

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**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.

ocd- Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 20105. Lease Serial No.
NMLC062085

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.
WEST SHUGART 31 FEDERAL COM 5 ✓9. API Well No.
30-015-38221-00-X110. Field and Pool, or Exploratory
SHUGART11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator Contact: NATALIE E KRUEGER
☒ CIMAREX ENERGY COMPANY OF CO E-Mail: nkrueger@cimarex.com3a. Address
600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-620-1936
Fx: 432-620-19404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 31 T18S R31E NESE 1980FSL 375FEL ✓
UL I

12. CHECK 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"/> Fracture Treat	<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	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

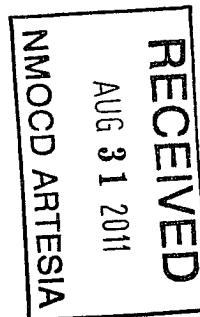
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall 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:

04-04-11 Spud 17.5 in hole.
04-05-11 Ran 13.375 in 48# H40 STC @ 615. Cemented with lead 320 x Extendacem CZ, tail 220 sx Halcem C, circ 128 sx, WOC 29 hrs.
04-06-11 Tested to 1211# for 30 min, ok.
04-10-11 In 12.25 in hole, ran 9.625 in 40# J55 LTC @ 3646.
04-11-11 Cemented with lead 1100 sx Econocem HLC, tail 215 sx Halcem C, circ 79 sx, WOC 33 hrs.
04-12-11 Tested to 1500# for 30 min, ok.
04-17-11 TD 8.75 in pilot hole @ 9100.
04-19-11 TIH to 9055 and set 350 sx Pluggcem cement plug and tagged @ 8257. Dressed plug to 8427.
04-20-11 Kicked off 8.75 in lateral @ 8427.
04-29-11 TD lateral @ 12978 MD, 8749 TVD.

Accepted for record - NMOC

Ded 9-1-11



14. Thereby certify that the foregoing is true and correct.

Electronic Submission #115532 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH MCKINNEY on 08/22/2011 (11DLM1221SE)

Name (Printed/Typed) NATALIE E KRUEGER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/19/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**JAMES A AMOS
Title SUPERVISOR EPS

Date 08/28/2011

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 Carlsbad

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.

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

Additional data for EC transaction #115532 that would not fit on the form

32. Additional remarks, continued

05-11-11 Ran 5.5 in 17# P110 csg from 0-12961. LTC 0-8314. BTC 8314-9167. LTC 9167-12961. Cemented with lead 750 sx Econocem H, tail 1300 sx Versacem H, no circ. Tested to 2264# for 30 min, ok. RR.
05-12-11 TS TOC 460.

Completion:

05-18-11 Perf Bone Spring 12301-12910 5 sof, 40 holes.
05-23-11 Frac with 199,870 gal 20# Borate XL & 236,809# 20/40 SLC. Set CBP @ 12213.
Perf Bone Spring 11515-12114 5 spf, 40 holes. Frac with 189,678 gal 20# Borate XL & 255,943# 20/40 SLC. Set CBP @ 11417.
Perf Bone Spring 10719-11318 5 spf, 40 holes. Frac with 164,458 gal 20# Borate XL & 251,834# 20/40 SLC. Set CBP @ 10621.
Perf Bone Spring 9923-10522 5 spf, 40 holes. Frac with 197,320 gal 20# Borate XL & 248,391# 20/40 CRC.
06-10-11 Isolated casing leak between 3770 and 3802.
06-13-11 Set CICR @ 3100. Pumped 175 sx Class C.
06-14-11 Drilled out CICR @ 3100 and drilled down to 3825. Pumped 125 sx C. Pressured up to 2000#, ok.
06-16-11 Tagged cmt @ 3277 and drilled out.
06-17-11 Drilled out CBP @ 9150. Test casing and CIBP @ 9825 to 1500#, ok.
06-24-11 Set CBP @ 9820.
06-25-11 Perf Bone Spring 9127-9726 5 spf, 40 holes.
06-30-11 Frac with 160,894 gal 20# Borate XL & 248,084# 20/40 CRC Sand.
07-22-11 Began DO CBPs. Could not drill up CBP @ 12213.
07-29-11 Installed production tubing string (2.875 in L80 to 8310) and Weatherford rod pump.
07-30-11 Turned over to production.
08-02-11 First oil production.
08-03-11 First gas production.