

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.**

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No.

IRWIN 23-14 FEDERAL 2

2 Name of Operator

Contact: TERRI STATHEM

CIMAREX ENERGY COMPANY OF CO E-Mail: tstathem@cimarex.com

9. API Well No.

30-015-39892-00-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 23 T19S R30E NENE Lot A 1300FNL 725FEL

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

06/29/12 Spud well @ 4:30 am. TD 20" hole @ 330'. RIH w/ 16, 84#, k55, BTC csg & set @ 330'. Mix & pump: 495 sx HalCem C, 14.8 ppg, 1.35 yld. Circ 145 sx cmt to surface. WOC 8+ hrs.

06/30/12 Test csg to 1500# for 30 mins. Ok.

07/02/12 TD 14 3/4" hole @ 1754'.

07/03/12 RIH w/ 11 3/4", 42#, H40, STC csg & set @ 1754'. Mix & pump lead: 635 sx Extendacem CZ, 13.5 ppg, 1.73 yld; tail w/ 190 sx HalCem C, 14.8 ppg, 1.35 yld. Circ 178 sx cmt to surf. WOC 8+ hrs.

07/04/12 Test csg to 1380# for 30 mins. Ok.

07/08/12 TD 11" hole @ 3593'. RIH w/ 8 5/8", 32#, J55, LTC csg & set @ 3593. DV tool @ 1894'.

07/09/12 Mix & pump lead: 380 sx EconoChem, 12.9 ppg, 1.88 yld; tail w/ 200 sx HalCem C, 14.8 ppg, 1.34 yld. Open DV tool @ 500 psi. Circ 193 sx cmt. Mix & pump lead: 285 sx EconoChem, 12.9

**RECEIVED**

OCT 10 2012

**NMOCD ARTESIA***Accepted for record*  
10/11/12  
NMOCD

14 I hereby certify that the foregoing is true and correct

Electronic Submission #150201 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 09/20/2012 (12KMS3157SE)

Name (Printed/Typed) TERRI STATHEM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/14/2012

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

Approved By

**ACCEPTED**JAMES A AMOS  
Title SUPERVISOR EPS

Date 10/06/2012

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 #150201 that would not fit on the form

### 32. Additional remarks, continued

ppg, 1.88 yld; tail w/ 50 sx HalCem C, 14.8 ppg, 1.34 yld. Circ 60 sx to surf. WOC 8+ hrs.  
07/10/12 Test csg to 2760# for 30 mins. Ok.  
07/29/12 TD 7 7/8" hole @ 14829'.  
08/01/12 RIH w/ 4 1/2", 11.6#, P110, BTC csg & 5-1/2", 17#, P110, LTC csg & set @ 14827. (5-1/2" csg 0-7960', Xover @ 7960-8006'; 4-1/2" csg @ 8006-14827'). Mix & pump 730 sx EconoCem D, 11.9 ppg, 2.45 yld; tail w/ 1650 VersaCem D, 14.5 ppg, 1.22 yld. Did not circ. Est TOC @ 1835.  
08/02/12 Release rig @ 6:00 am.

#### Completion

08/07/12 Run CBL to 8010'. TOC @ 2450'.  
08/08/12 Test csg to 8000# for 30 mins. Ok. WO frac.  
08/13/12 RIH w/ plug & set @ 8060'. Press test plug to 3500# for 30 mins. Good. Dump 30? cmt on top of CBP.  
08/14/12 DO cmt & DO plug. CO to PBTD @ 14815'.  
08/17/12 to  
08/18/12 Perf Bone Spring @ 8790-14796', 440 holes. Frac w/ 2,284,386 gals total fluid; 3,332,796# sd.  
08/19/12 Mill out CBPs. CO to PBTD.  
08/29/12 RIH w/ production equip. Turn well to production.