

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 **HOBBS OCD**

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
SEP 09 2019

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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 / 07/10/2019 |
| ⁴ API Number 30-025-45290 | 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 13H |

II. ¹⁰Surface 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 | 33E | | 330 | South | 730 | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 17 | 25S | 33E | | 50 | North | 1629 | West | Lea |

| 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 | F | 07/10/2019 | | | |

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 |
| | | |
| | | |
| | | |
| | | |

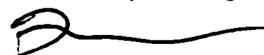
IV. Well Completion Data

| ²¹ Spud Date | ²² Ready Date | ²³ TD | ²⁴ PBTB | ²⁵ Perforations | ²⁶ DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 12/01/2018 | 07/10/2019 | 22,542' | 22,455' | 12,800'-22,430' | |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 14-3/4" | 10-3/4" | 1049' | 870 sx - TOC 0 | | |
| 9-7/8" / 8-3/4" | 7-5/8" | 12,699' | 2460 sx - TOC 0 | | |
| 6-3/4" | 5-1/2" / 5" | 11,933' / 22,542' | 1160 sx - TOC @ 4170' | | |
| | | | | | |

V. Well Test Data

| ³¹ Date New Oil | ³² Gas Delivery Date | ³³ Test Date | ³⁴ Test Length | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 07/10/2019 | 07/10/2019 | 07/16/2019 | 24 | 0 | 3695 |
| ³⁷ Choke Size | ³⁸ Oil | ³⁹ Water | ⁴⁰ Gas | ⁴¹ Test Method | |
| 28 | 1306 | 3953 | 2507 | 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: 

Printed name:
Fatima Vasquez

Title:
Regulatory Analyst

E-mail Address:
fvasquez@cimarex.com

Date:
08/29/2019

Phone:
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:



Title:

L.M.

Approval Date:

9/9/2019

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.

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APR 5 2019
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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 | | 5. Lease Serial No. NMNM26394 |
| 2. Name of Operator CIMAREX ENERGY COMPANY Contact: PAM STEVENS E-Mail: pstevens@cimarex.com | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701 | 3b. Phone No. (include area code) Ph: 432-571-7831 | 7. If Unit or CA/Agreement, Name and/or No. |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R33E SWSW 330FSL 730FWL 32.109739 N Lat, 103.600489 W Lon | | 8. Well Name and No. VACA DRAW 20-17 FEDERAL 013H |
| | | 9. API Well No. 30-025-45290 |
| | | 10. Field and Pool or Exploratory Area WC-025 G-09 S253309P;U WC |
| | | 11. County or Parish, State LEA COUNTY, NM |

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 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 must 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 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:
04/06/2019 Test casing to 1500# for 30 mins. Good test. SWI.
04/17/2019 to
05/15/2019 Perf Wolfcamp @ 12,800' - 22,430', 990 holes, 0.40'.
Frac w/455,713 bbls total fluid & 21,998,071# 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 #480904 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 08/29/2019 |

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 MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NOBBS OCD
SEP 05 2019
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5. Lease Serial No. NMMN26394

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. VACA DRAW 20-17 FEDERAL 13H

9. API Well No. 30-025-45290

10. Field and Pool, or Exploratory WC-025 G-09 S253309A; UP

11. Sec., T., R., M., or Block and Survey or Area Sec 20 T25S R33E Mer

12. County or Parish LEA 13. State NM

14. Date Spudded 12/01/2018 15. Date T.D. Reached 03/30/2019 16. Date Completed D & A Ready to Prod. 07/10/2019 17. Elevations (DF, KB, RT, GL)* 3423 GL

18. Total Depth: MD 22542 TVD 12514 19. Plug Back T.D.: MD 22455 TVD 12514 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) RCBL-GAMMA 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 |
|-----------|---------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 14.750 | 10.750 J-55 | 40.5 | 0 | 1049 | | 870 | | 0 | |
| 6.750 | 5.500 HCP-110 | 23.0 | 0 | 11933 | | | | | |
| 9.875 | | | 0 | 12027 | | | | | |
| 8.750 | 7.625 HCL-80 | 29.7 | 0 | 12699 | | 2460 | | 0 | |
| 6.750 | 5.000 HCP-110 | 18.0 | 11933 | 22542 | | 1160 | | 4170 | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| | | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|-------|-----------|--------------|
| A) WOLFCAMP | 12194 | | 12800 TO 22430 | 0.400 | 990 | PRODUCING |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 12800 TO 22430 | 455,713 BBLs TOTAL FLUID & 21,998,071# 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 07/10/2019 | 07/16/2019 | 24 | → | 1306.0 | 2507.0 | 3953.0 | 45.6 | | FLOWS FROM WELL |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 28 | SI | 3695.0 | → | 1306 | 2507 | 3953 | 1920 | 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 | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | SI | | → | | | | | | |

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

ELECTRONIC SUBMISSION #481217 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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



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 29, 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 #13H – 30-025-45290
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 #13H 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", written over a horizontal line.

Fatima Vasquez
Regulatory Analyst
432-620-1933