

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOC
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.
NMNM025559

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 13 FEDERAL 1

9. API Well No.
30-015-37715-00-S1

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: RHONDA SHELTON
CIMAREX ENERGY COMPANY OF CO-Mail: rsheldon@cimarex.com

3a. Address 202 S CHEYENNE AVE SUITE 1000
TULSA, OK 74103.4346

3b. Phone No. (include area code)
Ph: 918-295-1709

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T19S R30E SESE Lot P 1300FSL 330FEL

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	
	<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 recomplete 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.)

Please see the attached analysis. Please note: No H2S.

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 26 2016

Accepted for record
NMOC

RECEIVED

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

Electronic Submission #332009 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/18/2016 (16JAS145559)

Name (Printed/Typed) RHONDA SHELTON Title REGULATORY TECHNICIAN

Signature (Electronic Submission) Date 02/23/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE APR 18 2016

Approved By _____ Title _____

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 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

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 ****

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Irwin 13 Fed 1H(726147-00)
Injection Date	2015-12-16 00:53:54

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	6.7659	0.000
Methane	72.6003	0.000
CO2	0.1454	0.000
Ethane	12.3254	3.307
H2S	0.0000	0.000
Propane	4.5984	1.271
iso-Butane	0.7006	0.230
n-Butane	1.6576	0.524
iso-Pentane	0.3594	0.132
n-Pentane	0.3513	0.128
Hexanes Plus	0.4957	0.216
Water	0.0000	0.000
Total:	100.0000	5.807

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	61.0	
Flowing Pressure (psia)	67.0	
Gross Heating Value (BTU / Real cu.ft.)	1204.7	1184.2
Relative Density (G), Real	0.7510	0.7491
Total GPM	5.807	5.808
Total Molecular Weight	21.685	21.622