

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

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

Submit to appropriate District Office
JUN 27 2016

RECEIVED

☐ 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: 6/4/2016
⁴ API Number 30 - 015 - 42778	⁵ Pool Name Cottonwood Draw, B.S.	⁶ Pool Code 97494
⁷ Property Code 313722	⁸ Property Name Federal 13	⁹ Well Number 9H

II. ¹⁰ Surface Location

Ul or lot no. C	Section 13	Township 25S	Range 26E	Lot Idn	Feet from the 273'	North/South Line North	Feet from the 1920'	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. N	Section 13	Township 25S	Range 26E	Lot Idn	Feet from the 298'	North/South line South	Feet from the 1986'	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 6/6/2016	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	

IV. Well Completion Data

²¹ Spud Date 12/16/2015	²² Ready Date 06/04/2016	²³ TD 11706'	²⁴ PBSD 11688'	²⁵ Perforations 7400'-11662'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ 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

³¹ Date New Oil 06/05/2016	³² Gas Delivery Date 06/06/2016	³³ Test Date 6/10/2016	³⁴ Test Length 24	³⁵ Tbg. Pressure 700	³⁶ Csg. Pressure 0
³⁷ Choke Size 24	³⁸ Oil 283	³⁹ Water 1266	⁴⁰ Gas 462	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: *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: *Karen Sharp*

Title: *Bus Ops 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

JUN 27 2016

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 an abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED

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. NMNM41645
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE, SUITE 1000 TULSA, OK 74103		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918-560-7060		8. Well Name and No. FEDERAL 13 9H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T25S R26E NENW 273FNL 1920FWL		9. API Well No. 30-015-42778
		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING
		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 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.)

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 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 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.	

Pending BLM approvals will
subsequently be reviewed
and scanned

** 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
JUN 27 2016FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED

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	8. Well Name and No. FEDERAL 13 9
2. Name of Operator CIMAREX ENERGY CO Contact: AMITHY CRAWFORD E-Mail: acrawford@cimarex.com	9. API Well No. 30-015-42778
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701	10. Field and Pool, or Exploratory COTTONWOOD DRAW; BONESPRIN
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	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 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.)

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

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 scannedTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and
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

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

5. Lease Serial No. NMNM41645	
6. If Indian, Allottee or Tribe Name	
7. Unit or CA Agreement Name and No.	
8. Lease Name and Well No. FEDERAL 13 9H	
9. API Well No. 30-015-42778	
10. Field and Pool, or Exploratory COTTONWOOD DRAW; BONESPRIN	
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	
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	
18. Total Depth: MD 11706 TVD 7135	19. Plug Back T.D.: MD 11688 TVD 7135
20. Depth Bridge Plug Set: MD TVD	
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)	

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 Sks. & 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)						

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	SI 700	0.0	→	283	462	1266	-	PROD	

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
			→				

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 Meas. 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 CRAWFORDTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 06/23/2016

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.

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