

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0136  
Expires January 31, 2004

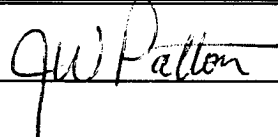
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>NMSF - 0078841A</b>	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator <b>XTO Energy Inc.</b>		7. Unit or CA Agreement Name and No.	
3a. Address <b>2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM</b>		8. Lease Name and Well No. <b>Hampton #2</b>	
3b. Phone No. (include area code) <b>324-4090</b>		9. API Well No. <b>3004532314</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface <b>805' FNL x 660' FEL in sec 10, T30N, R11W</b> At proposed prod. zone		10. Field and Pool, or Exploratory <b>Blanco Mesaverde/Basin Dakota</b>	
14. Distance in miles and direction from nearest town or post office* <b>Location is approx 4 air miles northeast of Aztec Postoffice</b>		11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec 10, T30N, R11W</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) <b>493'</b>		12. County or Parish <b>San Juan</b>	
16. No. of Acres in lease <b>39.1</b>		13. State <b>NM</b>	
17. Spacing Unit dedicated to this well. <b>318.04 EA DK</b> <b>319.1 NO MV</b>			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>850'</b>		19. Proposed Depth <b>5,050'</b>	
20. BLM/BIA Bond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5,789' GL</b>		22. Approximate date work will start* <b>Summer 2004</b>	
23. Estimated duration <b>1 week</b>			

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan  | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) <b>Jeffery W. Patton</b>	Date <b>4/15/04</b>
Title <b>Drilling Engineer</b>		
Approved by (Signautre) <b>Original Signed: Stephen Mason</b>	Name (Printed/Typed)	Date <b>AUG 25 2004</b>
Title Office		

Application approval 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.  
Conditions of approval, if any, are attached.

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.

\*(Instructions on Reverse)

APD/ROW

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-32314	<sup>2</sup> Pool Code 71599	<sup>3</sup> Pool Name Basin Dakota
<sup>4</sup> Property Code 32291	<sup>5</sup> Property Name HAMPTON	<sup>6</sup> Well Number 2
<sup>7</sup> GRID No. 1107067	<sup>8</sup> Operator Name XTO ENERGY INC.	<sup>9</sup> Elevation 5789

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	30-N	11-W		805	NORTH	660	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 318.04 E/2	<sup>13</sup> Joint or Infill I	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
---	------------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> <p>SEC. CORNER FD 1" REBAR</p> <p>N 89°29'07" W 5193.7' (M)</p> <p>LAT: 36°49'53" N. (NAD 27) LONG: 107°58'16" W. (NAD 27)</p> <p>LOT 1</p> <p>LOT 2</p> <p>500'11'06" W 2618.3' (M)</p> <p>SEC. CORNER FD 3 1/4" BLM 1969 BC</p> <p>10</p> <p>AUG 2004 RECEIVED OIL CONG. DIV. DIST. 8</p>	<p>17</p> <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature <i>Billy K Small</i> Printed Name <i>Billy K Small</i> Title <i>Drilling Assistant</i> Date <i>4/15/04</i></p> <p>18</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey <i>4/15/04</i> Signature and Seal of Professional Surveyor <i>David A. Johnson</i> Professional Surveyor No. <i>14827</i> Certificate Number <i>14827</i></p>
---	--

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-065-32314	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesaverde
<sup>4</sup> Property Code 32291	<sup>5</sup> Property Name HAMPTON	<sup>6</sup> Well Number 2
<sup>7</sup> OGRID No. 1167067	<sup>8</sup> Operator Name XTO ENERGY INC.	<sup>9</sup> Elevation 5789

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	30-N	11-W		805	NORTH	660	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

