

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. Marlenfeld St. Suite 600 Midland, TX 7901		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW / 03/17/2019
⁴ AFI Number 30-015-45147	⁵ Pool Name Cottonwood Draw; Bone Spring (O)	⁶ Pool Code 97494
⁷ Property Code 322224	⁸ Property Name Cottonberry 20 Federal	⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	20	25S	27E		950	North	609	West	Eddy

¹¹ 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
M	20	25S	27E		101	South	673	West	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	03/17/2019			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Suhoco R&M PO Box 2039 Tulsa OK 74102	O
703107	Lucid 3100 McKinnon St., Suite 800 Dallas, TX 75201	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
12/04/2018	03/17/2019	12,196'	12,193'	7567'-12,146'	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"		13-3/8"		420'	500 sx - TOC 0
12-1/4"		9-5/8"		1892'	750 sx - TOC 0
8-3/4"		5-1/2"		12,196'	2150 sx - TOC 0
Tubing		2-7/8"		6833'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
03/17/2019	03/17/2019	04/06/2019	24	643	1035'
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
62	1561	1270	2466	P	

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:

Printed name:
Fatima Vasquez
Title:
Regulatory Analyst

E-mail Address:
fvasquez@cimarex.com

Date:
06/03/2019

Phone:
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: 6-11-19

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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 1H

9. API Well No.
30-015-45147

10. Field and Pool or Exploratory Area
COTTONWOOD DRAW; BS (O)

11. County or Parish, State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
CIMAREX ENERGY COMPANY
Contact: FATIMA VASQUEZ
E-Mail: fvasquez@cimarex.com

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

3b. Phone No. (include area code)
Ph: 432.620.1933

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 20 T25S R27E NWNW 950FNL 609FWL
32.120136 N Lat, 104.218878 W Lon

12. CHECK THE 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"/> Hydraulic Fracturing	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Some Drilling & Completion information was inadvertently misfiled on 04/25/2019. Please accept this as the corrected Drilling & Completion Ops Sundry.

Drilling Ops:

12/04/2018 Spud well. TD 17-1/2" surface hole at 420'. RIH w/13-3/8" 48# J-55 ST&C csg & set @ 420'. Mixed & pumped 500 sx Class C cmt, 14.8 ppg, 1.346 yield. Circ 154 sx to surface. WOC 8 hrs.
12/05/2018 Test casing to 1500# for 30 min. OK.
12/06/2018 TD 12-1/4" hole @ 1902'.
12/07/2018 RIH w/ 9-5/8" 36# J-55 LT&C csg set @ 1892'. Mixed & pump Lead: 500 sx Class C cmt, 13.7 ppg, 1.66 yld. Tail w/ 250 sx Class C cmt, 14.8 ppg, 1.344 yld. Circ 270 sx to surface. WOC cmt 12 hrs. Tested csg to 2342 for 30 mins. OK.

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

Electronic Submission #468174 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/07/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title _____

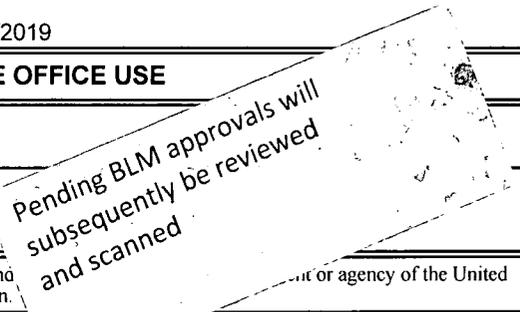
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****



Additional data for EC transaction #468174 that would not fit on the form

32. Additional remarks, continued

12/12/2018 Landed curve @ 7818'.

12/15/2018 TD 8-3/4" hole @ 12,196'. RIH w/ 5-1/2" 17# L-80 BT&C and set @ 6773'-12,196'. RIH w/ 5-1/2" 17# L-80 LT&C csg set @ 6773'.

12/16/2018 Mixed & pump Lead: 1000 sx Class H cmt, 10.5 ppg, 3.43 yield. Tail w/1150 sx Class H cmt, 14.5 ppg, 1.22 yield. Circ 278 sx to surface. WOC.

12/17/2019 Released rig.

Completion Ops:

01/29/2019 Test csg to 6770# for 30 mins. Ending psi 7072#.

02/22/2019 to

02/28/2019 Perf Bone Spring @ 7567'-12,146', 748 holes, .41". Frac w/181,886 bbls total fluid & 8,796,949# sand.

03/04/2019 DO plugs & CO to PBTD @ 12,193'. SI well.

03/10/2019 RIH w/ 2-7/8" 6.5# L-80 8rd EUE prod tbg & pkr, set @ 6833'.

03/17/2019 Turn well to production.

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.
NMNM130854

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: **FATIMA VASQUEZ**
 E-Mail: **fvasquez@cimarex.com**

8. Lease Name and Well No.
COTTONBERRY 20 FEDERAL 1H

3. Address **600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701** 3a. Phone No. (include area code)
 Ph: **432.620.1933**

9. API Well No.
30-015-45147

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 Sec 20 T25S R27E Mer
 At surface **NWNW 950FNL 609FWL 32.120136 N Lat, 104.218878 W Lon**
 At top prod interval reported below
 Sec 20 T25S R27E Mer
 At total depth **SWSW 101FSL 673FWL**

10. Field and Pool, or Exploratory
COTTONWOOD DRAW; BS (O)
 11. Sec., T., R., M., or Block and Survey
or Area **Sec 20 T25S R27E Mer**
 12. County or Parish
EDDY
 13. State
NM

14. Date Spudded
12/04/2018
 15. Date T.D. Reached
12/15/2018
 16. Date Completed
 D & A Ready to Prod.
 03/17/2019

17. Elevations (DF, KB, RT, GL)*
3149 GL

18. Total Depth: MD 12196 TVD 7377
 19. Plug Back T.D.: MD 12193 TVD 7377
 20. Depth Bridge Plug Set: MD TVD

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 J-55	48.0	0	420		500		0	
12.250	9.625 J-55	36.0	0	1892		750		0	
8.750	5.500 L-80	17.0	0	12196		2150		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)
2.875	6833	6833						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	5519		7567 TO 12146	0.410	748	PRODUCING
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
7567 TO 12146	181,886 BBLs OF TOTAL FLUID & 8,796,949# SAND

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/17/2019	04/06/2019	24	▶	1561.0	2466.0	1270.0	47.9		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
62	SI 643	1035.0	▶	1561	2466	1270	1580	POW	

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
			▶						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well:	
	SI		▶						

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

ELECTRONIC SUBMISSION #468171 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPI**

Pending BLM approvals will subsequently be reviewed and scanned

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	1955	2942	WATER	RUSTLER	0
CHERRY CANYON	2942	3963	WATER	TOP SALT	1198
BRUSHY CANYON	3963	5519	OIL/WATER/GAS	BASE SALT	1761
BONE SPRING	5519		OIL/WATER/GAS	BELL CANYON	1955
				CHERRY CANYON	2942
				BRUSHY CANYON	3963
				BONE SPRING	5519

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 #468171 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) FATIMA VASQUEZ Title REGULATORY ANALYST

Signature (Electronic Submission) Date 06/07/2019

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.