

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

OCT 22 2008

OCD-ARTESIA

## 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.

## 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. SHL NM-89878 BHL NM-97874	
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name	
3a. Address PO Box 140907; Irving, TX 75014-0907		7. If Unit or CA/Agreement, Name and/or No. Pending	
3b. Phone No. (include area code) 972-401-3111		8. Well Name and No. Toad 31 Federal Com No. 1	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL 1650 FNL & 330 FWL 31-16S-29E BHL 1680 FNL & 330 FWL		9. API Well No. 30-015- 36715	
		10. Field and Pool, or Exploratory Area Empire; Glorieta-Yeso Wildcat	
		11. County or Parish, 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 Change Rig, BOP, and choke
	<input checked="" 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, included 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.)

Cimarex proposes to change from the permitted United Rig 40 to the new Teaco Rig 2. Please see attached rig plat.

Adding a minimum 2K annular to our permitted minimum 2K BOP system. BOP diagram attached.

Cimarex also requests a variance to use an armored 4" 3000 psi WP flexible hose for the choke line instead of a hard line on the choke manifold. This rig equipment will help quicken nipple up time, thus saving money without a safety problem. The grade D 3½" ID x 5½" OD (6½" OD w/ armor) x 7' length hose is rated to 5K working pressure and has 3K flanged ends, SS armor, and fire protection. This well is to be drilled to TD of approx. 8000' and is approved for a minimum 2M system. Spec sheet for choke line attached.

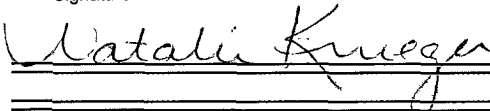
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Natalie Krueger

Signature



Title

OCT 23 2008

Regulatory Analyst

Gerry Guye, Deputy Field Inspector  
NMOCD-District 11, ARTESIA

Date

October 20, 2008

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

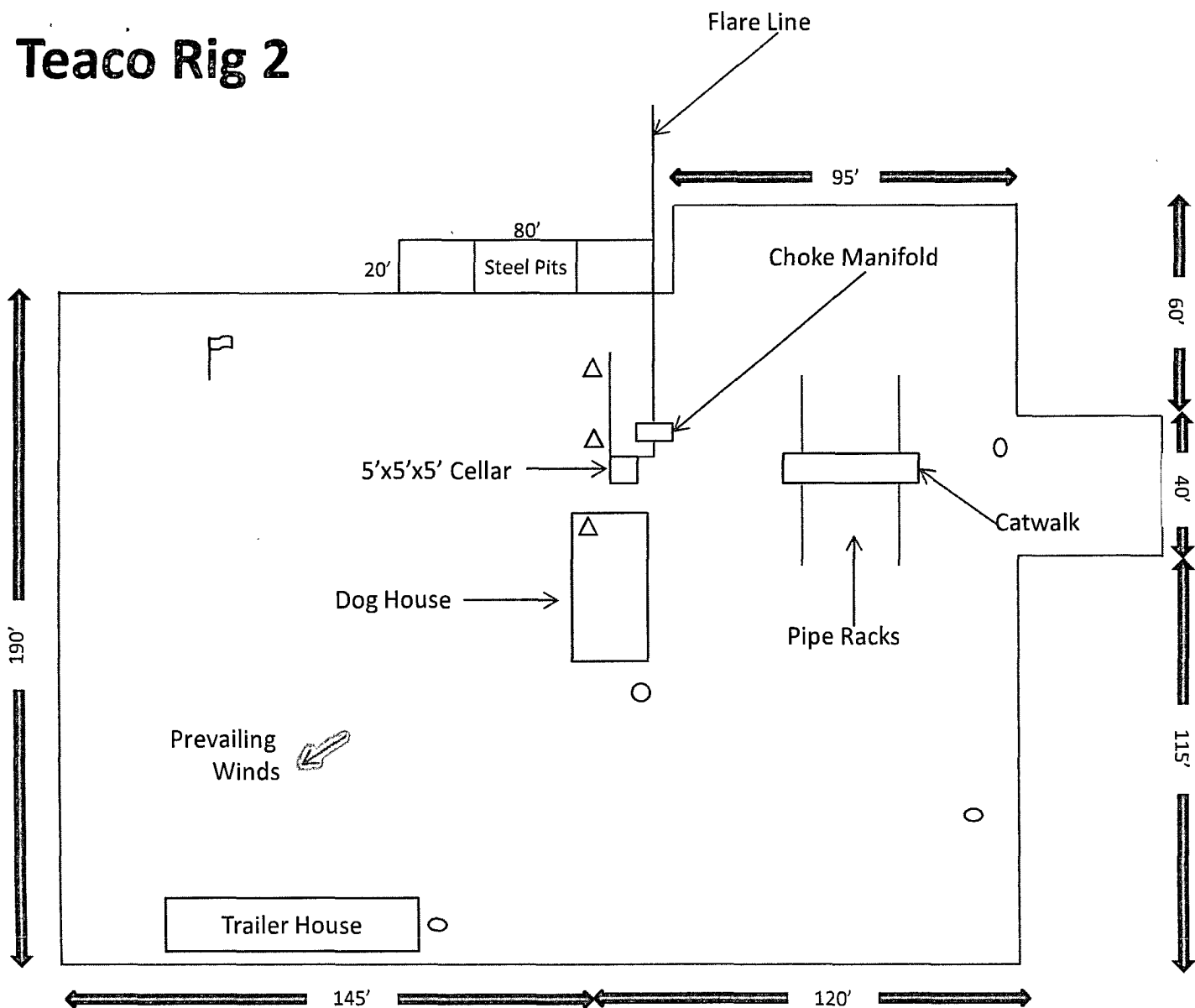
Approved by /s/ JD Whitlock Jr	Title L PET	Date 10/21/08
Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CFO	

