

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

NOV 30 2012

**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

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side

HOBBS OCD

5. Lease Serial No. NMNM27573
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. 891016905X
8. Well Name and No. LAGUNA DEEP UNIT 21
9. API Well No. 30-025-40812-00-X1
10. Field and Pool, or Exploratory TEAS Bone Spring
11. County or Parish, and State LEA COUNTY, NM

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator CIMAREX ENERGY COMPANY OF CO	Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com
3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 36 T19S R32E NWNE 660FNL 2310FEL 33		

## 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 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, change 8-5/8" cement plans, and change centralizers on the production casing as follows:

8-5/8" cement job due to lost circulation. Losses encountered starting at 3755'.

Set DV tool and ACP at approximately 3300'. 11.75" Casing is currently set @ 3180".

Stage 1 Lead: 305 sx 35:65 Poz:C @ 12.9 ppg, 1.95 yield  
Stage 1 Tail: 210 sx Class C @ 14.8 ppg, 1.33 yield

Stage 2 Lead: 580 sx 35:65 Poz:C @ 12.9 ppg, 1.95 yield

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. Thereby certify that the foregoing is true and correct.	
Electronic Submission #161175 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by KURT SIMMONS on 11/27/2012 (13KMS1461SE)	
Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/27/2012

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 11/27/2012
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.		

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 \*\***

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**Additional data for EC transaction #161175 that would not fit on the form**

**32. Additional remarks, continued**

Stage 2 Tail: 50 sx Class C @ 14.8 ppg, 1.33 yield

Centralizers on production casing, Cimarex requests that we run centralizers every other joint through curve, and none in lateral.

Verbal approval for DV Tool & 2 stage cement job - C Walls - 11/27/12.

### **Conditions of Approval**

1. The minimum required fill of cement behind the 8-5/8 inch 2<sup>nd</sup> 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.

b. Second stage above DV tool:

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