

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
ArtesiaFORM 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.
NMNM04082

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.
BIG EDDY 129. API Well No.
30-015-20225-00-S110. Field and Pool, or Exploratory
BIG EDDY11. County or Parish, and State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
CIMAREX ENERGY COMPANY OF CO
Contact: RHONDA SHELDON
E-Mail: rsheldon@cimarex.com3a. Address
202 S CHEYENNE AVE SUITE 1000
TULSA, OK 74103.43463b. Phone No. (include area code)
Ph: 918-295-17094. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 21 T20S R31E NWNW 660FSL 660FWL**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.)

PLEASE SEE THE ATTACHED GAS ANALYSIS. NOTE: NO H2S.

NM OIL CONSERVATION
ARTESIA-DISTRICT

APR 26 2016

RECEIVED

Accepted for record
NMOCD

14. I hereby certify that the foregoing is true and correct. Electronic Submission #335144 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/18/2016 (16JAS1446SE)	
Name (Printed/Typed) RHONDA SHELDON	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 03/31/2016
THIS SPACE FOR FEDERAL OR STATE OFFICE USER 18 2016	
Approved By _____	Title _____
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 _____
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 ****



LABORATORY SERVICES

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy
Attention: Gary Greenwood
600 N. Marienfeld, Suite 600
Midland, Texas 79701

Sample: Well Head Casing
Identification: Big Eddy #12
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 3/29/2016 12:10 PM
Analysis Date 3/30/2016
Pressure-PSI 400
Sample Temp F
Atmos Temp F 73

Sampled by: Rolando Hernandez
Analysis by: Vicki McDaniel

H2S = 0.4 PPM

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S		
Nitrogen	N2	2.284	
Carbon Dioxide	CO2	0.811	
Methane	C1	77.362	
Ethane	C2	11.633	3.103
Propane	C3	5.076	1.395
i-Butane	IC4	0.573	0.187
n-Butane	NC4	1.363	0.429
i-Pentane	IC5	0.294	0.107
n-Pentane	NC5	0.328	0.119
Hexanes Plus	C6+	0.276	0.119
		100.000	5.459

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1217.5	Calculated	0.7242
At 14.65 WET	1196.3		
At 14.696 DRY	1221.3		
At 14.696 WET	1200.5	Molecular Weight	20.9750
At 14.73 DRY	1224.1		
At 14.73 Wet	1203.0		

Test Method GPA 2261-95

Calculations based on GPA 2145-09