

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.

5. Lease Serial No.
NMNM01085

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
IRWIN 23-14 FEDERAL 4

9. API Well No.
30-015-39894-00-X1

10. Field and Pool, or Exploratory
HACKBERRY

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

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator Contact: TERRI STATHEM
CIMAREX ENERGY COMPANY OF CO-Mail: tstathem@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 23 T19S R30E NENE Lot A 1300FNL 785FEL

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 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.)

Drilling:

2/16/13 Spud well. TD 20" hole @ 327'. RIH w/ 16", 84#, K55, BTC csg & set @ 327'. Mix & pump 495 sx, 14.8 ppg, 1.35 yld Class C cmt. Circ 36 bbls to surf. WOC 24+ hrs.

2/18/13 Test csg to 1000# for 30 mins. Ok.

2/19/13 TD 14-3/4" hole @ 1772'. RIH w/ 11-3/4", 42#, H-40 STC csg & set @ 1772'. RIH w/ 11-3/4", 42#, H-40, STC csg & set @ 1772'. Mix & pump lead: 790 sx, 13.5 ppg, 1.75 yld; tail w/ 190 sx Class C, 14.8 ppg, 1.35 yld. Circ 95 bbls cmt to surface. WOC 20+ hrs.

2/21/13 Test csg to 1386# for 30 mins. Ok.

2/22/13 TD 11" hole @ 3615'.

2/23/13 RIH w/ 8-5/8", 32#, J55, LTC csg & set @ 3615'. DV Tool & pkr set @ 1908'. Mix & pump 1st stage: lead: 385 sx Econocem HLC, 12.9 ppg, 1.77 yld; tail w/ 200 sx Halcem C, 1.8 ppg 1.34 yld. Circ bottoms up from DV tool and had 40 bbls good cmt to surface. Mix & pump 2nd stage:

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JUL 31 2013
NMOC D ARTESIA

Accepted for record 8/1/2013

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

**Electronic Submission #214351 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 07/24/2013 (13KMS6830SE)**

Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/20/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED** JAMES A AMOS
Title SUPERVISOR EPS Date 07/27/2013

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 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.

file

Additional data for EC transaction #214351 that would not fit on the form

32. Additional remarks, continued

lead: 285 sx Econocem HLC, 12.9 ppg, 1.88 yld; tail w/ 50 sx Halcem C, 14.8 ppg, 1.34 yld. Circ 16
bbbs to surf. WOC 24+ hrs.

2/24/13 Test csg to 1500# for 30 mins. Ok.

3/10/13 TD 7-7/8" hole @ 13065'.

3/12/13 RIH w/ 5-1/2", 17#, P110, LTC/BTC csg & set @ 13065'. Mix & pump lead: 800 sx Econocem,
11.9 ppg, 2.47 yld; tail w/ 940 sx Versacem, 14.5 ppg, 1.22 yld.

3/13/03 Rig release.

Completion:

3/20/13 TOC @ 270'. PBD @ 13046'.

3/21/13 Test csg to 8500# for 30 mins. OK.

4/24/13 to 4/26/13 Perf Bone Spring @ 9485-13038', 270 holes, .54. Frac w/ 1434898 gals total
fluid; 2102694# sand. flowback.

5/09/13 TIH w/ 2-7/8" tbg & pump & set @ 7895'. turn well to production.