0	
8.750	5.500 L80	17.0	0	11706		2090		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	6490	6490						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7400	11662	7400 TO 11662	0.460	450	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7400 TO 11662	FRAC WITH 3858843 GAL FLUID & 6400970# 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
06/04/2016	06/10/2016	24	→	283.0	462.0	1266.0	44.0		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	700	0.0	→	283	462	1266	-	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		
			→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #342882 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
					Mcas. Depth
BELL CANYON	1946	2792	WATER	BELL CANYON	1946
CHERRY CANYON	2792	3832	WATER	CHERRY CANYON	2792
BRUSHY CANYON	3832	5370	WATER OIL GAS	BRUSHY CANYON	3832
BONE SPRING	5370	8547	WATER OIL GAS	BONE SPRING	5370

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 #342882 Verified by the BLM Well Information System.**  
For CIMAREX ENERGY CO, sent to the Carlsbad

Name (please print) AMITHY CRAWFORD Title REGULATORY ANALYST

Signature (Electronic Submission) Date 06/23/2016

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