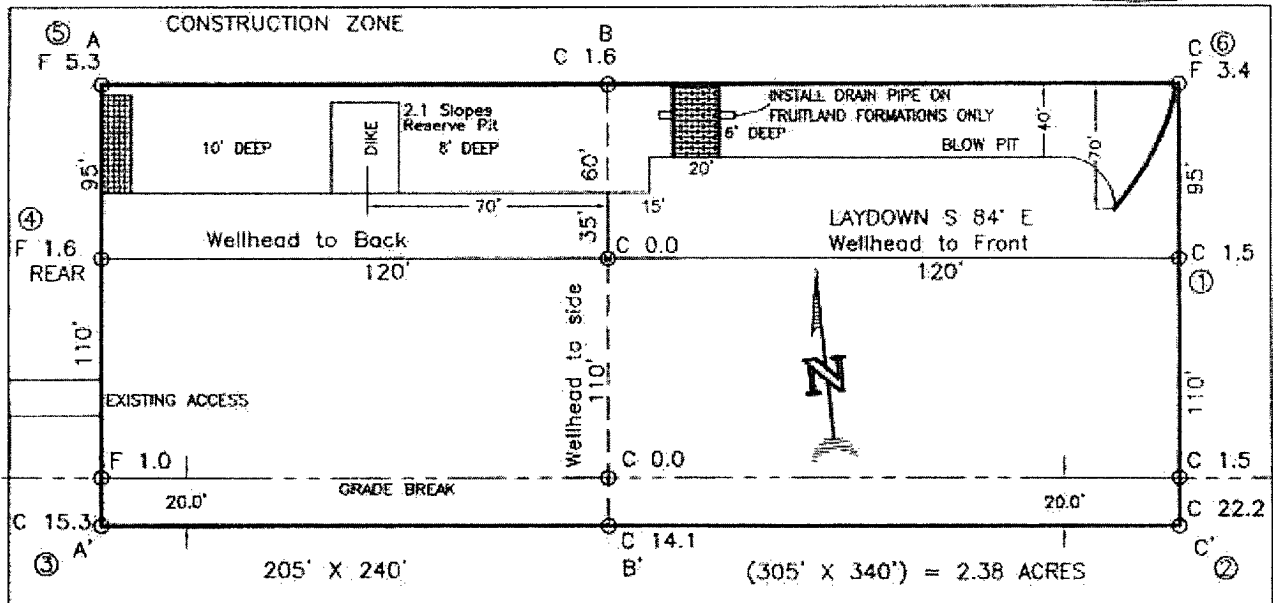
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 319.10 00/2			<sup>13</sup> Joint or Infill I		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> <p>SEC. CORNER FD 1" REBAR</p> <p>N 89°29'07" W 5193.7' (M)</p> <p>LAT: 36°49'53" N. (NAD 27) LONG: 107°58'16" W. (NAD 27)</p> <p>LOT 1</p> <p>660'</p> <p>S 00°11'06" W 2618.3' (M)</p> <p>10</p> <p>SEC. CORNER FD 3 1/4" BLM 1969 BC</p> <p>AUG 2004 OIL CON. DIV. DIST. 8</p>		<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Deborah K. Smal</i> Signature</p> <p>Deborah K. Smal Printed Name</p> <p>Drilling Assistant Title</p> <p>4/7/04 Date</p>
<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>DAVID A. JOHNSON NEW MEXICO 14827 REGISTERED PROFESSIONAL SURVEYOR</p> <p>03</p> <p>14827 Certificate Number</p>		

