

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

HOBBS OCB

JUL 25 2013

RECEIVED

**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		5. Lease Serial No. NMNM0392082A
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: HOPE KNAULS E-Mail: hknauls2comarex.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: 432.571.7800	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T26S R32E NWNE 330FNL 1650FEL		8. Well Name and No. HALLERTAU 4 FEDERAL 7H
		9. API Well No. 30-025-40476-00-S1
		10. Field and Pool, or Exploratory WC-025 G06 S2632
		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 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

10-28-12 Spud Well @ 1400 hrs.

10-29-13 TD 17 1/2" surf hole @ 1207. RIH w/ 13 3/8, J55, 48# STC CSG & set @ 1207': DVTool @ 394'.

10-30-13 Mix & Pump Lead: 905 sx Extenda Cem, 13.5 ppg, 1.72 yld; Tail: w/ 215 sx HalCem, 14.8 ppg, 1.33 yld. Circ 100 bbls to surface. WOC 18+ hours.

11-1-12 Test csg to 1000# for 30 min, OK.

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

**Electronic Submission #213923 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 07/19/2013 (13KMS2466SE)**

Name (Printed/Typed) HOPE KNAULS

Title REGULATORY COMPLIANCE

Signature (Electronic Submission)

Date 07/17/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**

JAMES A AMOS  
Title SUPERVISORY EPS

Date 07/20/2013

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 \*\***

AUG 29 2013

## Additional data for EC transaction #213923 that would not fit on the form

### 32. Additional remarks, continued

11-4-12 TD 12 1/2" Intermediate hole @ 4520

11-5-12 RIH w/ 9 5/8", 40 #, J-55, LTC Csg & set @ 4520'. Mix & Pump Lead: 1520 sx Econocem HLC, 12.9 ppg, 1.88 yld; tail w/ 340 sx Halcem, 14.8ppg 1.33 yld, Circ 215 bbls to surf. WOC 12 + hours.

11-6-12 Test Cst to 2050# for 30 min OK.

11-23-12 Drill 8 3/4" hole to 11062: TD 8 1/2" hole @ 15169.

11-24-12 RIH w/ 5 1/2, 17#, P110, LTC/ BTC csg & set @ 15169: DV Tool @ 6221: Mix & Pump 1st stage Lead: 567 sx Class H, 14.0 ppg, tail w/ 1360 sx Class H, 14.5 ppg, 1.22 yld.

11-25-12 Mix & Pump 2nd Stage. Lead: 580 sx Econocem, 11.9 ppg, 2.44 yld; tail w/ 100 sx preplus, 14.8 ppg, 1.33 yld. No cement to surf. WOC.

11-26-12 Release Rig.

### Completion

12-29-12 Test Csg to 8500# for 30 min or Tag PBTD @ 15116.

1-21-13 to 1-29-13 Perf Bone Spring @ 11612-15058' 400 holes. Frac w/ 1930357 total fluid, 2742165 # sand.

1-30-13 Mill out plugs

1-31-13 Mill out plugs, Clean out to PBTD @ 15116'. Flowback well.

2-4-13 RIH w/ 2 7/8" tbg & GLV & set @ 10167: GLV @ 1826, 3231, 4082, 4870, 5592, 6283, 6974, 7648, 8387, 9079, 9738, 10134,

2-5-13 Turn well to prod.