

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.
NMLC060329

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 Other

8. Well Name and No.
HT FEDERAL 8

2. Name of Operator
CIMAREX ENERGY COMPANY OF CO
Contact: RHONDA SHELDON
E-Mail: rsheldon@cimarex.com

9. API Well No.
30-025-39976-00-S1

3a. Address
202 S CHEYENNE AVE. SUITE 1000
TULSA, OK 74103

3b. Phone No. (include area code)
Ph: 918-295-1709

10. Field and Pool, or Exploratory
MALJAMAR

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 18 T17S R32E NWNW 530FNL 330FWL

11. County or Parish, and State
LEA 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 recomplate 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.)

AS REQUESTED, SEE THE ROE FOR THE ATTACHED ANALYSIS

100=22.5'
500=10.3'

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #337151 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/25/2016 (16JAS0350SE)**

Name (Printed/Typed) RHONDA SHELDON	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 04/21/2016

Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James C. Jones</i>	Title <i>Super. AET</i>	Date <i>12-11-17</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>CFO</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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

KZ



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (575) 397-3713

FOR: Cimarex Energy
Attention: Terry Alnsworth
600 N. Marlenfeld, Suite 600
Midland, Texas 79701

SAMPLE: Sta. # 05025488
IDENTIFICATION HT Fed. #8
COMPANY: Cimarex Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 4/22/11 10:00 am
ANALYSIS DATE: 4/25/11
PRESSURE - PSIA 41.8
SAMPLE TEMP. °F 103.3
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Morgan Vrana
ANALYSIS BY: Vicki McDaniel

REMARKS: H2S = 1,500 PPM

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		0.150	1,500 PPM
Nitrogen (N2)		2.580	
Carbon Dioxide (CO2)		1.168	
Methane (C1)		67.909	
Ethane (C2)		13.351	3.562
Propane (C3)		7.839	2.155
I-Butane (IC4)		1.103	0.360
N-Butane (NC4)		2.827	0.889
I-Pentane (IC5)		0.810	0.296
N-Pentane (NC5)		0.822	0.297
Hexane Plus (C6+)		1.441	0.625
		100.000	8.184

BTU/CU.FT. - DRY 1389
AT 14.650 DRY 1385
AT 14.650 WET 1361
AT 14.73 DRY 1392
AT 14.73 WET 1368

MOLECULAR WT. 24.3555

SPECIFIC GRAVITY -
CALCULATED 0.845
MEASURED