

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

BCC Artesia
ARTESIA DISTRICT

MAR 09 2015

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		8. Well Name and No. MERAK 7 FEDERAL 3
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: CRISTEN BURDELL E-Mail: cburdell@cimarex.com		9. API Well No. 30-015-40609-00-S1
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 918-560-7038	10. Field and Pool, or Exploratory LOCO HILLS
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R30E NESW 1650FSL 2310FWL		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 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 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.)

H2S gas analysis for facility as requested

Accepted for record
APD RECORDED 3/10/15

H2S Exceeds 100 PPM. Submit RDE for 100 PPM & 500 PPM
violation of Onshore Order 6

14. I hereby certify that the foregoing is true and correct. Electronic Submission #273976 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by LINDA DENNISTON on 01/13/2015 (15LD0341SE)	
Name (Printed/Typed) CRISTEN BURDELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/27/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JAMES A AMOS Title SUPERVISORY PET	Date 02/27/201
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 ****



PERMIAN ENERGY 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: Casing
Identification: Merak 7 Fed. 3
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 6/10/2014 12:25 PM
Analysis Date 6/11/2014
Pressure-PSIA
Sample Temp F
Atmos Temp F

Sampled by: T. Ridings
Analysis by: Vicki McDaniel

H₂S = 700 PPM

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H ₂ S	0.070	
Nitrogen	N ₂	2.618	
Carbon Dioxide	CO ₂	0.556	
Methane	C ₁	71.161	
Ethane	C ₂	12.907	3.443
Propane	C ₃	7.187	1.975
I-Butane	IC ₄	0.935	0.305
N-Butane	NC ₄	2.412	0.759
I-Pentane	IC ₅	0.622	0.227
N-Pentane	NC ₅	0.631	0.228
Hexanes Plus	C ₆₊	0.901	0.390
		100.000	7.327

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1335.5	Calculated	0.7995
At 14.65 WET	1312.2		
At 14.696 DRY	1339.7		
At 14.696 WET	1316.9	Molecular Weight	23.1571
At 14.73 DRY	1342.8		
At 14.73 Wet	1319.6		