

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

HOBBS OCD

SEP 05 2019

RECEIVED

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 St. Suite 600 Midland, TX 7901		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW / 07/11/2019
⁴ API Number 30-025-44137	⁵ Pool Name WC-025 G-09 S253309P; Upr Wolfcamp	⁶ Pool Code 98180
⁷ Property Code 319775	⁸ Property Name Vaca Draw 20-17 Federal	⁹ Well Number 3H

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
N	20	25S	33E		390	South	1930	West	Lea

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
C	17	25S	33E		50	North	2451	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 07/11/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

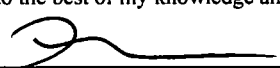

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Sunoco R&M PO Box 2039 Tulsa OK 74102	O
320009	Enlink Midstream Operating, LP 1722 Routh St., Suite 1300 Dallas, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 12/06/2018	²² Ready Date 07/11/2019	²³ TD 22,454'	²⁴ PBTD 22,369'	²⁵ Perforations 12,841'-22,344'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4"	1028'	870 sx - TOC 0		
9-7/8" / 8-3/4"	7-5/8"	12,634'	2460 sx - TOC 0		
6-3/4"	5-1/2" / 5"	11,926' / 22,454'	1150 sx - TOC @ 3540'		

V. Well Test Data

³¹ Date New Oil 07/11/2019	³² Gas Delivery Date 07/11/2019	³³ Test Date 07/15/2019	³⁴ Test Length 24	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 3945
³⁷ Choke Size 24	³⁸ Oil 914	³⁹ Water 2786	⁴⁰ Gas 2677		⁴¹ Test Method F

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: 	OIL CONSERVATION DIVISION	
Printed name: Fatima Vasquez	Approved by: 	
Title: Regulatory Analyst	Title: L.M.	
E-mail Address: fvasquez@cimarex.com	Approval Date: 9/9/2019	
Date: 08/28/2019	Phone: (432) 620-1933	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELL 692019**
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 page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. VACA DRAW 20-17 FEDERAL 003H
2. Name of Operator CIMAREX ENERGY COMPANY Contact: PAM STEVENS E-Mail: pstevens@cimarex.com	9. API Well No. 30-025-44137
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701	10. Field and Pool or Exploratory Area WILDCAT WOLFCAMP(OIL)
3b. Phone No. (include area code) Ph: 432-571-7831	11. County or Parish, State LEA COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R33E SESW 390FSL 1930FWL 32.109781 N Lat, 103.596144 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	Production Start-up
	<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.

Completion:
04/11/2019 Test casing to 1500# for 30 mins. Good test. SWI.
05/17/2019 to
06/15/2019 Perf Wolfcamp @ 12,841' - 22,344', 990 holes, 0.40".
Frac w/460,172 bbls total fluid & 21,970,816# sand.
06/30/2019 DO plugs.
07/02/2019 Finish DO plugs. Circulate well clean. SI.
07/10/2019 TTP.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #480166 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs	
Name (Printed/Typed) PAM STEVENS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/23/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 _____

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.

(Instructions on page 2)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTHOBBS OCD
SEP 05 2019FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM26394		
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"/> Other			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: FATIMA VASQUEZ E-Mail: fvasquez@cimarex.com		
3. Address 600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432.620.1933		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 20 T25S R33E Mer At surface SESW 390FSL 1930FWL 32.109906 N Lat, 103.596617 W Lon At top prod interval reported below Sec 17 T25S R33E Mer At total depth NENW 50FNL 2451FWL			8. Lease Name and Well No. VACA DRAW 20-17 FEDERAL 3H		
14. Date Spudded 12/06/2018			15. Date T.D. Reached 03/04/2019		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/11/2019			9. API Well No. 30-025-44137		
18. Total Depth: MD 22454 TVD 12568			19. Plug Back T.D.: MD 22369 TVD 12569		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory WC-025 G-09 S253309A; UP		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL			11. Sec., T., R., M., or Block and Survey or Area Sec 20 T25S R33E Mer		
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)			12. County or Parish LEA		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3418 GL			17. Elevations (DF, KB, RT, GL)* 3418 GL		

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
14.750	10.750 J-55	45.5	0	1028		870		0	
9.875			0	1200					
6.750	5.500 HCP-110	23.0	0	11926					
8.750	7.625 HCL-80	29.7	0	12634		2460		0	
6.750	5.000 HCP-110	18.0	11926	22454		1150		3540	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12189		12841 TO 22344	0.400	990	PRODUCING
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
12841 TO 22344	460,172 BBLs TOTAL FLUID & 21,970,816# SAND

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/11/2019	07/15/2019	24	→	914.0	2677.0	2786.0	45.6		FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	0	3945.0	→	914	2677	2786	2929	POW	

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	
			→						

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

ELECTRONIC SUBMISSION #480975 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
RUSTLER	935	935	DOLOMITE/ANHYDRITE: WATER	RUSTLER	935
TOP OF SALT	1298	1298	SALT: BARREN	TOP OF SALT	1298
BELL CANYON	4937	4937	SANDSTONE: WATER	BELL CANYON	4937
CHERRY CANYON	5990	5990	SANDSTONE: WATER	CHERRY CANYON	5990
BRUSHY CANYON	7536	7536	SANDSTONE: WATER	BRUSHY CANYON	7536
BONE SPRING	9032	9032	LIMESTONE: WATER	BONE SPRING	9032
AVALON	9312	9312	SHALE: OIL, WATER, GAS	AVALON	9312
WOLFCAMP	12189	12189	SHALE: OIL, WATER, GAS	WOLFCAMP	12189

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 #480975 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (please print) FATIMA VASQUEZTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 08/29/2019

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.

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



Cimarex Energy Co.

600 N. Marienfeld St. ♦ Suite 600 ♦ Midland, TX 79701 ♦ (432) 620-1938 ♦ Fax (432) 620-1940

A subsidiary of Cimarex Energy Co. • A NYSE Listed Company • "XEC"

August 28, 2019

State of New Mexico
Oil Conservation Division – District 1
1625 N. French Drive
Hobbs, NM 88240

Re: Request for Exception to Rule 107J
Tubingless Completion
Vaca Draw 20-17 Federal #3H – 30-025-44137
Lea County, NM

Dear Sir:

Cimarex Energy Co. respectfully requests an exception to NMOCD Rule 107J, well tubing requirements. Cimarex request a tubingless completions for our Vaca Draw 20-17 Federal #3H well to allow for greater flowback after frac stimulation.

Cimarex plans to install production tubing as soon as flow decreases, which should occur within 6 months.

Thank you for your consideration of this request. Please feel free to contact me if you need additional information.

Sincerely,

A handwritten signature in black ink, appearing to be "Fatima Vasquez", with a long horizontal line extending to the right.

Fatima Vasquez
Regulatory Analyst
432-620-1933