

District I
1625 S. 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

JUN 27 2016
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 Street, Suite 600 Midland, TX 79701		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date New: 6/2/2016
⁴ API Number 30 - 015 - 42777	⁵ Pool Name Cottonwood Draw, B.S.	⁶ Pool Code 97494
⁷ Property Code 313722	⁸ Property Name Federal 13 Com	⁹ Well Number 8H

II. ¹⁰ Surface Location

UL or lot no. B	Section 13	Township 25S	Range 26E	Lot Idn	Feet from the 330'	North/South Line North	Feet from the 1980'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. O	Section 13	Township 25S	Range 26E	Lot Idn	Feet from the 327'	North/South line South	Feet from the 1991'	East/West line East	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 11/16/2015	²² Ready Date 06/02/2016	²³ TD 11635' 7319	²⁴ PBSD 11632'	²⁵ Perforations 7300'-11607'	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"	1880'	685		
8 3/4"/8 1/2"	5 1/2"	11635'	2090 TOC @ 0		
	2 3/8"	6817'			

V. Well Test Data

³¹ Date New Oil 06/04/2016	³² Gas Delivery Date 06/06/2016	³³ Test Date 6/10/2016	³⁴ Test Length 24	³⁵ Tbg. Pressure 760	³⁶ Csg. Pressure 200
³⁷ Choke Size 26	³⁸ Oil 415	³⁹ Water 1252	⁴⁰ Gas 675		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: *Jaren Sharp*
Title: *BusDptSpec-Adv*
Approval Date: *7-12-16*

Pending BLM approvals will
subsequently be reviewed
and scanned

NM OIL CONSERVATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.5. Lease Serial No.
NMNM26105

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
FEDERAL 13 COM 8H9. API Well No.
30-015-4277710. Field and Pool, or Exploratory
COTTONWOOD DRAW 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: TERRI STATHEM
E-Mail: tstatthem@cimarex.com3a. Address
202 S. CHEYENNE AVE, STE 1000
TULSA, OK 741033b. Phone No. (include area code)
Ph: 432-620-19364. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T25S R26E NWNE 330FNL 1980FEL

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 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:

11-16-15 Spud well. TD 17-1/2" hole @ 417'. RIH w/ 13-3/8", 48#, J55, STC csg & set @ 417'. Mix & pump 520 sx Class C, 14.8 ppg, 133 yld. Circ 181 sx to surf. WOC 8+ hrs.

11-17-15 Test csg to 1500# for 30 mins. OK.

11-18-15 TD 12-1/4" hole @ 1880'. RIH w/9-5/8", 36#, J55, LTC csg & set @ 1880'. Mix & pump lead: 540 sx Class C, 13.5 ppg, 1.8 yld; tail w/ 145 sx Class C, 14.8 ppg, 1.33 yld. Circ 218 sx to surf. WOC 8+ hrs.

11-19-15 Test csg to 1500# for 30 mins. OK.

11-21-15 TD 8-3/4" vertical section @ 6812'. TIH w/ curve assembly.

11-23-15 TD 8-3/4" curve @ 7668'. 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 #327312 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (Printed/Typed) TERRI STATHEM

Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission)

Date 12/28/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 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 #327312 that would not fit on the form

32. Additional remarks, continued

11-25-15 TD 5-1/2" hole @ 11635'.

11-26-15 RIH w/ 5-1/2", 17#, L80, BTC LTC csg & set @ 11635'.

11-27-15 Mix & pump lead: 815 sx Class TLW, 11.0 ppg, 2.77 yld; tail w/ 1275 sx Class H, 14.5 ppg, 1.2 yld. Circ 163 sx to surf.

11-28-15 Release rig.

 

NM OIL CONSERVATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
NMMN26105

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
FEDERAL 13 COM 8H9. API Well No.
30-015-4277710. Field and Pool, or Exploratory
COTTONWOOD DRAW;BONESPRIN11. 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 COContact: AMITHY E CRAWFORD
E-Mail: acrawford@cimarex.com3a. Address
600 N. MARIENFELD SUITE 600
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-620-19094. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T25S R26E 330FNL 1980FEL

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 recompleate 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 recompleation 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.)

