

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

☐ 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 Farmington, NM 87401		² OGRID Number 167067
⁴ Property Code 29675		³ API Number 30-0 45-32001
⁵ Property Name State Gas Com.		⁶ Well No. #3

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
P	32	31N	12W		675'	South	665'	East	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 Aztec Pictured Cliffs					¹⁰ Proposed Pool 2 Basin Fruitland Coal				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 5,955' Ground Level
¹⁶ Multiple Y	¹⁷ Proposed Depth 2,500'	¹⁸ Formation Pictured Cliffs	¹⁹ Contractor Stewart Bros Drllg	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
8-3/4"	7"	20.0#, J-55, STC	200'	75-90 sx	Surface
6-1/4"	4-1/2"	10.5#, J-55, STC	2,500'	225 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: 75-90 sx of Type III cement w/2% CC & 1/4#/sx cello (14.8 ppg, 1.39 cuft). Circ to surface.

Production: 150 sx Type III Premium Lite FM (65%/35%/6%) with 1/4#/sx cello & 2% CC (11.9 ppg & 2.34 cuft/sx) followed by 75 sx Type III w/2% CaCl & 1/4 #/sx cello (14.5 ppg & 1.41 cuft/sx.) Circ 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:

Jeffrey W. Patton

Printed name: Jeffrey W. Patton 11/14/03

Title: Drilling Engineer

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. NO

Approval Date: NOV 14 2003

Expiration Date: NOV 14 2004

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

¹ API Number 30-045-3-2001	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 29675	⁵ Property Name STATE GAS COM	⁶ Well Number 3
⁷ GRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5955

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
P	32	31-N	12-W		675	SOUTH	665	EAST	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 320	¹³ Joint or Infill S/2	¹⁴ Consolidation Code I	¹⁵ 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

16

FND 3 1/4" BC 1951 BLM		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>JW Patton</u> Printed Name <u>JEFFREY W PATTON</u> Title <u>DRILLING ENGINEER</u> Date <u>11-14-03</u>	
32		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. <u>8-7-03</u> Date of Survey Signature <u>DAVID A. JOHNSON</u> NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 14827 Certificate Number	
LAT: 36°51'02" N. (NAD 83) LONG: 108°06'55" W. (NAD 83) FND 3 1/4" BC 1951 BLM		N 00°36'44" E 5275.8' (M) 665' N 89°01'49" W 2622.8' (M) 675' CALC'D. CORNER	

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32001	² Pool Code 71280	³ Pool Name AZTEL PICTURED CLIFFS
⁴ Property Code 29675	⁵ Property Name STATE GAS COM	⁶ Well Number 3
⁷ OGRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5955

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
P	32	31-N	12-W		675	SOUTH	665	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

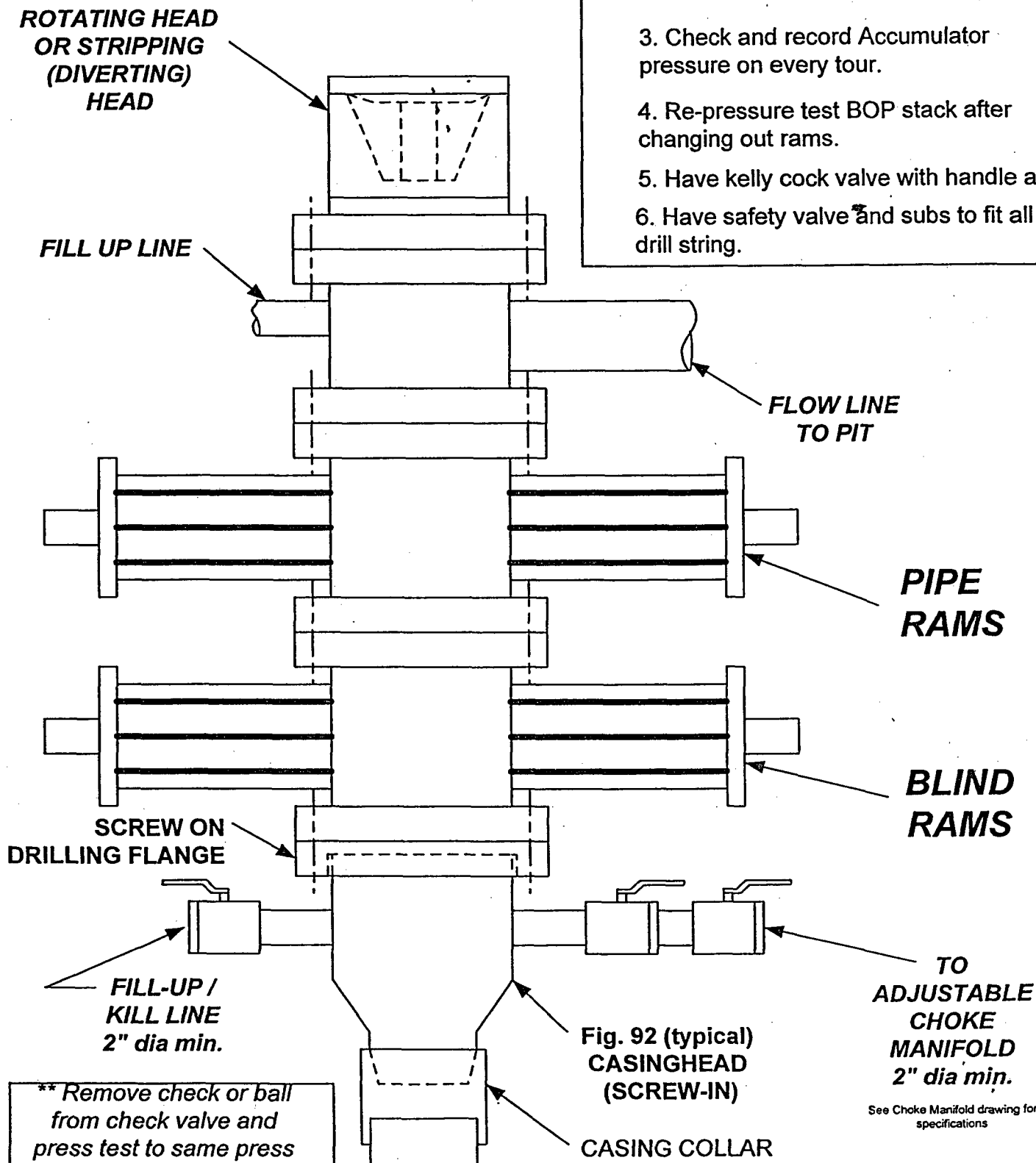
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160 SE/4		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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16

				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>Jeffrey W Patton</u>
				Printed Name	JEFFREY W PATTON
				Title	DRILLING ENGINEER
				Date	11-14-02
				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	8-7-03
				Signature of Registered Professional Surveyor	<u>David A. Johnson</u>
				Certificate Number	

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



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.

**TESTING
PROCEDURE**

See Choke Manifold drawing for
specifications