

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 1

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: ZENO FARRIS

9. API Well No.

30-015-39891-00-X1

3a. Address

600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432.620.1938

10. Field and Pool, or Exploratory

HACKBERRY

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 23 T19S R30E NENE 1300FNL 695FEL

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 checked="" 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 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 recompleate 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.)

Due to loses at 2245' propose to change permitted one stage cement job on the 8 5/8" intermediate casing to a two stage job as described below.

16" surface casing set at 332' and cemented to surface.
11 3/4" surface 2 set at 1735' and cemented to surface.

After drilling 11" hole to 3600' set 8 5/8" casing with DV-Tool and ECP at +/- 1850' and cement as follows.

Stage 1 CIs C 120% Excess
Lead 325sx 12.8 ppg Wt 1.97 cf Yld

RECEIVED

MAR 28 2012

NMOCD ARTESIA

Accepted for record
NMOCD
10/3/2012
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #133611 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 03/22/2012 (12KMS1309SE)

Name (Printed/Typed) ZENO FARRIS

Title MANAGER OPERATIONS ADMIN

Signature (Electronic Submission)

Date 03/21/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TED MORGAN

Title PETROLEUM ENGINEER

Date 03/23/2012

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 #133611 that would not fit on the form

32. Additional remarks, continued

Tail 250sx 14.8 ppg Wt 1.33 cf Yld

Stage 2 Cls C 60% Excess

Lead 300sx 12.8 ppg Wt 1.96 cf Yld

Tail 100 sx 14.8 ppg Wt 1.33 cf Yld

See attached cementing procedure. Any change to DV/ECP setting depth and cement volumes will be changed accordingly.

Irwin 23-14 01
Cimarex Energy Co of Colorado
30-015-39891
Mar 23, 2012
Conditions of Approval

REQUEST:

3/21/2012 Cimarex requests to revise the cement program on the 8-5/8" second intermediate casing from single stage cementing to two stage cementing. ECP DV tool to be placed at approximately 1850'.

Well is R-111-P location. Surface and Intermediate casings are run and cemented to surface per original APD design. Top Yates is estimated at 1715'. Top Seven Rivers estimated at 1945'.

CONDITIONS OF APPROVAL:

Original COA is still applicable. The Cement Design revision for the 8-5/8" Intermediate Casing is approved with the following Conditions:

Operator has proposed a DV tool depth of +/-1850 feet. If the DV tool cannot be set within +/-50' of that depth. Operator shall submit a sundry requesting a depth change.

1. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:

a. First stage:

☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

☒ Cement to circulate. Operator to contact BLM if circulation not achieved.

TMM 3/23/2012