

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
OCD Artesia

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.

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. COTTONBERRY 20 FEDERAL 5H
2. Name of Operator CIMAREX ENERGY COMPANY Contact: FATIMA VASQUEZ E-Mail: fvasquez@cimarex.com	9. API Well No. 30-015-45148-00-X1
3a. Address 600 N MARIENFELD STE 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 976FNL 639FWL 32.120064 N Lat, 104.218781 W Lon	10. Field and Pool or Exploratory Area COTTONWOOD DRAW-BONE SPRING
	11. County or Parish, State EDDY 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 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.

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

GC Accepted for record 7/24/19
NMOCD RECEIVED
JUL 23 2019
DISTRICT II-ARTESIA O.C.D.

Drilling Ops:

- 11/19/2018 Spud well. TD 17-1/2" surface hole at 411'. RIH w/13-3/8" 48# J-55 ST&C csg & set @ 411'.
- 11/20/2018 Mixed & pumped 500 sx Class C cmt, 14.8 ppg, 1.346 yield. Circ 159 sx to surface. WOC 8 hrs.
- 11/21/2018 Test casing to 1500# for 30 mins. OK.
- 11/22/2018 TD 12-1/4" hole @ 1900'. RIH w/ 9-5/8" 36# J-55 LT&C csg set @ 1890'. Mixed & pump Lead: 500 sx Class C cmt, 13.7 ppg, 1.66 yield. Tail w/ 250 sx Class C cmt, 14.8 ppg, 1.344 yield. Circ 236 sx to surface. WOC cmt 12 hrs. 11/23/2018 Tested csg to 2437 for 30 mins. OK.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #468376 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad Committed to AFSSS for processing by PRISCILLA PEREZ on 06/10/2019 (19PP2143SE)	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/10/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title Accepted for Record	Date JUN 18 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 #468376 that would not fit on the form

32. Additional remarks, continued

11/26/2018 Landed curve @ 8234'.
12/01/2018 TD 8-3/4" hole @ 12,828'.
12/02/2018 RIH w/ 5-1/2" 20# L-80 BT&C and set @ 7070'-12,828'. RIH w/ 5-1/2" 20# L-80 LT&C csg set @ 7070'. Mixed & pump Lead: 980 sx Class H cmt, 10.5 ppg, 3.448 yield. Tail w/1375 sx Class H cmt, 14.5 ppg, 1.225 yield. Circ 252 sx to surface. WOC.
12/03/2019 Released rig.

Completion Ops:

01/29/2019 Test csg to 7825# for 30 mins. Ok.
02/22/2019 to
02/28/2019 Perf Bone Spring @ 8040'-12,772', 782 holes, .41". Frac w/190,826 bbis total fluid & 9,288,039# sand.
03/02/2019 DO plugs & CO to PBTD @ 12,825'. SI well.
03/07/2019 RIH w/ 2-7/8" 6.5# L-80 8rd EUE prod tbg & pkr, set @ 7321'.
03/17/2019 Turn well to production.