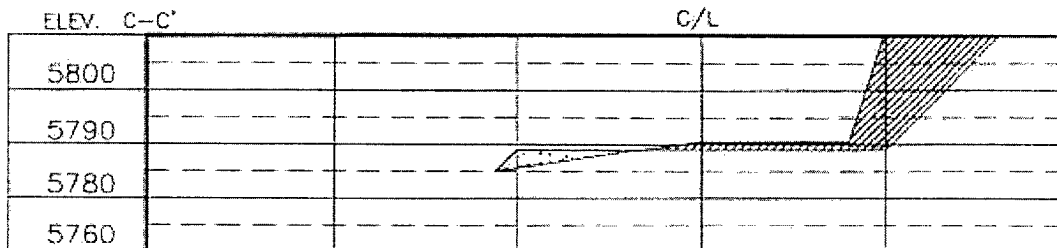
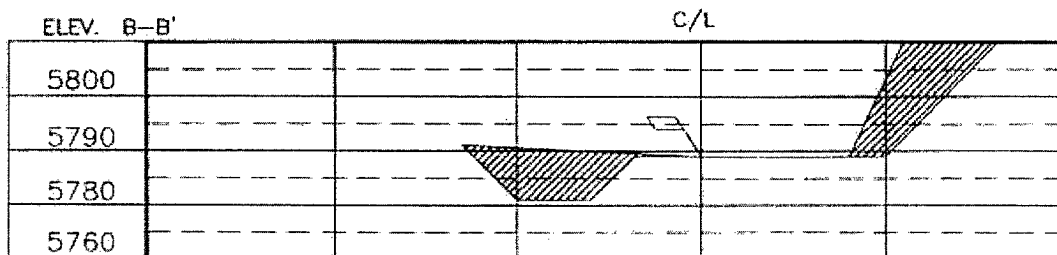
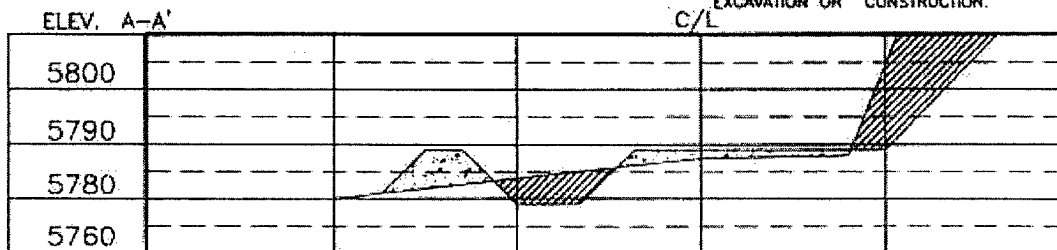
XTO ENERGY INC.  
 HAMPTON No. 2, 805 FNL 660 FEL  
 SECTION 10, T30N, R11W, N.M.P.M., SAN JUAN COUNTY, N. M.  
 GROUND ELEVATION: 5789, DATE: NOVEMBER 12, 2003

LAT. = 36°49'53" N  
 LONG. = 107°58'16" W  
 NAD 27



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

DRAWN BY: A.G. ROW#: CR219 CADFILE: CR219CF8 DATE: 11/13/03

Daggett Enterprises, Inc.  
 Surveying and Oil Field Services  
 P. O. Box 15068 Farmington, NM 87401  
 Phone (505) 326-1772 Fax (505) 326-6319

EXHIBIT D

# XTO ENERGY INC.

Hampton #2

APD Data

April 15, 2004

Surface Location: 805' FNL & 660' FEL, Sec 10, T30N, R11W County: San Juan State: New Mexico

TOTAL DEPTH: ±7,200'

GR ELEV: 5,789'

OBJECTIVE: Dakota/Mesaverde

Est KB ELEV: 5,801' (12' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 265'	265' to 2,600'	2,600' to TD
HOLE SIZE	12-1/4"	8-3/4"	6-1/4"
MUD TYPE	FW/Native Mud	FW/Polymer	Air/Foam
WEIGHT	8.6-8.8	8.6-9.0	
VISCOSITY	28-32	29-34	
WATER LOSS	NC	NC	

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. RU air compressors after setting the intermediate csg. Drill with air or foam to TD.

## 2. CASING PROGRAM:

Surface Casing: 9-5/8" casing to be set at ± 265' in 8.6 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-265'	265'	36.0#	J-55	STC	2020	3520	394	8.921	8.765	5.98	5.68	15.73

Intermediate Casing: 7" casing to be set at ±2,600' in 9.0 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 2,600'	2,600'	20.0#	J-55	STC	2270	3740	234	6.456	6.331	1.15	1.31	2.57

Production Casing: 4-1/2" casing to be set at 7,200' in air.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 7,200'	7,200'	10.5#	J-55	STC	4010	4790	132	4.052	3.927	1.33	1.20	1.90

EXHIBIT E

3. **WELLHEAD:**

- A. Bradenhead: 9-5/8" x 7" 2,000 psig WP (4,000 psig test).  
Casinghead: 7" x 4-1/2" 3,000 psig WP (6,000 psig test).

4. **CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):**

- A. Surface: 9-5/8", 36.0#, J-55, STC casing to be set at  $\pm 265'$ .

Lead: 150 sx of Type III or equivalent cement containing accelerator and LCM typically mixed at 14.5 ppg, 1.39 ft<sup>3</sup>/sk, & 6.30 gal wtr/sk.

