

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**RECEIVED**

**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.*

JAN 18 2011

HOBBSOCD

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. HT FEDERAL 8
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: NATALIE E KRUEGER E-Mail: nkrueger@cimarex.com	9. API Well No. 30-025-39976-00-X1
3a. Address 600 N MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701	10. Field and Pool, or Exploratory MALJAMAR ; Yes, W -
3b. Phone No. (include area code) Ph: 432-620-1936 Fx: 432-620-1940	11. County or Parish, and State LEA COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T17S R32E NWNW 530FNL 330FWL	

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" 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 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.)

Cimarex has changed plans regarding the BOP. Please see revised BOP description below, and attached revised BOP diagrams.

A 13-5/8" 5000 PSI working pressure BOP tested to 3000 psi consisting of one set of blind rams and one set of pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head as needed. A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

BOP unit will be hydraulically operated. BOP will be nipped up and operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the surface pipe through the

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

**Electronic Submission #99431 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
Committed to AFMSS for processing by CHERYLE RYAN on 12/28/2010 (11CMR0048SE)**

Name (Printed/Typed) NATALIE E KRUEGER	Title REGULATORY
Signature (Electronic Submission)	Date 12/22/2010

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

Approved By <u>WESLEY INGRAM</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>01/12/2011</u>
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 <u>Hobbs</u>	<u>2011</u> JAN 19 2011

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.

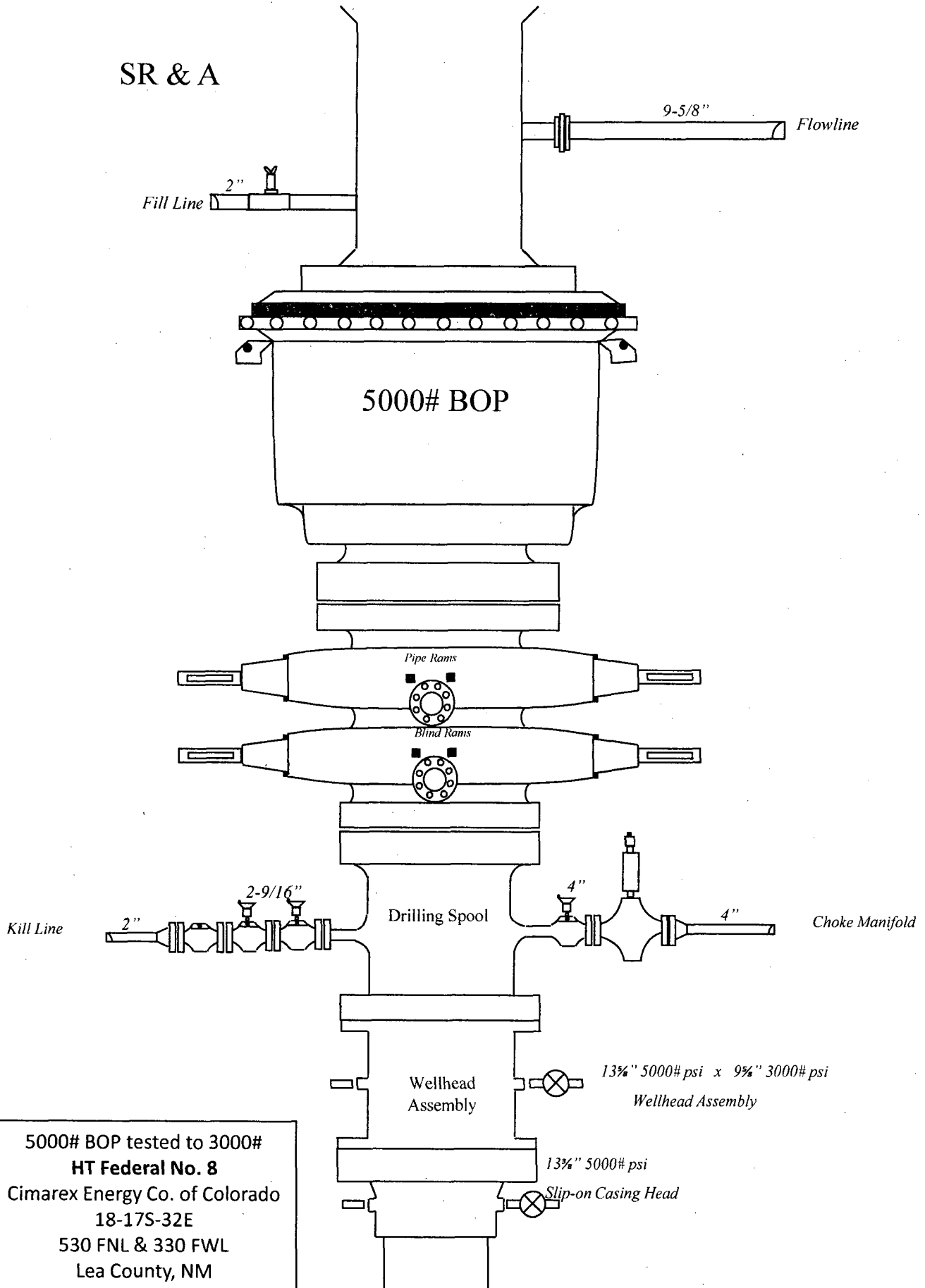
**Additional data for EC transaction #99431 that would not fit on the form**

**32. Additional remarks, continued**

running of production casing, the well will be equipped with a 5000 psi BOP system tested to 3000 psi.

