

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.*

5. Lease Serial No.  
NMNM0392082A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
HALLERTAU 4 FEDERAL 1H

9. API Well No.  
30-025-41069-00-X1

10. Field and Pool, or Exploratory  
WILDCAT

11. County or Parish, and State  
LEA COUNTY, NM

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY COMPANY OF CO  
Contact: TERRI STATHEM  
E-Mail: tstathem@cimarex.com

3a. Address  
600 NORTH MARIENFELD STREET, SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 918-295-1763

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 4 T26S R32E NWNW 330FNL 560FWL

**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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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.)

drilling:

03/31/13 Spud well. TD 17-1/2 hole @ 1100'.  
04/01/13 RIH w/ 13-3/8", 48#, J55, TC csg & set @ 1100'. Mix & pump lead: 560 sx Extendacem, 13.5 ppg, 1.75 yld; tail w/ 265 sx HalCem C, 14.8 ppg, 1.35 yld. Circ 80 bbls to surface. WOC 12+ hrs.  
04/02/13 Test csg to 1000# for 30 mins. Ok.  
04/04/13 TD 12-1/4" hole @ 4535'. RIH w/ 9-5/8", 36#/40#, J55, LTC csg & set @ 4535'. Mix & pump lead: 1025 sx Econocem HLC, 12.9 ppg, 1.9 yld; tail w/ 320 HalCem C, 14.8 ppg, 1.33 yld. Circ 359 sx to surface. WOC 12+ hrs.  
04/06/13 Test csg to 1500# for 30 mins. OK.  
04/20/13 TD 8-3/4" hole @ 13518'. RIH w/ 5-1/2", 17#, P110, BTC/LTC csg & set @ 13518. OH packer system 8500-13518'. DV tool @ 8590'. Mix & pump lead: 590 sx light cmt, 10.8 ppg, 2.36 yld; tail w/ 250 sx Class C, 14.5 ppg, 1.25 yld. WOC 12+ hrs.

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14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #214346 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 07/22/2013 (13KMS2493SE)**

Name (Printed/Typed) TERRI STATHEM

Title COORDINATOR REGULATORY COMPLIA

Signature (Electronic Submission)

Date 07/20/2013

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

Approved By **ACCEPTED**

JAMES A AMOS  
Title SUPERVISORY EPS

Date 08/03/2013

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 \*\***

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**Additional data for EC transaction #214346 that would not fit on the form**

**32. Additional remarks, continued**

04/21/13 Test csg to 5000# for 30 mins. OK.  
04/22/13 Release rig.

completion:

04/28/13 TOC @ 6424'. PBTD @ 13469'. Fluid entering formation @ 5336'. Mix & pump remedial cement: 625 sx Class C, 11.9 ppgs, 2.47 yld. WOC 72+ hrs.

05/01/13 CBL - TOC @ 90'. Test csg to 8500# for 30 mins. OK.

05/02/13 to 05/03/13 DO DV tool @ 8590' & debris sub @ 9020'.

05/06/13 to 05/12/13 Frac Avalon w/ 2976457 gals total fluid; 2490525# sand. pkrs @ 9251, 9494, 9690, 9930, 10125, 10320, 10560, 10756, 10996, 11192, 11429, 11622, 11862, 12057, 12251, 12491, 12686, 12926, 13122, 13314'. ports @ 9395-13422'. Tag ball seats & drill thru. Circ @ 3600 psi.

Flowback well.

05/14/13 RIH w/ pkr & set @ 8560'.

05/15/13 RIH w/ 2-7/8" tbg & GLV set @ 8200'. GLV @ 1884, 3178, 4005, 4671, 5305, 5972, 6606, 7270, 7903, 8537'.

05/17/13 Turn well to production.