

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.*5. Lease Serial No.  
NMNM84729

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

AUG 18 2014

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
CUERVO FEDERAL 23H

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: DEYSI FAVELA

E-Mail: dfavela@cimarex.com

9. API Well No.  
30-025-41921-00-X1

3a. Address

600 NORTH MARIENFELD STREET, SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-620-1964

10. Field and Pool, or Exploratory  
WILDCAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T23S R32E NWNW 330FNL 375FWL  
32.183971 N Lat, 103.390991 W Lon

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 APD
	<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 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 shall 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 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 Co. respectfully request the BLM to make the following changes to the Cuervo Federal 23H well due to the seepage losses seen during the drilling of the offset wells. These changes will help to ensure cement is raised into the intermediate casing set at 4950'.

Proposed:

Set DV tool with Annular Casing packer + 7000'.

Stage #1 Lead = 320 sx of 35:65 Poz/H+3%D20+1.2%D079+0.7%D112+0.2%D046+0.1%D065+0.6%D800+0.09%D208  
Density = 11.90 ppg Yield = 2.33 cuft/sk. TOC @ 7000' (DV Tool)

Stage #1 Tail = 1,250 sx of 50:50 Poz/H + 0.2% D046+0.3%D167+0.1%D065+0.06%D208. Density = 14.50 ppg Yield = 1.3 cuft/sk TOT = 9,000'.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #253230 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by CHRISTOPHER WALLS on 08/13/2014 (14CRW0199SE)	
Name (Printed/Typed) DEYSI FAVELA	Title DRILLING TECHNICIAN
Signature (Electronic Submission)	Date 07/16/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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 _____
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.	

APPROVED

AUG 13 2014

/s/ Chris Walls  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

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**Additional data for EC transaction #253230 that would not fit on the form**

**32. Additional remarks, continued**

Stage #2 = 600 sx of 35:65 Poz/H+3%D20+1.2%D079+0.7%D112+0.2%D046+0.1%D065+0.6%D800+0.09%D208  
Density = 11.90 ppg Yield = 2.33 cuft/sk. TOC @ 4,750'. 9-5/8" intermediate casing shoe set at  
4900': **4950'**

Change in the surface casing,  
Approved:  
13-3/8" 48# ST&C H-40 casing

Proposed:  
Hybrid 13-3/8" 48# ST&C J-55 casing.

Cimarex Energy Co. would like to request a change in the plug back method after the pilot hole is drilled.

Approved:  
open hole mechanical whipstock

Proposed:  
set a balanced cement plug from 9,700' to 8,900', (800 feet) with 356 sacks of cement with  
properties of 17.5 lb/gal, 0.94 cuft/sk.

**plug required from Pilot hole TD to KOP  
see COA**

### Conditions of Approval

**Pilot hole is required to have a plug from the bottom of the hole to the KOP.**

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

**Operator has proposed DV tool at a depth of 7000'. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.**

- 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.

- b. Second stage above DV tool:

☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.