BOPS will be tested by an independent service company to 250 psi low and 3000 psi high. Hydril will be tested to 250 psi low and 3000 psi high.

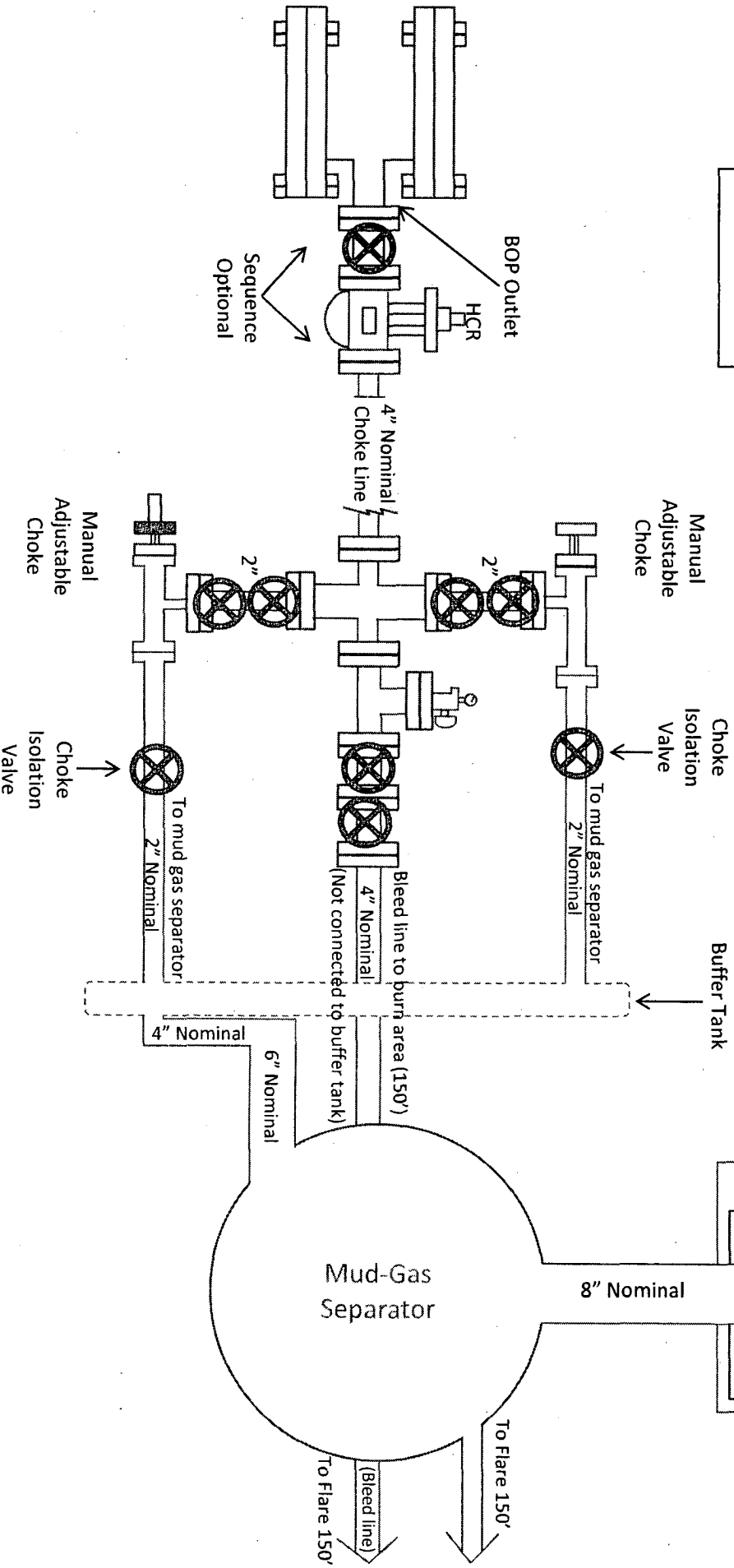
SR & A



5000# BOP tested to 3000#  
**HT Federal No. 8**  
Cimarex Energy Co. of Colorado  
18-17S-32E  
530 FNL & 330 FWL  
Lea County, NM

# Drilling Operations Choke Manifold 5M Service tested to 3M

Choke Manifold Diagram  
**HT Federal No. 8**  
 Cimarex Energy Co. of Colorado  
 18-17S-32E  
 530 FNL & 330 FWL  
 Lea County, NM



Sequence  
Optional

BOP Outlet  
HCR

4" Nominal  
Choke Line

Manual  
Adjustable  
Choke

Manual  
Adjustable  
Choke

Choke  
Isolation  
Valve

Choke  
Isolation  
Valve

To mud gas separator  
2" Nominal

To mud gas separator  
2" Nominal

Bleed line to burn area (150')  
4" Nominal  
(Not connected to buffer tank)

Buffer Tank

4" Nominal

6" Nominal

Mud-Gas  
Separator

8" Nominal

Mud Tanks

Shaker

To Flare 150'

To Flare 150'  
(Bleed line)