

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.*

OCD Artesia

**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		5. Lease Serial No. NMNM01085
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact ZENO FARRIS E-Mail: zfarris@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1938 Fx: 432-620-1940	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T, R, M., or Survey Description) Sec 23 T19S R30E NENE 1300FNL 695FEL		8. Well Name and No. IRWIN 23-14 FEDERAL 1
		9. API Well No. 30-015-39891-00-X1
		10. Field and Pool, or Exploratory HACKBERRY
		11. County or Parish, and State EDDY COUNTY, NM

**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 Drilling Operations
	<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 recompleat 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 recompleat 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.)

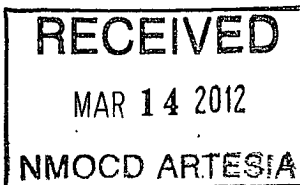
Due to rig change we are changing our BOP system for the Irwin 23 14 Fed No. 1 well from a 5K tested to 3K system to a 10K tested to 3K system. 2M diverter system for surface casing 1 in 4 string area remains the same.

See attached Exhibit e and E-1 BOP and Choke manifold diagrams and BOP specs and testing procedures with variance request for flex hose choke line.

Accepted for record  
NMOC

Handwritten: 03/15/2012

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL



14. I hereby certify that the foregoing is true and correct Electronic Submission #132682 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by WESLEY INGRAM on 03/12/2012 (12WWI0049SE)	
Name (Printed/Typed) ZENO FARRIS	Title MANAGER OPERATIONS ADMIN
Signature (Electronic Submission)	Date 03/11/2012

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

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 03/12/2012
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 Carlsbad

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 \*\***

**Co-Flex line**  
**Conditions of Approval**

Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

SR & A

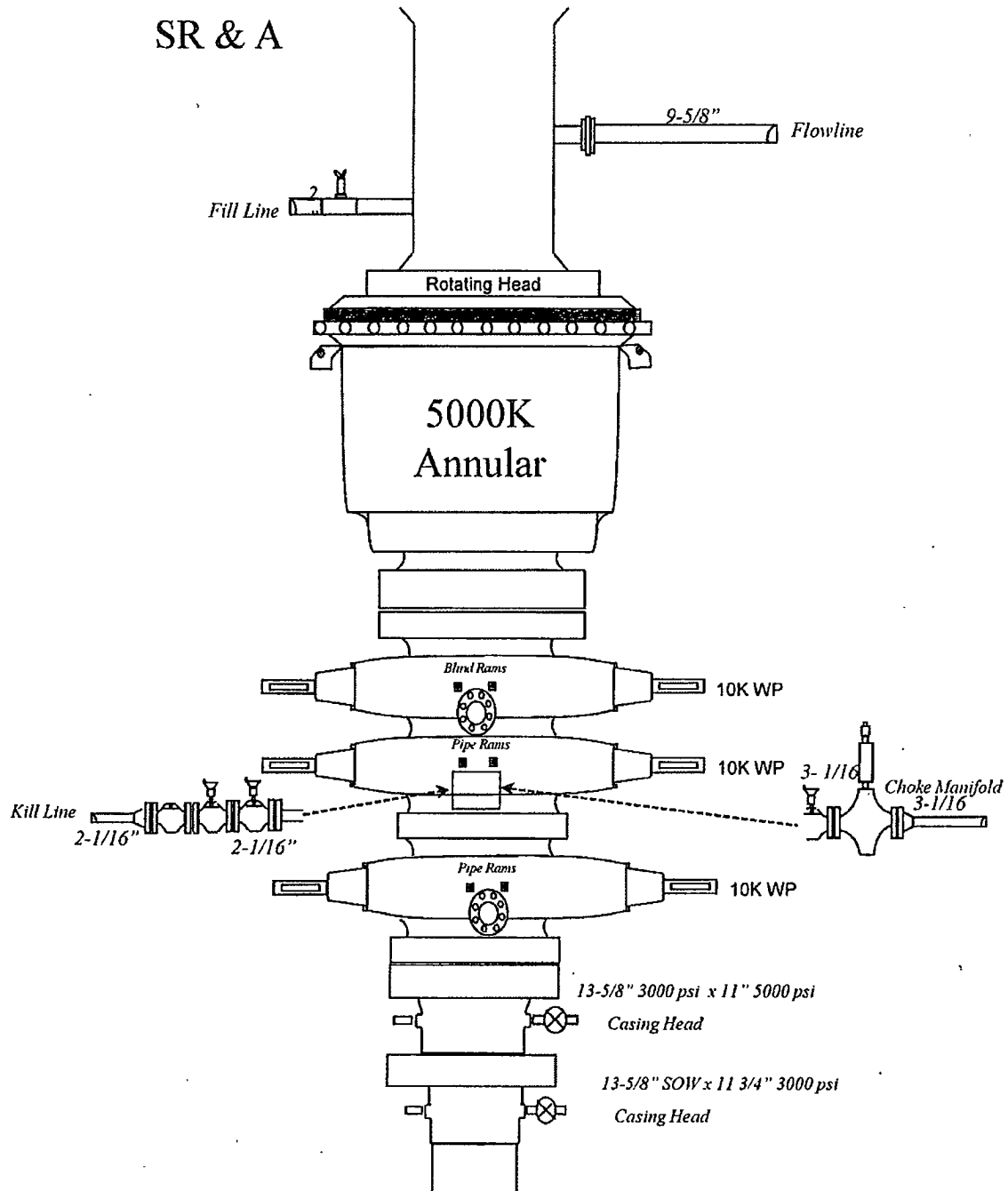
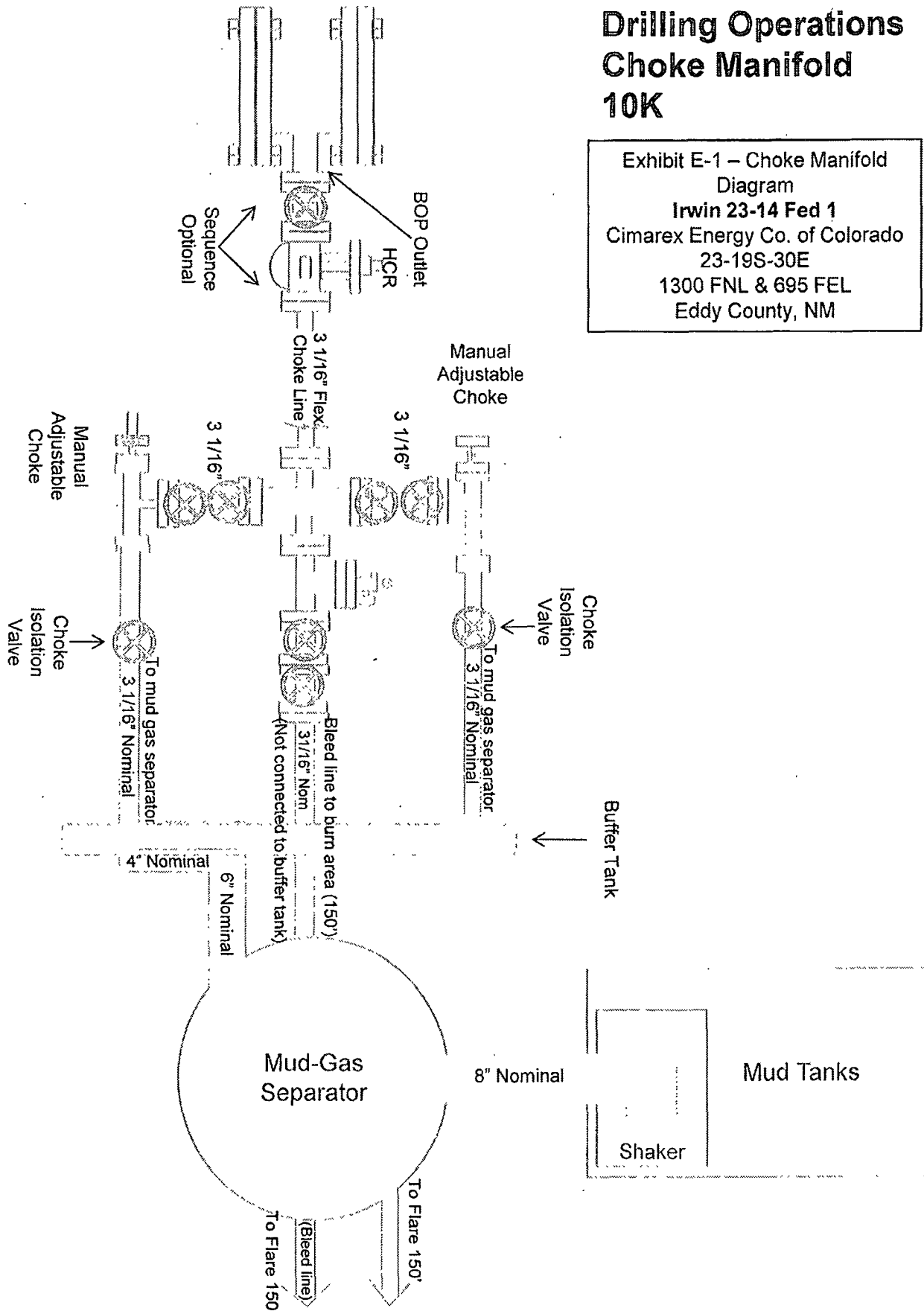


