

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
Revised March 17, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

¹ Operator Name and Address XTO Energy Inc. 2700 Farmington Ave., Bldg. K. Ste 1		² OGRID Number 167067
⁴ Property Code 32284		³ API Number 30-045-32299
⁵ Property Name Fee		⁶ Well No. #3C

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	3	30N	11W		2,180'	South	1105'	West	San Juan

⁸ 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

⁹ Proposed Pool 1 Blanco Mesaverde	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 5,633' Ground Level
¹⁶ Multiple N	¹⁷ Proposed Depth 4,900'	¹⁸ Formation Mesaverde	¹⁹ Contractor Aztec Well Service	²⁰ Spud Date Winter, 2004

²¹ 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#, J-55, STC	260'	175 sx	Surface
7-7/8"	4-1/2"	10.5#, J-55, STC	4,900'	575 sx	Surface

²² 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: 175 sx of Type III cement w/2% CC & 1/4#/sx cello (14.8 ppg, 1.39 cuft). Circ to surface.

Production: 425 sx Type III w/8% gel & 1/4#/sx cello (11.4 ppg & 3.03 cuft/sx) followed by 150 sx Premium Lite cmt w/2% LCM & 1/4#/sx cello (12.5 ppg & 2.01 cuft/sx). Circ cement to surface.

Remarks: Use 40% excess over volume calculated from op hole logs to determine final cement volume.

BOP diagram is attached.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: **Jeffrey W. Patton**

Title: **Drilling Engineer**

Date:

Phone:

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

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 **REC'D / SAN JUAN**

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

OCT 14 2003

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32299	² Pool Code 72319	³ Pool Name Bianco mesaverde
⁴ Property Code 32284	⁵ Property Name FEE	⁶ Well Number 3C
⁷ GRID No. 1107067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5633

¹⁰ Surface Location

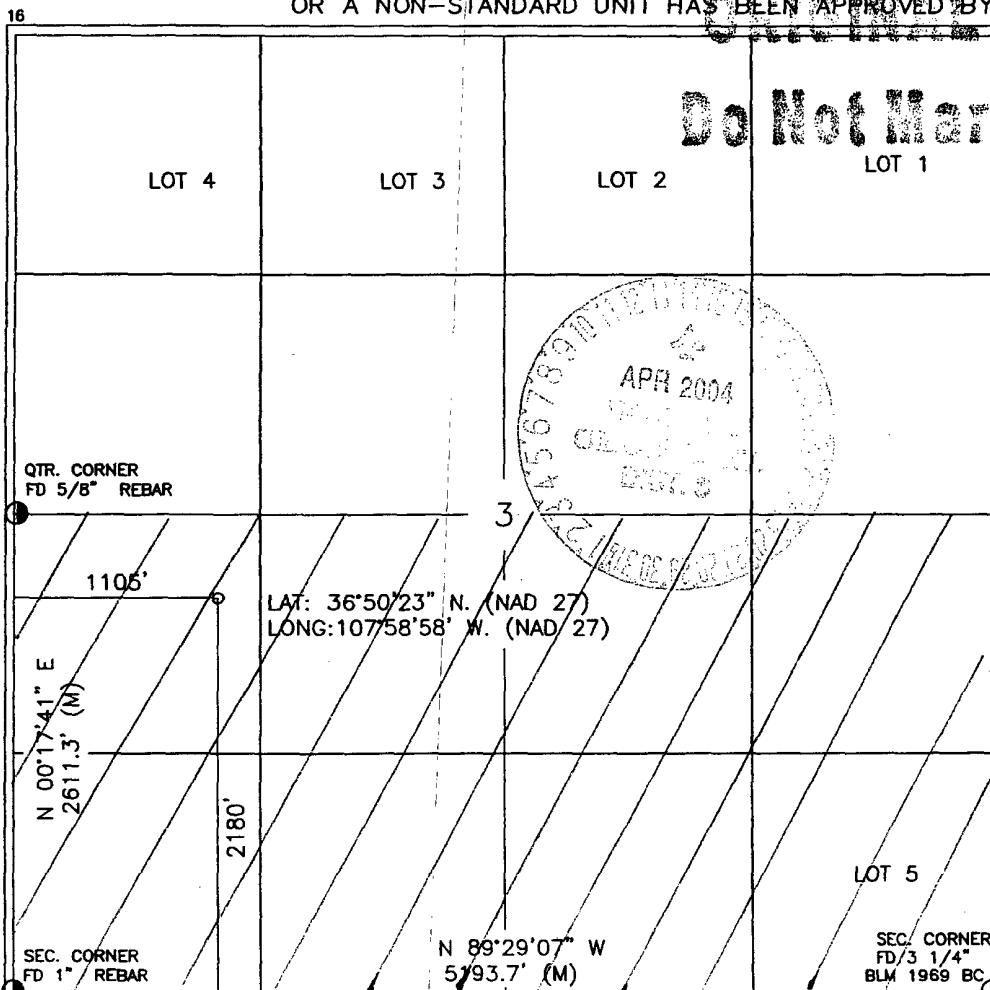
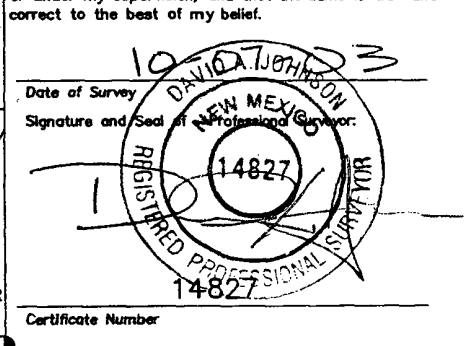
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	3	30-N	11-W		2180	SOUTH	1105	WEST	SAN JUAN

