

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		5. Lease Serial No NMNM01085
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. IRWIN 23-14 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T19S R30E NENE 1300FNL 695FEL		9. API Well No. 30-015-39891-00-X1
		10. Field and Pool, or Exploratory HACKBERRY
		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"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<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 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:

03/14/12 Spud well. TD 20" hole @ 332'. RIH w/ 16", 84#, K55 csg & set @ 332'. Mix & pump lead: 250 sx Class C, tail w/ 250 sx Class C. Cmt did not circ. BLM on location. WOC.

03/15/12 WOC. Temp survey TOC @ 85'. RIH w/ 1" circ cmt to surf, mix & pump 135 sx Class C. Circ 125 sx. WOC.

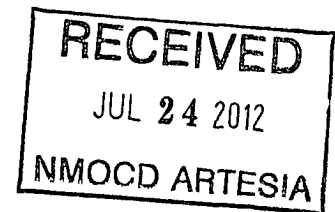
03/16/12 Test csg to 500 psi for 30 mins. ok.

03/18/12 TD 14-3/4" hole @ 1735'. RIH w/ 11-3/4", H40, 42#, STC csg & set @ 1735'. Mix & pump lead: 680 sx 65/35 C; tail w/ 200 sx Class C. Circ 292 sx. WOC. 12+ hrs.

03/20/12 Test csg to 1000# for 30 mins. ok.

03/23/12 TD 11" hole @ 3625'. RIH w/ 8-5/8", 32#, J55, LTC csg & set @ 3625'. DVT tool @ 1893'.

03/24/12 Mix & pump lead: 325 35/65 POZ C; tail w/ 250 sx Class C. Mix & pump 2nd stage lead:



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

Electronic Submission #142936 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by BEVERLY WEATHERFORD on 07/18/2012 (12KMS1309SE)

NMOCD

Name (Printed/Typed) TERRI STATHEM

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/14/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	ACCEPTED	JAMES A AMOS Title SUPERVISOR EPS	Date 07/22/2012
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 #142936 that would not fit on the form

32. Additional remarks, continued

300 sx 35/65 POZ C; tail w/ 100 sx Class C. Circ 99 sx to surf. WOC. 9+ hrs.
03/25/12 DO DV Tool @ 1893'. Test csg to 1500 psi for 30 mins. ok.
03/29/12 TD 7-7/8" pilot hole @ 9150'.
03/30/12 Run logs.
03/31/12 Plugback - mix & pump KO plug @ 9150' - 575 Sx Class C. WOC 8 hrs.
04/01/12 Tag TOC @ 7841'.
04/02/12 TIH to 7841'. Drill cmt to KOP @ 8111'.
04/14/12 TD 7-7/8" lateral hole @ 14548'.
04/17/12 RIH w/ 4-1/2", P110, 11.6#, BTC csg & set @ 14539'.
04/18/12 Mix & pump 790 sx 50/50 H; tail w/ 1790 50/50 H.
04/19/12 Circ 304 sx. WOC.
04/20/12 Test to 3760 psi for 30 mins. OK. Release rig @ 6:00 am.
Completion:
04/26/12 CBL TOC @ 150'. Pressure tested csg to 1000 psi for 20 mins. Ok. PBTD @ 14526'.
04/27/12 RIH & perf Bone Spring @ 14073-14525'. WO frac.
05/01/12 Frac w/ 258283 bbls total fluid; 340175# sd. Perf @ 12564-13925'. Frac w/ 244810 gals total fluid; 339020# sd.
05/02/12 Perf Bone Spring @ 8630-13321'. Frac w/ 1864295 bbls total fluid; 2810361# sd.
05/10/12 Mill out CBPs.
05/13/12 CO to PBTD.
05/16/12 RIH w/ REDA pump & 2-7/8" tbg & set @ 7815'.
05/30/12 Turn well to prod.