Exhibit E-10K BOP tested to 3K  
Irwin 23-14 Fed No. 1  
Cimarex Energy Co. of Colorado  
23-19S-30E  
1300 FNL & 695 FEL  
Eddy County, NM

# Drilling Operations Choke Manifold 10K

Exhibit E-1 – Choke Manifold  
Diagram  
Irwin 23-14 Fed 1  
Cimarex Energy Co. of Colorado  
23-19S-30E  
1300 FNL & 695 FEL  
Eddy County, NM



**Irwin 23-14 Federal 1**  
Cimarex Energy Co. of Colorado  
23-19S-30E  
1300 FNL & 695 FEL  
Eddy County, NM

Cimarex Energy Co. of Colorado (operator) requests a variance if Scandril Eagle (rig name) is used to drill this well to use a co-flex line between the BOP and choke manifold.

Manufacturer: Du-Tex Inc.

Serial Number: To be provided

Length: 35' Size: 3-1/16" Ends - flanges/clamps

WP rating: 10,000 psi Anchors required by manufacturer – Yes/No

Exhibit "E". A 13 5/8" 10000 PSI working pressure B.O.P. tested to 3000 PSI consisting of one set of blind rams and two sets 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 below 3600.' 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. Mud-Gas separator will be utilized if drilling in potential H2S area.

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 16" surface pipe, the well will be equipped with a 2M diverter system with rotating head (see exhibit E-1). From the base of the 11 3/4" surface pipe through the running of production casing, the well will be equipped with a 10000 psi BOP system tested to 3000 psi.

Before drilling out of 16" surface pipe the diverter system will be tested to 250 psi low and 500 psi high by rig equipment. Before drilling out of 11 3/4" surface pipe and 8 5/8" intermediate casing BOP's will be tested to 250 psi low and 3000 psi high by an independent service company. Hydril will be tested to 250 psi low and 1500 psi high.