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

# Teaco Rig 2







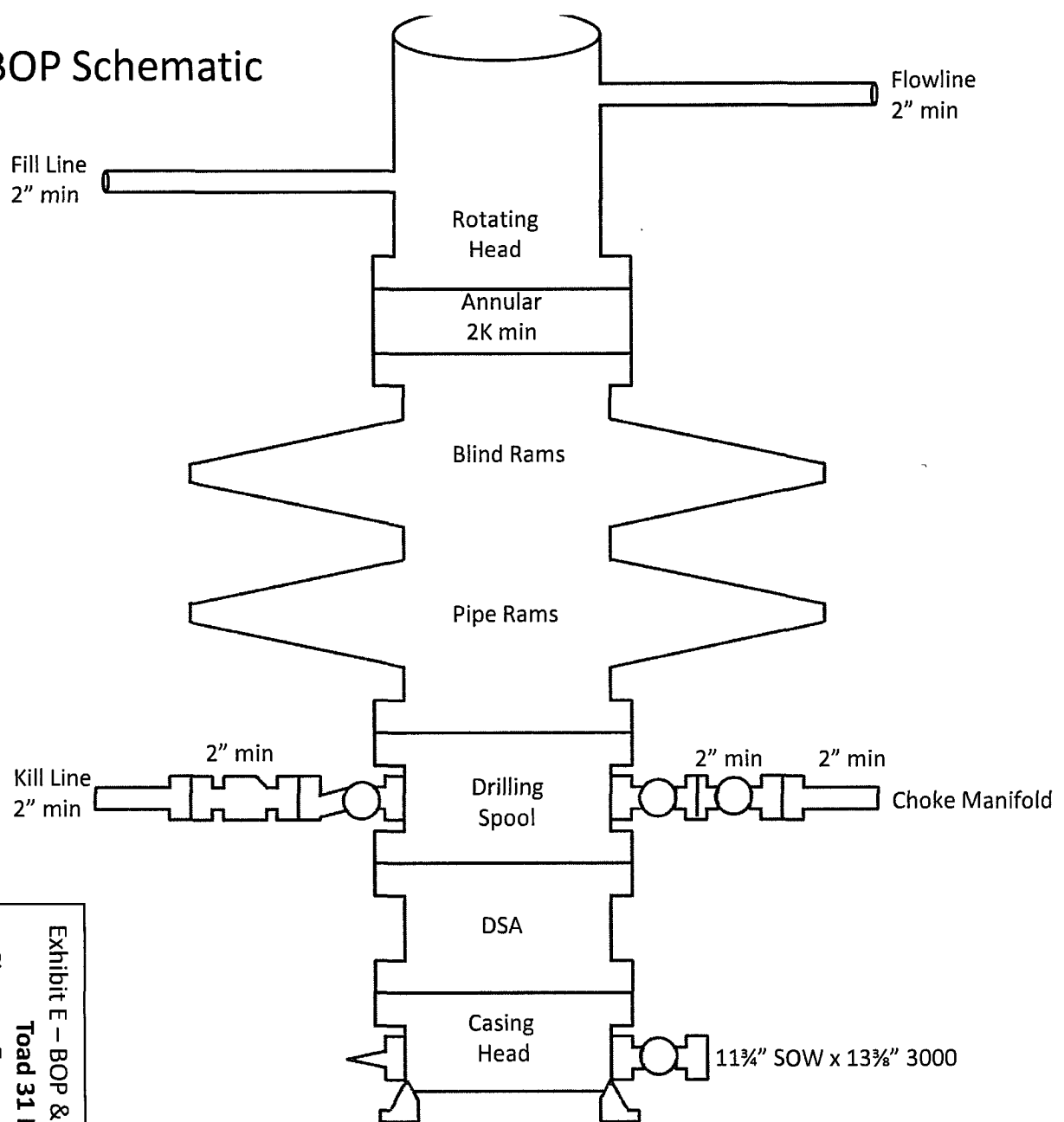
-  Wind Direction Indicators  
(wind sock or streamers)
-  H2S Monitors  
(alarms at bell nipple and shale shaker)
-  Briefing Areas
-  Remote BOP Closing Unit

