

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. NMNM129267  
6. If Indian, Allottee or Tribe Name  
7. If Unit or CA/Agreement, Name and/or No. NMNM138940  
8. Well Name and No. WEST GRAMA RIDGE 8-5 FED COM 3H  
9. API Well No. 30-025-44840-00-X1  
10. Field and Pool or Exploratory Area BONE SPRINGS GRAMA RIDGE-BONE SPRINGS, WE  
11. County or Parish, State LEA 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: TERRI STATHEM RECEIVED  
E-Mail: tstathem@cimarex.com

3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701  
3b. Phone No. (include area code) Ph: 432-620-1936

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 8 T22S R34E SWSW 457FSL 590FWL 32.400227 N Lat, 103.498680 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 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 recomplate 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.

08/06/18 spud well.  
08/07/18 TD 17-1/2" surface hole @ 1635'. RIH w/ 13-3/8", 54.5#, J55, BTC csg & set @ 1635'. Mix & pump lead: 1150 sx Class C, 13.5 ppg, 1.73 yld; tail w/ 300 sx Class C, 14.8 ppg, 1.34 yld. Circ 542 sx to surface. WOC 9 hrs.  
08/09/18 Test csg to 1500# for 30 mins. Ok.  
08/11/18 TD 12-1/4" vertical hole @ 5160'. RIH w/ 9-5/8", 40#, J55, LTC csg & set @ 5160'.  
08/12/18 Mix & pump lead: 1425 sx Class H, 1q2.9 ppg, 1.78 yld; tail w/ 330 sx 14.8 ppg, 1.37 yld. Circ 114 sx to surface. WOC 9 hrs.  
08/13/18 Test csg to 1500# for 30 mins. Ok.  
08/20/18 landed 8-3/4" curve. TOOH w/ curve assembly.  
08/21/18 PU lateral assembly. Drill lateral.

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #449089 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs Committed to AFSSS for processing by PRISCILLA PEREZ on 01/28/2019 (19PP0733SE)

Name (Printed/Typed) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE  
Signature (Electronic Submission) Date 01/07/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date JAN 29 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 /s/ Jonathon Shepard

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.

**Additional data for EC transaction #449089 that would not fit on the form**

**32. Additional remarks, continued**

09/01/18 TD 8-3/4" hole @ 20640'. TOOH w DP & LD.  
09/04/18 RIH w/ 5-1/2", P110, CY, LTC/BTC csg & set @ 20640'.  
09/05/18 Mix & pump lead: 1350 sx Class H, 10.5 ppg, 2.88 yld; tail w/ 2831 sx  
Class H, 14.5 ppg, 1.19 yld. TOC @ 1900'. WOC. ✓

**Completion**

09/12/18 RIH & tag PBD @ 20615'. Pressure test to 9900# for 30 mins.  
Ok.Chart.  
09/13/18 to  
09/24/18 Perf Bone Spring @ 10490-20590', 1661 holes, .41. Frac w/ 466966  
bbbls total fluid & 24257056# sand.  
9/25/18 SWI pending drilling out.  
09/28/18 to  
9/29/18 Drill out plugs & CO to PBD. Flowback well.  
09/30/18 Turn well over to production.