

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.  
NMNM0392082A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
HALLERTAU 4 FEDERAL 1H9. API Well No.  
30-025-4106910. Field and Pool, or Exploratory  
WILDCAT11. County or Parish, and State  
LEA COUNTY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

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 4 T26S R32E NWNW 330FNL 560FWL

HOBBS OCD

APR 18 2016

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <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 #273993 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

*James R. Davis*

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

Wildcat Measurement Service  
P.O.Box 1836  
416 East Main Street  
Artesia, NM 88211-1836

3/19/2014 2:25 PM  
Phone: 575-746-3481  
888-421-9453  
Fax: 575-748-9852  
dnorman@wildcatms.com

### GAS ANALYSIS REPORT

Analysis For: CIMAREX ENERGY COMPANY  
Field Name:  
Well Name: HALLERTAU "4" FEDERAL #1H INJECTION  
Station Number: NIW1471147  
Purpose: SEMI-ANNUAL  
Sample Deg. F: 62.3  
Volume/Day:  
Formation:  
Line PSIG: 888.3  
Line PSIA: 901.5

Run No: 2140307-02  
Date Run: 03/07/2014  
Date Sampled: 02/13/2014  
Producer: CIMAREX ENERGY CO.  
County: LEA  
State: NM  
Sampled By: DEREK SAUDER  
Atmos Deg. F: 73.0

		GAS COMPONENTS	
		MOL%	GPM
Oxygen	O2:	0.0000	
Carbon Dioxide	CO2:	5.7613	
Nitrogen	N2:	1.6054	
Hydrogen Sulfide	H2S:	0.0000	
Methane	C1:	73.9985	
Ethane	C2:	10.3691	2.7724
Propane	C3:	5.0532	1.3918
Iso-Butane	IC4:	0.6226	0.2037
Nor-Butane	NC4:	1.3488	0.4251
Iso-Pentane	IC5:	0.2809	0.1027
Nor-Pentanes	NC5:	0.2744	0.0994
Hexanes Plus	C6+:	0.6858	0.2981
Totals		100.0000	5.2933

Pressure Base: 14.730  
Real BTU Dry: 1186.775  
Real BTU Wet: 1166.173  
  
Calc. Ideal Gravity: 0.7730  
Calc. Real Gravity: 0.7755  
Field Gravity:  
Standard Pressure: 14.696  
Ideal BTU Dry: 1179.693  
Ideal BTU Wet: 1159.166  
Z Factor: 0.9963  
Average Mol Weight: 22.3881  
Average CuFt/Gal: 55.2655  
26 lb. Product: 0.7846  
Ethane+ GPM: 5.2933  
Propane+ GPM: 2.5209  
Butane+ GPM: 1.1291  
Pentane+ GPM: 0.5003

Remarks:  
H2S IN GAS STREAM ON LOCATION: NONE DETECTED

Analysis By: Don Norman