

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM 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.*

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. CASCADE 29 FEDERAL 5H
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com		9. API Well No. 30-025-41243-00-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 WC-025 G08 S253235G
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T25S R33E NWNW 330FNL 500FWL		11. County or Parish, and State LEA COUNTY, NM

JUN 20 2014

RECEIVED

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 Co. respectfully request changes to the original APD:

Approved:  
from 13 3/8" 48# ST&C H-40 casing

Proposed:  
13-3/8" 48# ST&C J-55 casing setting depth will remain unchanged (1039')

Add DV Tool ← Production  
changes to 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 4900'.

*if DV tool varies by more than 100' submit sundry.  
2nd stage may need additional cement - 190 barrels*

14. I hereby certify that the foregoing is true and correct. Electronic Submission #249208 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by CATHY QUEEN on 06/12/2014 (14CQ0047SE)		
Name (Printed/Typed) DEYSI FAVELA	Title DRILLING TECHNICIAN	
Signature (Electronic Submission)	Date 06/11/2014	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>APPROVED</b>    JUN 13 2014  BUREAU OF LAND MANAGEMENT  CARLSBAD FIELD OFFICE </div>
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved By _____	Title _____	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>APPROVED</b>    JUN 13 2014  BUREAU OF LAND MANAGEMENT  CARLSBAD FIELD OFFICE </div>
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.

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

JUN 24 2014

**Additional data for EC transaction #249208 that would not fit on the form**

**32. Additional remarks, continued**

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 = 1,170 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'.

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 @ 4,700'. 9-5/8" intermediate casing shoe set at  
4900'.