

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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 type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0141013
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No. NMNM116752
3b. Phone No. (include area code) Ph: 918-660-7038		8. Well Name and No. MESCALERO 19 FEDERAL 02 <input checked="" type="checkbox"/>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T19S R34E NWSW Lot 3 1650FSL 0990FWL / 32.642946 N Lat, 103.604970 W Lon		9. API Well No. 30-025-37999-00-S1 <input checked="" type="checkbox"/>
		10. Field and Pool, or Exploratory QUAIL RIDGE
		11. County or Parish, and State LEA 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 recomple 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

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

Electronic Submission #273880 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 05/04/2015 (15LJ1022SE)

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

Title

SPET

Date

9-10-16

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

CFD

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 ****

MAY 06 2016



LABORATORY 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. # 309617096
Identification: Mescalero PC 19 FC 2
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 5/31/2013 10:00 AM
Analysis Date 6/4/2013
Pressure-PSIA 525
Sample Temp F 100
Atmos Temp F 90

Sampled by: J. Stevens/Gas Meas.
Analysis by: Vicki McDaniel

H2S = 0.7 PPM

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S		
Nitrogen	N2	0.662	
Carbon Dioxide	CO2	0.644	
Methane	C1	81.782	
Ethane	C2	8.274	2.207
Propane	C3	4.706	1.293
I-Butane	IC4	0.713	0.233
N-Butane	NC4	1.683	0.529
I-Pentane	IC5	0.487	0.178
N-Pentane	NC5	0.481	0.174
Hexanes Plus	C6+	0.568	0.246
		100.000	4.860

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1237.3	Calculated	0.7172
At 14.65 WET	1215.7		
At 14.696 DRY	1241.2		
At 14.696 WET	1220.0	Molecular Weight	20.7721
At 14.73 DRY	1244.0		
At 14.73 Wet	1222.5		