Exhibit D – Rig Diagram  
**Toad 31 Fed Com 1**  
 Cimarex Energy Co. of Colorado  
 SHL 1650 FNL & 330 FWL  
 BHL 1680 FNL & 330 FWL  
 31-16S-29E  
 Eddy County, NM

# BOP Schematic



**Choke Manifold Requirement (Min 2K psi WP)**  
**No Annular Required**  
**Minimum 2" Nominal Choke Lines**

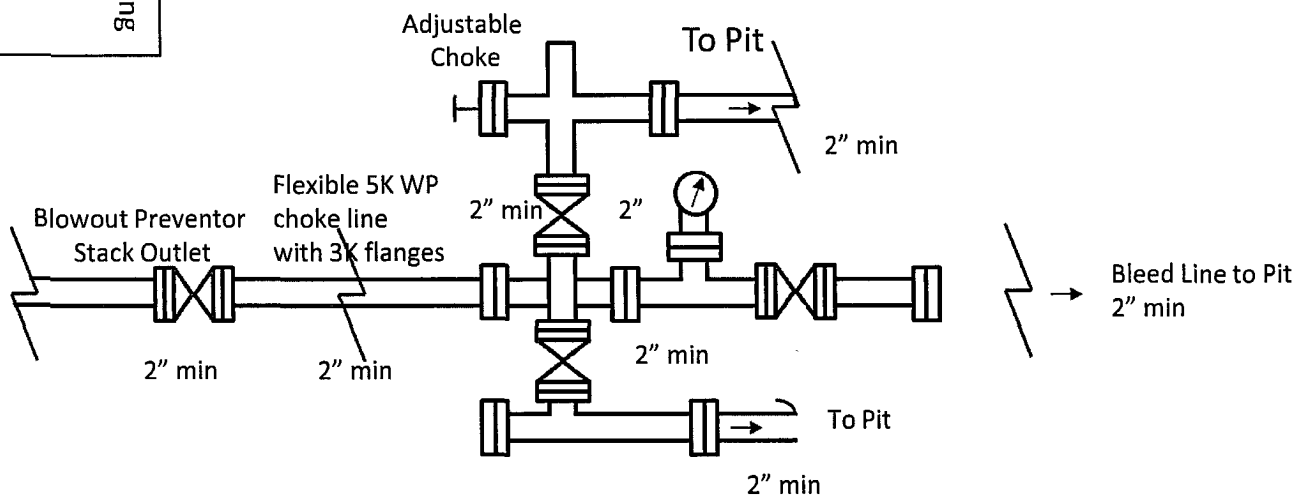
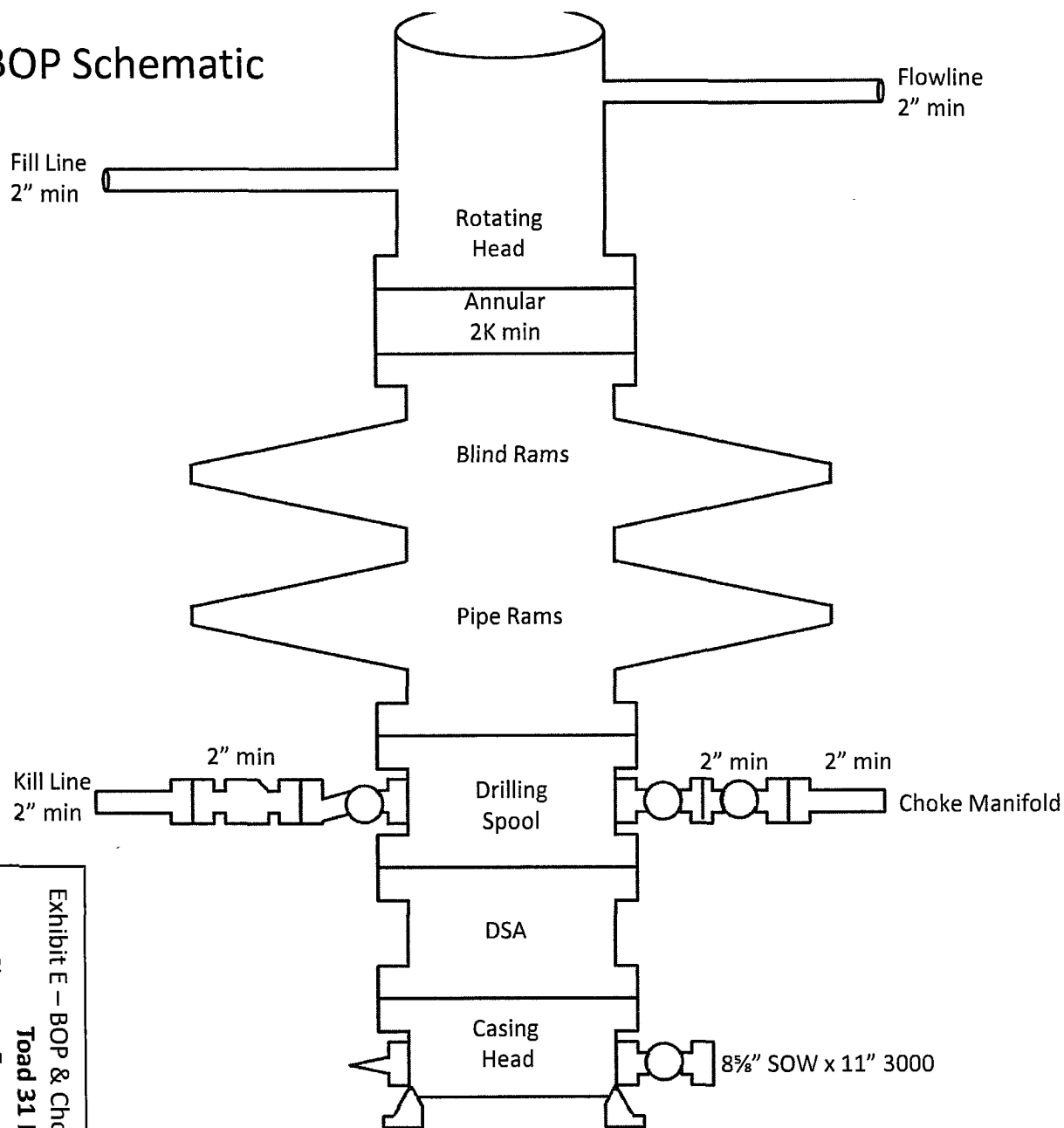


