

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
HALLERTAU 4 FEDERAL 1H

9. API Well No.
30-025-41069

10. Field and Pool, or Exploratory
WILDCAT

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 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	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 #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

Accepted for Record 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 ****

KZ
WJ
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