

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.

5. Lease Serial No. NMNM14124
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. MARQUARDT 1 PENN FED 3
9. API Well No. 30-015-34788
10. Field and Pool, or Exploratory WHITE CITY; PENN (GAS)
11. County or Parish, and State EDDY COUNTY COUNTY, NM

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> 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 1 T25S R26E 1780FSL 735FWL	

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.)

H2S gas analysis for facility as requested

NM OIL CONSERVATION
ARTESIA DISTRICT
APR 18 2016
RECEIVED

Accepted for record
NMOCDA 11/16
AB

14. I hereby certify that the foregoing is true and correct. Electronic Submission #273874 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad Committed to AFSS for processing by LINDA DENNISTON on 01/13/2015 ()	
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 <i>James G. Jones</i>	Title <i>CAET</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>CPD</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.

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



LABORATORY SERVICES

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

Marquardt 1 Penn Feed 3

For: Cimarex Energy
Attention: Mark Cummings
600 N. Marienfeld, Suite 600
Midland, Texas 79701

Sample: Sta. # Marq1-3
Identification: Marquardt 1 # 3
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 7/25/2013 12:03 PM
Analysis Date 7/26/2013
Pressure-PSIA 76
Sample Temp F 91
Atmos Temp F
Sampled by: Taylor Ridings
Analysis by: Vicki McDaniel

H2S = 1.2 PPM

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0	
Nitrogen	N2	0.663	
Carbon Dioxide	CO2	0.481	
Methane	C1	93.227	
Ethane	C2	4.133	1.102
Propane	C3	0.845	0.232
I-Butane	IC4	0.160	0.052
N-Butane	NC4	0.163	0.051
I-Pentane	IC5	0.064	0.023
N-Pentane	NC5	0.049	0.018
Hexanes Plus	C6+	0.215	0.093
		100.000	1.572

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1061.3	Calculated	0.6021
At 14.65 WET	1042.7		
At 14.696 DRY	1064.6		
At 14.696 WET	1046.4	Molecular Weight	17.4383
At 14.73 DRY	1067.0		
At 14.73 Wet	1048.6		