

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Road, Aztec, NM 87410

## District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

## Oil Conservation Division

1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101

May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address XTO Energy Inc. 2700 Farington Ave. Ste 1 Bldg K Farmington, NM 87401		<sup>2</sup> OGRID Number 167067
<sup>3</sup> Property Code 22829	<sup>5</sup> Property Name State Gas Com "N"	<sup>4</sup> APL Number 30 - 045-32659
<sup>9</sup> Proposed Pool 1 Basin Fruitland Coal		<sup>10</sup> Proposed Pool 2

<sup>7</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
G	16	31N	12W		1,790'	North	1,600'	East	San Juan ✓

<sup>8</sup> Proposed 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

## Additional Well Information

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary Rotary	<sup>14</sup> Lease Type Code State	<sup>15</sup> Ground Level Elevation 6,126'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 2,750'	<sup>18</sup> Formation Fruitland Coal	<sup>19</sup> Contractor Stewart Brothers	<sup>20</sup> Spud Date Fall 2004
Depth to Groundwater >100 feet		Distance from nearest fresh water well >1 mile		Distance from nearest surface water >1 mile
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 1,000_bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24.0#/ft	225'	150 sx	Surface
7-7/8"	5-1/2"	15.5#	2,750'	325 sx	Surface

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Surface: 150 sx Type III cement w/2% CC & 1/4# cello mixed @ 14.5 ppg, 1.41 cuft/sx. Circ cement to surf.

Production: 225 sx (lead) Type III cement w/8% gel, 1/4#/sx cello mixed @ 11.9 ppg, 2.54 cuft/sx followed by 100 sx (tail) Type III cement w/1% CC & 1/4# cello mixed @ 14.5 ppg, 1.41 cuft/sx. Circ cement to surf.

Final cement volumes will be 40% over open hole log volumes. Cement additives may change based on well conditions and availability of the additives. Cement densities will not be changed.

BOP diagram is attached.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.

Printed name:

Title: Drilling Engineer

E-mail Address: Jeff\_Patton@XTOEnergy.com

Date: 11/1/04

Phone: 505 - 324 - 1090

## OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

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Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30045-32659	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 22829	Property Name STATE GAS COM N	Well Number 2
OGRID No. 167067	Operator Name XTO ENERGY INC.	Elevation 6126'

<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
G	16	31-N	12-W		1790	NORTH	1600	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
Dedicated Acres 320 M2			Joint or Infill I		Consolidation Code		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>FD. 3 1/4" BC. B.L.M. 1952</p> <p>N 87-34-04 W 2639.6' (M)</p> <p>1790'</p> <p>1600'</p> <p>FD. 3 1/4" BC. B.L.M. 1951</p> <p>N 0-58-06 E 2682.6' (M)</p> <p>16</p> <p>LAT. 36°53'04"N (NAD 27) LONG. 108°05'50"W (NAD 27)</p> <p>NOV 2004</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><u>Billy K Small</u> Signature</p> <p><u>Billy K Small</u> Printed Name</p> <p><u>Drilling Assistant</u> Title</p> <p><u>10/13/04</u> Date</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 knowledge and belief.</p> <p><u>JOHN A VUKONICH</u> Signature and Seal of Professional Surveyor</p> <p>14831</p> <p>Certificate Number</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 knowledge and belief.</p> <p><u>JOHN A VUKONICH</u> Signature and Seal of Professional Surveyor</p> <p>14831</p> <p>Certificate Number</p>

# 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).

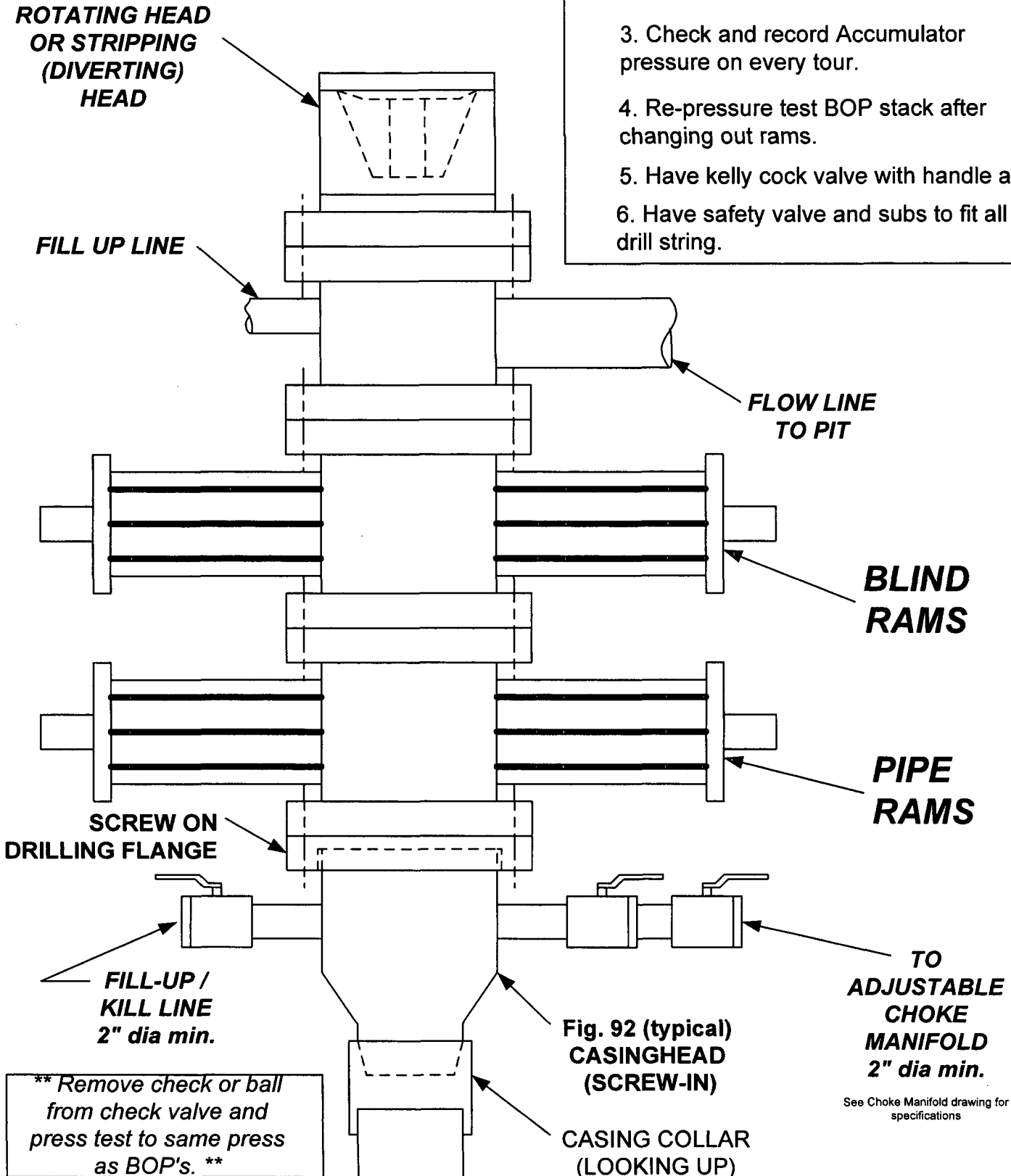
### 2. Test operation of (both) rams on every trip.

### 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