12/13/2015 Test & chart for 30 minutes to 8,500 psi. Test good.
12/17/2015 Tag PBTD @ 11632'. Test 5 1/2" casing to 6,850 psi. Test good.
12/17-19/2015 Perf Bone Spring from 7300'-11607', 450 Holes, .46. Frac with 4029319 gal total fluid, & 6461331# sand
5/27-28/2016 Mill out plugs and CO to PBTD
5/31/2016 Shut in well pending Tubing installation
6/2/2016 RIH with 2 3/8" tbg and packer and set @ 6817'. GLVs @ 1505', 2639', 3257', 3747', 4235', 4754', 5240', 5759', 6249', 6741'. Turn well over to production.

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

Electronic Submission #342114 verified by the BLM Well Information System
For CIMAREX ENERGY CO, sent to the Carlsbad

Name (Printed/Typed) AMITHY E CRAWFORD

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/15/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 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

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

5. Lease Serial No.
NMNM26105

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			8. Lease Name and Well No. FEDERAL 13 COM 8H		
3. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701			9. API Well No. 30-015-42777		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 330FNL 1980FEL At top prod interval reported below 654FNL 1952FEL At total depth 327FSL 1991FEL			10. Field and Pool, or Exploratory COTTONWOOD DRAW; BONESPRIN		
14. Date Spudded 11/16/2015			15. Date T.D. Reached 11/25/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/02/2016			17. Elevations (DF, KB, RT, GL)* 3721 GL		
18. Total Depth: MD 11635 TVD 7319		19. Plug Back T.D.: MD 11632 TVD 7319		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 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	1880		685		0	
8.750	5.500 L80	17.0	0	11635		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	6817	6817						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7300	11607	7300 TO 11607	0.460	450	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7300 TO 11607	FRAC WITH 4029319 GAL FLUID AND 6461331# 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	→	415.0	675.0	1252.0	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	
26	760	200.0	→	415	675	1252		POW	

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.	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

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

ELECTRONIC SUBMISSION #342881 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 #342881 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO, sent to the Carlsbad

Name (please print) AMITHY CRAWFORDTitle REGULATORY ANALYSTSignature (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 ****

3329 W. Pinhook Rd.
Lafayette, LA 70508-3506, USA
Tel. 337-233-3982
Fax 337-234-2988



NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 27 2016

RECEIVED

December 15, 2015

CIMAREX
Mr. Gary Abbott
1700 Lincoln Street
Suite 3700
Denver, CO 80203-4518

RE: MWD/LWD Services
CIMAREX ENERGY CO.
Federal 13 Com #8H
Cottonwood Draw; B.B. Field
Eddy County, NM
API Well No.: 30-015-42777
Job No.: 15MLD2231

Dear Mr. Abbott:

Enclosed please find the following M/LWD presentations furnished by Schlumberger on the above captioned well.

FINAL PRINT WELL DATA

- 1 – (1") MD Gamma-Ray Log Report
- 1 – (1") TVD Gamma-Ray Log Report
- 1 – (2") MD Gamma-Ray Log Report
- 1 – (2") TVD Gamma-Ray Log Report
- 1 – (5") MD Gamma-Ray Log Report
- 1 – (5") TVD Gamma-Ray Log Report
- 1 – CD containing LAS & TIFF Digital Log and Survey Data

Should you have any questions or comments concerning the enclosed log data please contact Alex Cantrall, Log Analyst II, by email acantrall@pathfinderlwd.slb.com or call (800) 377-3982.

We trust that you are satisfied with the M/LWD work provided on this job.

Schlumberger appreciates the opportunity to work with you and we look forward to your continued business support.

Sincerely,

Sue Prejean *M / LWD Distribution and Regulatory Specialist*
Tracie Broussard *M / LWD Data Distribution Clerk*

337.572.2208 (Sue Direct #)
337.769-6036 (Tracie Direct #)
hprejean01@slb.com
tbroussard01@slb.com

Enclosure