Exhibit E – BOP & Choke – Int Casing  
**Toad 31 Fed Com 1**  
 Cimarex Energy Co. of Colorado  
 SHL 1650 FNL & 330 FWL  
 BHL 1680 FNL & 330 FWL  
 31-16S-29E  
 Eddy County, NM

# BOP Schematic



**Choke Manifold Requirement (Min 2K psi WP)**

**No Annular Required**

**Minimum 2" Nominal Choke Lines**

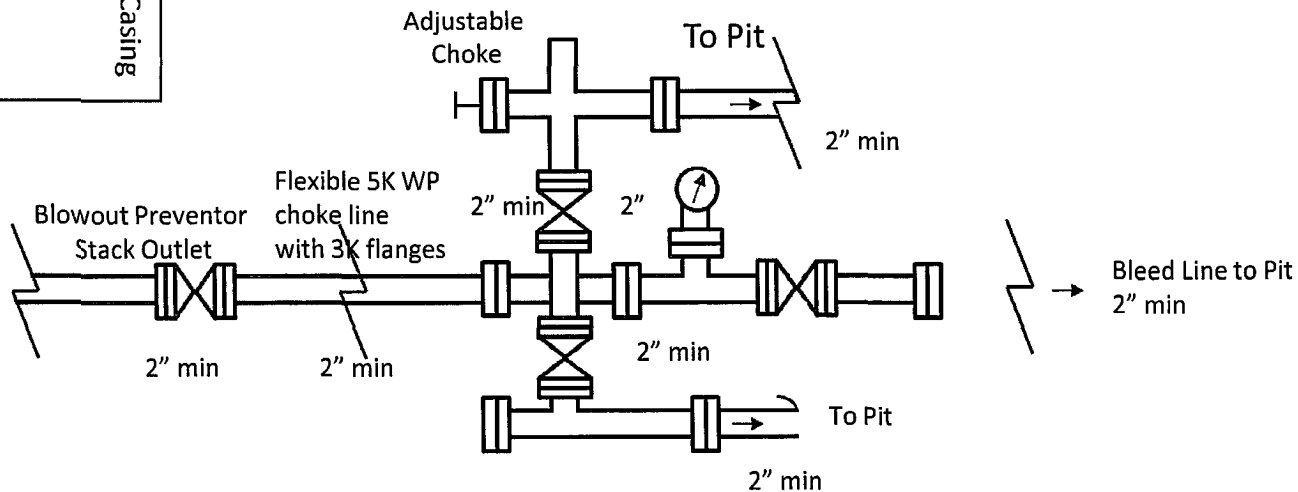


Exhibit E – BOP & Choke – Int & Prod Casing

Toad 31 Fed Com 1

Cimarex Energy Co. of Colorado

SHL 1650 FNL & 330 FWL

BHL 1680 FNL & 330 FWL

31-16S-29E

Eddy County, NM

<b>OKLAHOMA CITY, OK</b>	<b>DALLAS, TX</b>	<b>HOUSTON, TX</b>	<b>ODESSA, TX</b>	<b>CASPER, WY</b>	<b>ALICE, TX</b>	<b>GRAND JUNCTION, CO.</b>
Toll Free: 800.375.2358	Toll Free: 888.576.1344	Toll Free: 877.758.3939	Toll Free: 866.282.2488	Toll Free: 866.472.3670	Toll Free: 888.661.1815	Toll Free: 877.485.9900
Phone: 405.670.6718	Phone: 214.638.3210	Phone: 713.983.9092	Phone: 432.333.2488	Phone: 307.472.3670	Phone: 361.661.1815	Phone: 970.256.9900
Fax: 405.670.6816	Fax: 214.638.6527	Fax: 713.983.0262	Fax: 432.333.2492	Fax: 307.472.3671	Fax: 361.661.1858	Fax: 970.256.9929

## Choke and Kill Hose



The Midwest Hose & Specialty choke and kill hose is manufactured with premium components.

