

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 checked="" 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 Contact: CRISTEN BURDELL E-Mail: cburdell@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 918-560-7038	7. If Unit or CA/Agreement, Name and/or No. NMNM116752
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T19S R34E NWSE 1980FSL 1650FEL 32.643878 N Lat, 103.596445 W Lon		8. Well Name and No. MESCALERO 19 FEDERAL 01
10. Field and Pool, or Exploratory QUAIL RIDGE		9. API Well No. 30-025-35982-00-S1
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 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.)

H2S gas analysis for facility as requested

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #273881 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 (15LJ1023SE)</b>	
Name (Printed/Typed) CRISTEN BURDELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/27/2014
<b>Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	
Approved By <i>James R. Amos</i>	Title <i>SPECT</i> Date <i>4-10-16</i>
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 <i>CFO</i>
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, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Cimarex Energy  
Attention: David Hayes  
P. O. Box 1237  
Eunice, New Mexico 88231

SAMPLE: Mtr #718419  
IDENTIFICATION Mescalero 19 Fed. #1  
COMPANY: Cimarex Energy  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED 2/9/08 11:30 am  
ANALYSIS DATE: 2/11/08  
PRESSURE - PSIA 42  
SAMPLE TEMP. °F  
ATMOS. TEMP. °F 61

GAS (XX) LIQUID ( )  
SAMPLED BY: Will McDaniel  
ANALYSIS BY: Vicki McDaniel

REMARKS: H2S = 0.5 PPM

## COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	<i>0</i>	
Nitrogen (N2)	0.596	
Carbon Dioxide (CO2)	0.568	
Methane (C1)	81.407	
Ethane (C2)	8.993	2.399
Propane (C3)	4.874	1.340
I-Butane (IC4)	0.731	0.239
N-Butane (NC4)	1.446	0.455
I-Pentane (IC5)	0.397	0.145
N-Pentane (NC5)	0.386	0.139
Hexane Plus (C6+)	0.602	0.261
	100.000	4.978

BTU/CU.FT. - DRY 1235  
AT 14.650 DRY 1231  
AT 14.650 WET 1210  
AT 14.73 DRY 1238  
AT 14.73 WET 1216

MOLECULAR WT. 20.7152

SPECIFIC GRAVITY -  
CALCULATED 0.714  
MEASURED