

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO 1004-0135  
Expires July 31, 2010**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 Hobbs  
NOV 07 2012**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

RECEIVED

1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No NMNM124663
2 Name of Operator CIMAREX ENERGY COMPANY OF CO Contact TERRI STATHEM E-Mail tstathem@cimarex.com		6 If Indian, Allottee or Tribe Name
3a Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	3b Phone No. (include area code) Ph: 432-620-1936	7 If Unit or CA/Agreement, Name and/or No
4 Location of Well (Footage, Sec, T, R, M, or Survey Description) Sec 23 T20S R34E NWNE 326FNL 1727FEL		8 Well Name and No LYNCH 23 FEDERAL COM 4
		9 API Well No 30-025-40726-00-X1
		10 Field and Pool, or Exploratory LEA
		11 County or Parish, and State LEA COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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.)

Cimarex Energy respectfully requests approval to set a DV tool @ 3500' and cement as follows.

**Proposed Csg/Cmt Plan -****1) Intermediate Cement Design and Setting Depth**

a. Setting Depth. 5,480'

b. 1st stage cement. Lead 275 sacks, 12.9 ppg, 1.88 cuft/sk; Tail 350 sacks, 14.8 ppg, 1.33 cuft/sk

c. DV tool and ACP set at 3,500'

d. 2nd stage cement: 1,000 sacks 12.9 ppg, 1.88 cuft/sk

**2) Production Casing Design Change**

a. 5-1/2" 17# P110 BTC from TD to 9,000' (5,070')

b. 5-1/2" 17# P110 LTC from 9,000' to surface

**3) Production Casing Centralization****SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct <b>Electronic Submission #156335 verified by the BLM Well Information System</b> <b>For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs</b> <b>Committed to AFMSS for processing by KURT SIMMONS on 11/01/2012 (13KMS1378SE)</b>	
Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/25/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 11/01/2012
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 Hobbs

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 \*\*****SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

NOV 08 2012

**Additional data for EC transaction #156335 that would not fit on the form**

**32. Additional remarks, continued**

a No centralization in the lateral

Lynch 23 Federal #4H

**Production Casing Centralization**

- a. Centralizers every 4<sup>th</sup> joint in vertical hole to planned TOC @ 5100'.
- b. Centralizers every joint in curve
- c. No centralizers in lateral

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

## CONDITIONS OF APPROVAL

Sundry dated 10/25/2012

OPERATOR'S NAME:	CIMAREX ENERGY
LEASE NO.:	NM28880
WELL NAME & NO.:	4-LYNCH 23 FEDERAL COM
SURFACE HOLE FOOTAGE:	0326'/N. & 1727'/E.
BOTTOM HOLE FOOTAGE	0330'/S. & 1980'/E.
LOCATION:	Section 23, T. 20 S., R. 34 E., NMPM
COUNTY:	Lea County, New Mexico

Original COA still applies with the following changes:

1. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash.**

b. Second stage above DV tool:

- ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.

**Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.**

**The pilot hole plugging procedure is approved as written.**

**Production Casing Centralization approved as written**

2. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- ☒ Cement as proposed. Operator shall provide method of verification.

**EGF 110112**