*Total slurry volume is 209 ft<sup>3</sup>, 100% excess of calculated annular volume to 265'.*

- B. Intermediate: 7", 20.0#, J-55, STC casing to be set at  $\pm 2,600'$ .

Lead: 250 sx of Type III or equivalent cement containing extender, accelerator and LCM typically mixed at 11.4 ppg, 3.03 ft<sup>3</sup>/sk, 18.51 gal wtr/sx.

Tail: 150 sx of Type III or equivalent cement containing accelerator and LCM typically mixed at 14.5 ppg, 1.41 ft<sup>3</sup>/sk, 6.30 gal wtr/sx.

*Total slurry volume is 969 ft<sup>3</sup>, circulated to surface. This value is  $\pm 100%$  (excess) over gage hole volume.*

- C. Production: 4-1/2", 10.5#, J-55, STC casing to be set at  $\pm 7,200'$ .

Lead:  $\pm 275$  sx of Class "H" Premium Lite High Strength (65/35/6) containing dispersant, fluid loss, salt and LCM typically mixed at 12.5 ppg, 2.01 ft<sup>3</sup>/sk, 10.12 gal wtr/sx.

Tail: 150 sx of Class "H" or equivalent cement containing extender, dispersant, fluid loss and LCM typically mixed at 14.7 ppg, 1.38 ft<sup>3</sup>/sk, 6.70 gal wtr/sx..

*Total estimated slurry volume for the 4-1/2" production casing is 760 ft<sup>3</sup> for 5,100' of fill. Est. TOC should be @  $\pm 2,100'$ . 40% (excess) over gage hole volume has been added to the number of sacks indicated.*

*Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%.*

5. **LOGGING PROGRAM:**

- A. Mud Logger: A two man mud logging crew will come on the hole @ 3,000' and remain on the hole until TD.

- B. Open Hole Logs as follows: Run Dual Induction/MSFL/GR/CAL/SP/CNL/LDT (lithodensity) from TD to the bottom of the intermediate csg (@  $\pm 2,600'$  MD). Run cased hole GR/CCL from TD to surface.

**EXHIBIT E**

**6. FORMATION TOPS:**

Formation	Subsea Depth	Well Depth (MD)
Ojo Alamo SS	+4945'	856'
Kirtland Shale	+4818'	983'
Farmington Sandstone	+4573'	1228'
Fruitland Formation	+4113'	1688'
Lower Fruitland Coal	+3700'	2101'
Pictured Cliffs SS	+3510'	2291'
Lewis Shale	+3310'	2491'
Chacara Sandstone	+2445'	3356'
Cliffhouse SS	+1862'	3939'
Menefee	+1695'	4106'
Point Lookout SS	+1197'	4604'
Mancos Shale	+875'	4926'
Gallup Sandstone	-40'	5841'
Greenhorn Limestone	-787'	6588'
Graneros Shale	-845'	6646'
1 <sup>st</sup> Dakota	-896'	6697'
2 <sup>nd</sup> Dakota		
3 <sup>rd</sup> Dakota	-973'	6774'
4 <sup>th</sup> Dakota		
5 <sup>th</sup> Dakota	-1017'	6818'
6 <sup>th</sup> Dakota	-1068'	6869'
Burro Canyon Ss	-1150'	6951'
Morrison	-1170'	6971'
Projected TD	-1399'	7200'

**7. COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
Dennis Elrod	Drilling Foreman	505-486-6460 cell	505-326-2024
Reed Meek	Project Geologist	817-885-2191	432-687-0615
Barry Voigt	Reservoir Engineer	817-885-2462	817-540-2092

JWP  
4/15/04

EXHIBIT E

# BOP SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

## TESTING PROCEDURE

### 1. Test BOP after installation:

Pressure test BOP to 200-300  
psig (low pressure) for 5 min.

Test BOP to Working Press or  
to 70% internal yield of surf csg  
(10 min).