### Features

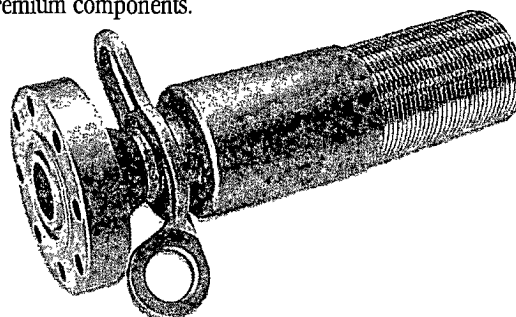
- .031 Wall on Armor

### Construction

- Reinforcement: Two or four high strength steel cables
- Cover: Ozone, petroleum and abrasion resistant
- Thermal Blanket: 1500°F continuous rating, non-flammable and non-conductive
- Inner Tube: Petroleum resistant for oil based drilling fluids
- End Fittings: API Male nipples, threaded or butt weld hammer unions, unbolt, API flanges and other special connections.
- Certification: API 7K
- Maximum Length: 110 feet
- Operating Temperatures: -22°F to 200°F (-30°C to 93°C)
- Option: Available with Stainless Steel armor and fire protection
- End Connection: Good for H<sub>2</sub>S service.

### Typical Application

- Specific design for flexible connection between the Riser and Manifold.



Part Number	Description				
	Hose I.D. (in.)	Hose O.D. (in.)	Work. Press. (PSI)	Test Press. (PSI)	Wt. Per Ft. (lbs.)
CK-40D ARMOR	2 1/2	6	5000	10,000	15.0
CK-48D ARMOR	3	6 1/4	5000	10,000	17.5
CK-56D ARMOR	3 1/2	6 1/2	5000	10,000	20.0
CK-64D ARMOR	4	8	5000	10,000	28.0
CK-4010K ARMOR	2 1/2	7	10,000	15,000	22.0
CK-4810K ARMOR	3	7 3/4	10,000	15,000	30.0
CK-5610K ARMOR	3 1/2	8	10,000	15,000	32.0
CK-6410K ARMOR	4	9	10,000	15,000	36.0

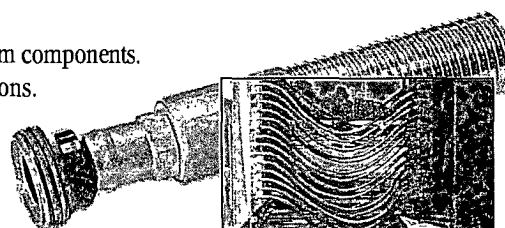
## BOP Control Line Hose



The Midwest Hose & Specialty BOP control line is manufactured with only premium components.

The Stainless Steel armor is heavy duty .015 gauge for those tough oilfield applications.

A special Carbon or Stainless Steel nipple with a large hex and longer threads allows for easy and complete installation of hammer unions. Choose the Midwest Hose Brand BOP control lines for your demanding applications.



### Features

- Safety Factor (Hose): 4:1

### Construction

- Armor: .015 heavy duty Stainless Steel.
- Armor Wall: .031 wall thickness.
- Thermal Blanket: 1500°F continuous rating, non-flammable, and non-conductive.
- End Connection: 303 Stainless Steel with extra long hex (Carbon Steel also available).
- Armor Ferrule: 316 Stainless Steel (Carbon Steel also available).

### Typical Application

- For oilfield BOP hydraulic control line hose connections. Also available in 1/2", 3/4", 1 1/4" and 1 1/2" sizes.

Part Number	Description				
	Hose I.D. (in.)	Hose O.D. (in.)	Work. Press. (PSI)	Test Press. (PSI)	Wt. Per Ft. (lbs.)
BOP-16	1	2 1/16	5000	20,000	2.75
BOP-32	2	3 1/2	5000	20,000	8.25



Midwest Hose  
& Specialty, Inc.

Cimarex Energy Co. of Colorado  
Toad 31 Federal Com. #1  
T16S, R29E, Sec. 31  
NM97874

**Condition of Approval for flexible hose on BOP/BOPE**

1. Check condition of 4" flexible line from BOP to BOPE, replace if exterior is damaged or if line fails test. Line to be as straight as possible. Sundry requesting variance for flex line is approved with this condition.