

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		8. Well Name and No. MESCALERO 20 FED 1 <input checked="" type="checkbox"/>
2. Name of Operator CIMAREX ENERGY COMPANY <input checked="" type="checkbox"/> Contact: CRISTEN BURDELL E-Mail: cburdell@cimarex.com		9. API Well No. 30-025-36099 <input checked="" type="checkbox"/>
3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7038	10. Field and Pool, or Exploratory QUAIL RIDGE; MORROW
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T19S R34E 1980FSL 1200FWL <input checked="" type="checkbox"/>		11. County or Parish, and State LEA COUNTY 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.	
Electronic Submission #273901 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 05/04/2015 ()	
Name (Printed/Typed) CRISTEN BURDELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/27/2014
Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By James A. Puro	Title SAGET
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 CFO
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.	

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

MAY 06 2016



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

Scanned

FOR: Cimarex Energy
Attn: Clifford Johnson
P. O. Box 1237
Eunice, New Mexico 88231

SAMPLE: Sta. #13135229
IDENTIFICATION Mescaalero 20 Fed. #1
COMPANY: Cimarex Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED 10/25/07 12:06 pm
ANALYSIS DATE: 10/26/07
PRESSURE - PSIA 598
SAMPLE TEMP. °F
ATMOS. TEMP. °F 71
REMARKS: H2S = 0.5 PPM

GAS (XX) LIQUID ()
SAMPLED BY: Will McDaniel
ANALYSIS BY: Vickie Sullivan

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	0.577	
Nitrogen	(N2)	0.624	
Carbon Dioxide	(CO2)	86.447	
Methane	(C1)	6.731	1.796
Ethane	(C2)	2.889	0.794
Propane	(C3)	0.368	0.120
I-Butane	(IC4)	0.978	0.308
N-Butane	(NC4)	0.342	0.125
I-Pentane	(IC5)	0.370	0.134
N-Pentane	(NC5)	0.674	0.293
Hexane Plus	(C6+)		
		100.000	3.570

BTU/CU.FT. - DRY 1169
AT 14.650 DRY 1166
AT 14.650 WET 1145
AT 14.73 DRY 1172
AT 14.73 WET 1152

MOLECULAR WT. 19.5198

SPECIFIC GRAVITY -
CALCULATED 0.673
MEASURED