

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

GCD 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.  
NMNM7752

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.  
MERAK 7 FEDERAL 5

9. API Well No.  
30-015-40611-00-S1

10. Field and Pool, or Exploratory  
LOCO HILLS

11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY COMPANY OF CO  
Contact: RHONDA SHELDON  
E-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 7 T17S R30E SESW 990FSL 1650FWL

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	
	<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.)

AS REQUESTED, SEE THE H2S ROE FOR THE ATTACHED ANALYSIS

100=15'  
500=6.8'

*SC 12-20-17*  
Accepted for record - NMOCD

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
DEC 19 2017

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
DEC 19 2017

RECEIVED

RECEIVED

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

**Electronic Submission #337177 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 04/25/2016 (16JAS1492SE)**

Name (Printed/Typed) RHONDA SHELDON Title REGULATORY TECHNICIAN

Signature (Electronic Submission) Date 04/22/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

*Accepted for Record*

Approved By *James R. [Signature]* Title *Sup. PET* Date *12-11-17*

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 *1FD*

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.



# PERMIAN SERVICES

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy  
Attention: Mark Cummings  
600 N. Marienfeld, Suite 600  
Midland, Texas 79701

Sample: Sta. # T9624230  
Identification: Merak 7-5 *Merak 7-5*  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 7/10/2013 10:30 AM  
Analysis Date 7/12/2013  
Pressure-PSIA 42  
Sample Temp F 96  
Atmos Temp F 90  
Sampled by: J. Stevens/Gas Meas  
Analysis by: Vicki McDaniel

H2S = 1,000 PPM

### Component Analysis

		Mol. Percent	GPM
Hydrogen Sulfide	H2S	0.100	
Nitrogen	N2	2.029	
Carbon Dioxide	CO2	0.457	
Methane	C1	69.065	
Ethane	C2	14.924	3.981
Propane	C3	8.340	2.292
I-Butane	IC4	0.960	0.313
N-Butane	NC4	2.387	0.750
I-Pentane	IC5	0.512	0.187
N-Pentane	NC5	0.556	0.201
Hexanes Plus	C6+	0.670	0.290
		100.000	8.015

*1000 PPM*

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1360.3	Calculated	0.8076
At 14.65 WET	1336.5		
At 14.696 DRY	1364.5		
At 14.696 WET	1341.3	Molecular Weight	23.3891
At 14.73 DRY	1367.6		
At 14.73 Wet	1344.0		