

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
NMNM100861

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.
ESMARELDA FED 24 1

9. API Well No.
30-025-34484

10. Field and Pool, or Exploratory
GEM; STRAWN, EAST

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

1. Type of Well Oil Well Gas Well Other

2. Name of Operator
CIMAREX ENERGY COMPANY
Contact: CRISTEN BURDELL
E-Mail: cburdell@cimarex.com

3a. Address
202 S. CHEYENNE AVE STE 1000
TULSA, OK 74103

3b. Phone No. (include area code)
Ph: 918-560-7038

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 24 T19S R33E 1650FSL 1980FWL

APR 18 2016
RECEIVED

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recalculate
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other

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 recomple 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 #273884 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: *[Signature]* Title SPET Date 4-10-16

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 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 Company
P.O. Box 1237
Eunice, New Mexico 88231

SAMPLE: Separator Gas
IDENTIFICATION Ismarelda Fed. 24 #1
COMPANY: Cimarex Energy Company
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED 4/17/08 11:50am
ANALYSIS DATE: 4/18/08
PRESSURE - PSIG 50
SAMPLE TEMP. °F
ATMOS. TEMP. °F 66

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)		0	
Nitrogen (N2)		2.977	
Carbon Dioxide (CO2)		0.384	
Methane (C1)		58.557	
Ethane (C2)		17.216	4.593
Propane (C3)		11.595	3.187
I-Butane (IC4)		1.250	0.408
N-Butane (NC4)		4.199	1.321
I-Pentane (IC5)		0.956	0.349
N-Pentane (NC5)		1.319	0.477
Hexane Plus (C6+)		1.547	0.671
		100.000	11.006

BTU/CU.FT. - DRY 1530
AT 14.650 DRY 1525
AT 14.650 WET 1499
AT 14.73 DRY 1534
AT 14.73 WET 1507

MOLECULAR WT. 26.9248

SPECIFIC GRAVITY -
CALCULATED 0.926
MEASURED