

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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. IRWIN 13 FEDERAL 4
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: TERRI STATHEM C-Email: tstathem@cimarex.com		9. API Well No. 30-015-38101-00-X1
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	10. Field and Pool, or Exploratory HACKBERRY
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T19S R30E SESE 1300FSL 480FEL		11. County or Parish, and State EDDY 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Drilling Operations

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

11/12/11 Spud well.

11/13/11 TD 17-1/2" hole @ 540'.

11/14/11 RIH w/ 13-3/8", J55, 48# STC csg &amp; set @ 519'. Mix &amp; pump lead: 300 sx Econocem; mix &amp; pump tail: 200 sx Halcem C. WOC.

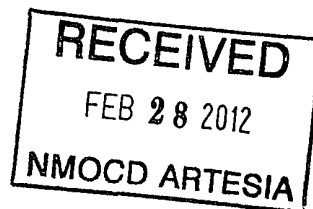
11/16/11 RU &amp; run temp survey. TOC @ 300'. PU 1", tag cmt @ 295'. Mix &amp; pump 400 sx Prem +.

Circ 5 bbls. WOC 24+ hrs.

11/17/11 Tested csg to 1250 psi for 30 mins - ok.

11/19/11 to 11/23/11 Drilling 12-1/4" hole @ 555' - encountered air pocket, drilling to 560'. Mix &amp; pump 500 sx Thixotropic - bradenhead squeeze. 101 sx to surf. WOC, tag &amp; drill out. Continue drilling 12-1/4" hole.

12/10/11 TD 12-1/4" hole @ 4000'.

Accepted for record  
NMOCD

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

Electronic Submission #131575 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 02/24/2012 (12KMS0468SE)

Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/24/2012

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 02/25/2012
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		Office Carlsbad

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 \*\*

**Additional data for EC transaction #131575 that would not fit on the form**

**32. Additional remarks, continued**

12/11/11 RIH w/ 9-5/8", 48#, J55 LTC csg.  
12/12/11 Set 9-5/8" csg @ 4000'. Cmt w/ lead: 710 sx Econocem; tail: 200 sx Halcem C. DV tool @ 2017'. WOC. Run temp survey - TOC @ 1090.  
12/13/11 RIH w/ 1", tag cmt @ 1156'. Mix & pump 275 Econocem, WOC. Tag cmt @ 877'. Mix & pump 100 sx Econocem. WOC. Tag cmt @ 721'. Mix & pump 100 sx Econocem. WOC.  
12/14/11 Tag cmt @ 534'. Mix & pump 50 sx Econocem. WOC, tag cmt @ 508'. Mix & pump 130 sx Econocem. Circ 10 bbls to surf. WOC 12 + hrs.  
01/07/12 TD 8-3/4" hole @ 13048'.  
01/09/12 RIH w/ 5-1/2", 17#, P110 LTC csg.  
01/10/12 Set 5-1/2" csg @ 13048'. Cmt w/ lead: 950 sx Econocem. Tail: 1200 sx Hal C. Circ 23 sx to surf.  
01/11/12 Tested to 5000# - ok. Release rig.  
01/16/12 Press up to 2480#. Good.  
01/20/12 Run logs. CBL TOC @ 930'.

**Completion**

1/23/12 to 1/25/12 Perf Bone Spring @ 9784-13010', 280 holes. Frac w/ 1,550,925 gals total fluid; 2,472,467# sand.  
2/2/12 to 2/2/12 Mill out plugs. CO to PBTD @ 13010'. Circ clean.  
2/4/12 RIH w/ production equipment. 2-7/8", 6.5, L80 EUE tbg set @ 8312'. Turn well to production.