

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

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.

Case Serial No.
NMNM26394

SUBMIT IN TRIPLICATE - Other instructions on page 2		6. If Indian, Allottee or Tribe Name
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator CIMAREX ENERGY COMPANY	7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701	Contact: HOPE KNAULS E-Mail: hknauls@cimarex.com	8. Well Name and No. VACA DRAW 20-17 FEDERAL 8H
3b. Phone No. (include area code) Ph: 918-585-1100	9. API Well No. 30-025-44359-00-X1	10. Field and Pool or Exploratory Area WC025G09S253309A-UPPER WC
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R33E SWSW 330FSL 710FWL	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 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 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.

Drilling Ops:

12/24/2018 - Spud well, TD 14 3/4" surface hole at 1023'. RIH w/10 3/4" 45.5# J-55 BT&C csg & set @ 1023'.
 12/25/2019 - Mixed and pumped Lead: 550 sx Class C, 13.7 ppg, 1.664 yield. Tail w/320 sx Class C, 14.8 ppg, 1.348 yield. Circ 307 sx to surface. WOC 8 hrs.
 12/27/2018 - Test casing to 1500# for 30 min. OK.
 01/06/2019 - TD 9 7/8" hole @ 11749' (KOP). TOOH for curve assembly to drill 8 3/4" hole.
 01/08/2019 - TD 8 3/4" curve @ 12484'.
 01/09/2019 - Ran 7 5/8" 29.7# HCL-80/L-80 csg set @ 12484' w/DV tool @ 4832'.
 01/10/2019 - Mixed and pump 1st Stage Lead: 1010 sx Class C, 10.5 ppg, 3.4 yield. Tail w/250 sx Class C, 14.5 ppg, 1.23 yield. Stage 2: 1200 sx Class H, 12.9 ppg, 1.87 yield. Circ 360 sx to surface. WOC cmt 4 hrs.

[Handwritten initials and checkmark]

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #465831 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 05/20/2019 (19PP1944SE)

Name (Printed/Typed) HOPE KNAULS	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 05/20/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title Accepted for Record	Date MAY 22 2019
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 Jonathon Shepard Carlsbad Field 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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #465831 that would not fit on the form

32. Additional remarks, continued

01/11/2019 - Tested csg to 1500# for 30 mins. OK.

03/08/2019 - TD 6 3/4" lateral @ 22328'.

03/10/2019 - RIH w/tapered casing string: 5 1/2" 23# P-110 LT&C csg set @ 0?-11680?; Xover @ 11680'-11682'; 5", 18#, P110, BTC csg set @ 11682'-22328'. Mixed and pump 1160 sx Class H, 14.5 ppg, 1.225 yield. Circ 0 sx to surface. WOC 4 hrs.

03/12/2019 - Released rig.