

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.*5. Lease Serial No.  
NMNM0559539

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.**1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
JAMES FED 20H ☒2. Name of Operator  
CIMAREX ENERGY COMPANY ☒Contact: CRISTEN BURDELL  
E-Mail: cburdell@cimarex.com9. API Well No.  
30-025-41251 ☒3a. Address  
202 S. CHEYENNE AVE STE 1000  
TULSA, OK 741033b. Phone No. (include area code)  
Ph: 918-560-703810. Field and Pool, or Exploratory  
SAND DUNES, BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T23S R32E NENW 185FNL 1880FWL ☒

APR 18 2016

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 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 #273989 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

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

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 LFO

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**  
Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

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

Sample: Sta. # 728904-00  
Identification: James Fed. 20H  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 5/7/2014 12:00 PM  
Analysis Date 5/8/2014  
Pressure-PSIA 526.9  
Sample Temp F  
Atmos Temp F 90

Sampled by: Logan McIlroy  
Analysis by: Vicki McDaniel

H<sub>2</sub>S = 0

#### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H <sub>2</sub> S	0.000	
Nitrogen	N <sub>2</sub>	2.669	
Carbon Dioxide	CO <sub>2</sub>	9.112	
Methane	C <sub>1</sub>	74.652	
Ethane	C <sub>2</sub>	8.189	2.184
Propane	C <sub>3</sub>	3.660	1.006
I-Butane	IC <sub>4</sub>	0.387	0.126
N-Butane	NC <sub>4</sub>	0.807	0.254
I-Pentane	IC <sub>5</sub>	0.175	0.064
N-Pentane	NC <sub>5</sub>	0.160	0.058
Hexanes Plus	C <sub>6</sub> +	0.189	0.082
		100.000	3.774

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1053.1	Calculated	0.7569
At 14.65 WET	1034.7		
At 14.696 DRY	1056.4		
At 14.696 WET	1038.3	Molecular Weight	21.9219
At 14.73 DRY	1058.8		
At 14.73 Wet	1040.5		