

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.

Lease Serial No.
NMNM0441951A

Carlsbad Field Office
CD Artesia

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. WHITE CITY 31 FED 3	
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: AMITHY E CRAWFORD E-Mail: acrawford@cimarex.com	9. API Well No. 30-015-34300-00-S1	
3a. Address 202 S CHEYENNE AVE SUITE 1000 TULSA, OK 74103.4346	3b. Phone No. (include area code) Ph: 432-620-1909	10. Field and Pool or Exploratory Area WHITE CITY-WOLFCAMP
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T24S R26E NWNW 950FNL 1000FWL		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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" 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 recomple 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.

White City 31 Federal #3 - Cisco Canyon/Wolfcamp Recompletion
Plugback/Recompletion Ops
DHC # 4802

GC 6-28-18
Accepted for record - NMOCD

03/09/2017 POOH w/ tbg & pkr. RIH with CIBP and set at 11317'. Mix & pump 25 sx Class H cmt. Abandon Morrow. SWI.
03/11/2017 Tag TOC 11096'. SWI.
3/14/2017 to 3/23/2017 Test casing to 8500#, leaked off to 7000# in 15 mins; Test csg to 8500#, leaked off to 5200# in 30 min. MIRU - Shoot 4 squeeze holes @ 10270'. Set cmt ret @ 8406'. Shot 4 squeeze holes @ 8536'. DO cmt ret @ 8406'.
03/24/2017 Set cmt ret @ 10264'.
03/25/2017 Squeeze perms @ 10270' w/ 395.sx cmt. Test csg to 1500#.

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 27 2018
RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #423781 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 06/13/2018 (17PP0342SE)		Name (Printed/Typed) AMITHY E CRAWFORD		Title REGULATORY ANALYST	
Signature (Electronic Submission)		Date 06/13/2018		<div style="border: 2px solid black; padding: 5px; text-align: center;"> ACCEPTED FOR RECORD </div>	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Approved By _____		Title _____		Date JUN 13 2018	
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 BUREAU OF LAND MANAGEMENT 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 #423781 that would not fit on the form

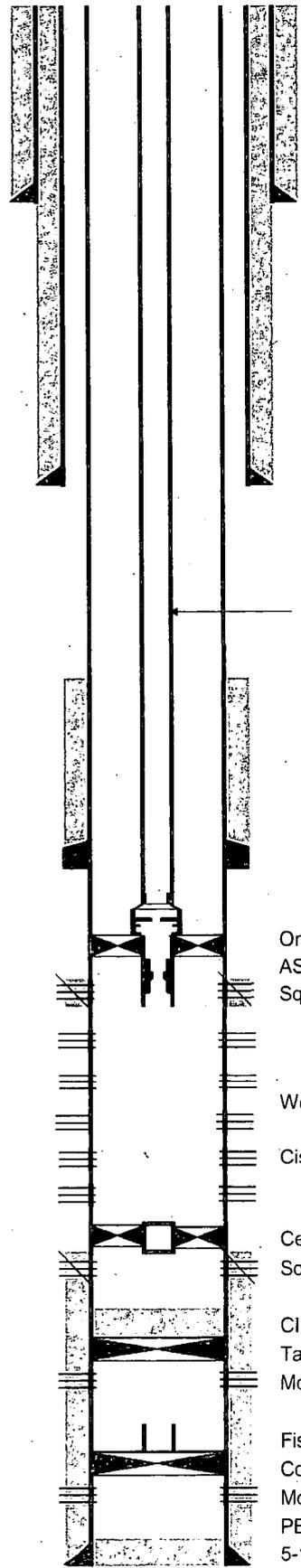
32. Additional remarks, continued

03/26/2017 TIH w/ pkr & set @ 8128'. Squeeze perms @ 8356' w/ 395 sx cmt.
03/28/2017 TOO H w/ tbg & pkr. DO cmt @ 8299-8376'. Test csg to 3700#.
03/29/2017 DO cmt @ 10124-10264'.
04/01/2017 Stage cmt. Mix & pump 150 sx H. Displ w/ 34 bbls FW. ISIP @ 2100#.
04/02/2017 DO cmt 8016-8082'. Circ clean.
04/06/2017 Test squeeze perms to 8500#; drop to 7500# & held.
04/07/2017 RIH w/ CBP & set @ 8406'. SWI
04/08/2017 Set pkr @ 7481'. EOT @ 7935'. Pump 1 bbl of well lock. SDFWE.
04/11/2017 Set pkr @ 6343' & EOT @ 6733'. Pump 1 bbl of well lock. SWI.
04/13/2017 TOO H w/ prk & tbg. SWI.
04/15/2017 to 04/19/2017 RIH w/ mill & DO well lock to 6997-7147. SWI.
04/20/2017 Tested casing to 8500 psi and lost 20 psi in 30 minutes. Therefore, the leak at the DV tool 7,154' had been remediated successfully. DO CBP @ 7204'.
04/21/2017 DO well lock 8317-8406.
04/26/2017 Set pkr @ 7554', EOT @ 7965'. Pump 1.51 bbls of well lock. SWI.
04/28/2017 RIH w/ mill to DO well lock.
04/29/2017 DO well lock @ 8289-8400'. SDFWE.
05/02/2017 Load csg & test to 4800# for 30 mins. Held.
05/03/2017 Test csg to 8500#. Press held @ 6000# for 35 mins. Est circ. DO @ 8400-8465'. Push CBP to 10256'. SWI. This leak was squeeze holes intentionally shot at 8,356', and was within the Wolfcamp interval. BLM accepted 8,337' as top of Wolfcamp as per Terri Stathem 4/21/17. Decision made to proceed with frac.
05/06/2017 Test stack & WH to 5000#. Held. Test frac valves & tree to 10000#. Held.
5/11/2017 Perforate Cisco Canyon from 9947'-10170'. 59 holes .42. Frac with 407906 gal slickwater and 566956 lbs total prop.
5/21/2017- Perforate Wolfcamp from 8456'-9927'. 236 holes. .42. Frac with 1448168 gal slickwater and 1934492 lbs total prop.
5/23/2017- Drill out plugs and CO to 10264'
5/27/2017- RIH 2 3/8" tubing packer and GLVs set at 8326'
6/3/2017- Flowback and Turn well over to production.



Ciscamp WBD
KB - 23' above GL

Cimarex Energy Co. of Colorado
White City 31 Federal #3
950' FNL & 1000' FWL
Sec. 31, T-24-S, R-26-E, Eddy Co., NM
S. Runyan 7/20/2017



13-3/8", 48# H-40 csg @ 215'
cmtd w/ 210 sx, cmt circ.

TOC @ 1376' by CBL

9-5/8", 40# J-55 csg @ 1938'
cmtd w/ 725 sx, cmt circ

2 3/8" 4.7# L-80 Tbg

TOC @ 6030' by CBL

DV Tool @ 7154'
cmtd w/ 1180 sx

On-off Tool w/ 1.875" Profile nipple @ 8339'
AS-1X pkr @ 8347'
Squeeze holes at 8536'

Wolfcamp perms (8,456' - 9,927')

Cisco Canyon perms (9,947' - 10,170')

Cement retainer at 10,264'
Squeeze holes at 10,270'

CIBP @ 11317' w/ 25 sx cmt pumped on top
Tagged TOC @ 11,096'
Morrow perms (11368' - 11829')

Fish (Bit, bit sub, and 5' of tbg)
Composite BP @ 11940'
Morrow perms (11466' - 11780')

PBTD @ 12070'
5-1/2" 17# P-110 @ 12130', cmtd w/ 1000 sx
TD @ 12135'