

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.*

OCD Artesia

**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 CO. OF COLORADO		6. If Indian, Allottee or Tribe Name
3a. Address 600 N MARIENFELD ST STE 600 MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No NA
3b. Phone No. (include area code) Ph: 432-620-1938 Fx: 432-620-1940		8. Well Name and No IRWIN 23-14 02
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T19S R30E Mer NMP NENE 1300FNL 725FEL		9. API Well No. 30-015-39892
		10. Field and Pool, or Exploratory HACKBERRY;BS NW
		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 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.)

Change 11.75 casing grade and weight from 54# J-55 STC to 42# H-40 STC and cement as permitted.

Due to potential losses in Capitan Reef propose to change permitted one stage cement job on the 8 5/8" intermediate casing to a two stage job as described below:

After drilling 11" hole to 3600' set 8.625" casing with DV-Tool and ECP at +/- 1800' or depending on depth of losses between 50' of the current shoe(3600') and 50' of the previous shoe (1750') and cement as follows:

Stage 1 CIs C 120% Excess  
Lead 385sx EconoCem HLC + 5% Salt + 5pps Kol-Seal 12.9 ppg Wt 1.88 cf Yld  
Tail 250sx HalCem C + 1% CaCl 14.8 ppg Wt 1.34 cf Yld

**RECEIVED**

JUN 22 2012

**NMOCD ARTESIA****SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. Thereby certify that the foregoing is true and correct		Accepted for record	
Electronic Submission #140754 verified by the BLM Well Information System For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 06/20/2012 ()		NMOCD	
Name (Printed/Typed) ZENO FARRIS	Title	10/6/2012	
Signature (Electronic Submission)	Date 06/15/2012		

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

Approved By	Title	APPROVED	
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	JUN 20 2012	
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.		WESLEY W. INGRAM PETROLEUM ENGINEER	

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #140754 that would not fit on the form**

**32. Additional remarks, continued**

Stage 2 Cls C 60% Excess  
Lead 285sx EconoCem HLC + 5% Salt + 5pps Kol-Seal 12.9 ppg Wt 1.88 cf Yld  
Tail 50 sx HalCem C + 1% CaCl 14.8 ppg Wt 1.34 cf Yld

Any change to DV/ECP setting depth and cement volumes will be adjusted accordingly.

Change All other aspects of the permit remain the same.

**Irwin 23-14 2**  
**30-015-39892**  
**Cimarex Energy Co. of Colorado**  
**June 20, 2012**  
**Conditions of Approval**

**Operator has proposed DV tool at depth of 1800', but will adjust cement proportionately if moved. DV tool/ECP shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range.**

a. First stage to DV tool:

- ☒ 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. If cement does not circulate, contact the appropriate BLM office.

**WWI 062012**