¹¹ 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

¹² Dedicated Acres 319.14 S12	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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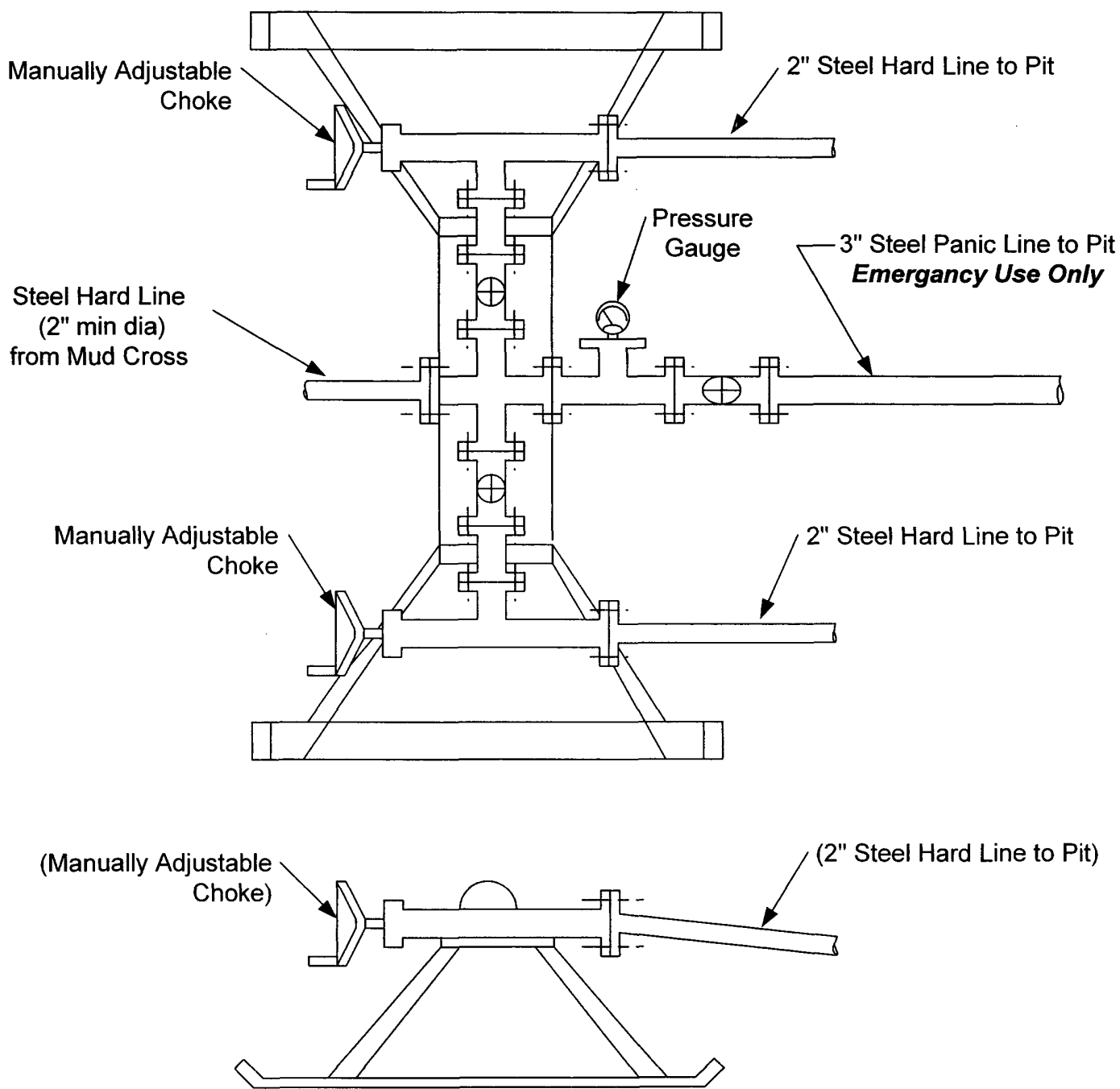
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Do Not Mark			
LOT 4	LOT 3	LOT 2	LOT 1
			
17 OPERATOR CERTIFICATION			
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
Signature: <u>Kelly K Small</u>			
Printed Name: <u>Kelly K Small</u>			
Title: <u>Drilling Assistant</u>			
Date: <u>11/18/03</u>			
18 SURVEYOR CERTIFICATION			
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.			
Date of Survey: <u>10/18/03</u>			
Signature and Seal of Professional Surveyor: 			
Certificate Number: <u>14827</u>			

CHOKES 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



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.