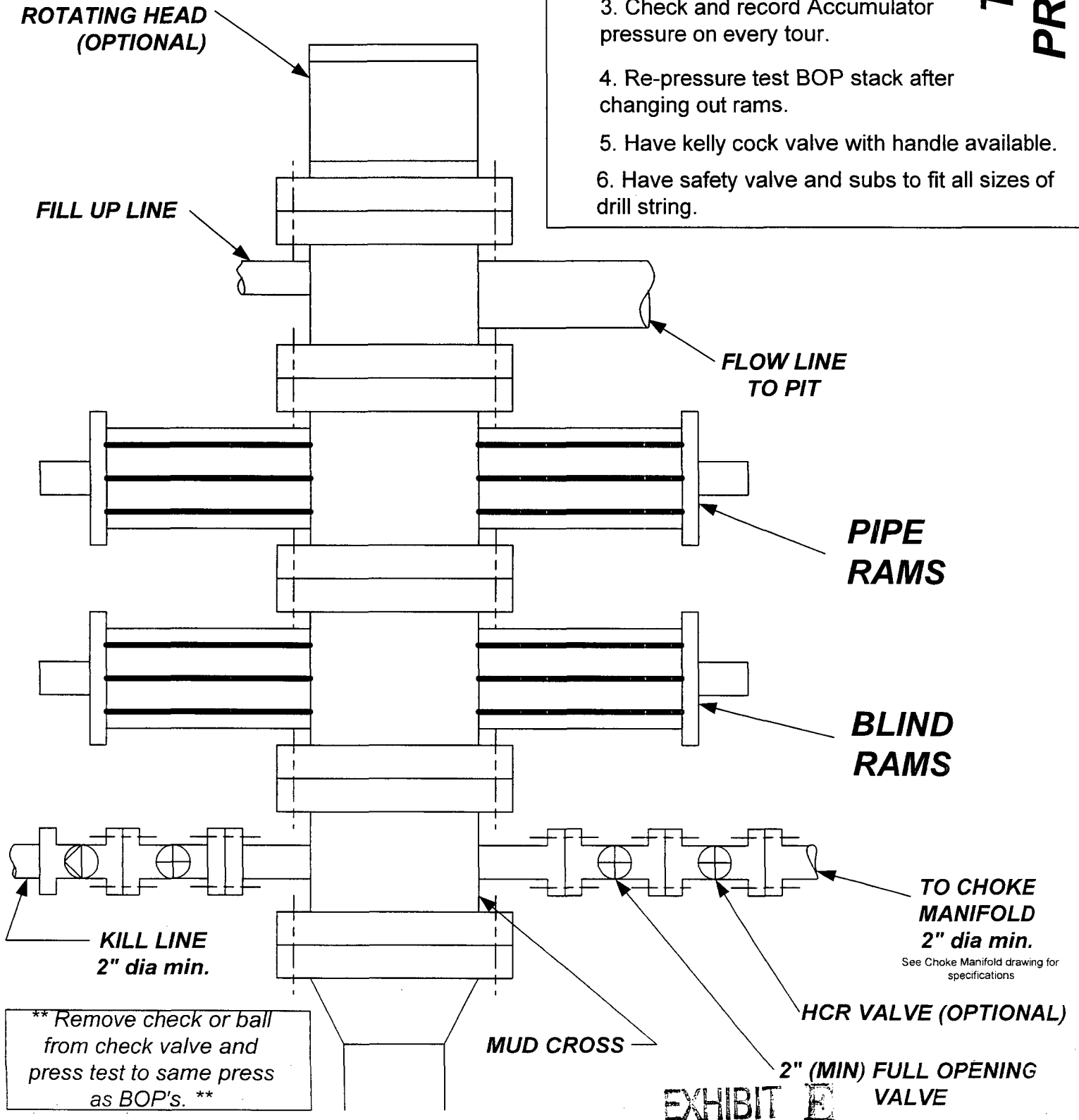
### 2. Test operation of (both) rams on every trip.

### 3. Check and record Accumulator pressure on every tour.

### 4. Re-pressure test BOP stack after changing out rams.

### 5. Have kelly cock valve with handle available.

### 6. Have safety valve and subs to fit all sizes of drill string.



# **CHOKE MANIFOLD** **SCHEMATIC FOR DRILLING** **OPERATIONS** **CLASS 1 (2M) NORMAL** **PRESSURE**

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

## **TESTING** **PROCEDURE**

