

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

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address XTO Energy Inc. 2700 Farington Ave. Ste 1 Bldg K Farmington, NM 87401		² GRID Number 167067
³ Property Code 22833	⁵ Property Name State "AX"	⁴ API Number 045-32606
⁹ Proposed Pool 1 Aztec Pictured Cliffs		¹⁰ Proposed Pool 2

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
J	32	29N	9W		1,910'	South	1,775'	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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 6,201'
¹⁶ Multiple No	¹⁷ Proposed Depth 2,800'	¹⁸ Formation Pictured Cliffs	¹⁹ Contractor Stewart Brothers	²⁰ Spud Date Fall 2004
Depth to Groundwater >100 feet		Distance from nearest fresh water well >1 mile		Distance from nearest surface water >2 miles
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 1,000_bbls Drilling Method: Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

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#/ft	225'	150 sx	Surface
7-7/8"	5-1/2"	15.5#	2,800'	325 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: 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.

²³ 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: 9/28/04

Phone: 505 - 324 - 1090

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

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State of New Mexico
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 30-045-32606		*Pool Code 71280	*Pool Name Aztec Pictured Cliffs
*Property Code 22833	*Property Name STATE AX		*Well Number 2
*GRID No. 167067	*Operator Name XTO ENERGY INC.		*Elevation 5201'

10 Surface Location

UA or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	32	29-N	9-W		1910	SOUTH	1775	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

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

*Dedicated Acres SE 1/4 160	*Joint or Int'l	*Consolidation Code	*Order No.
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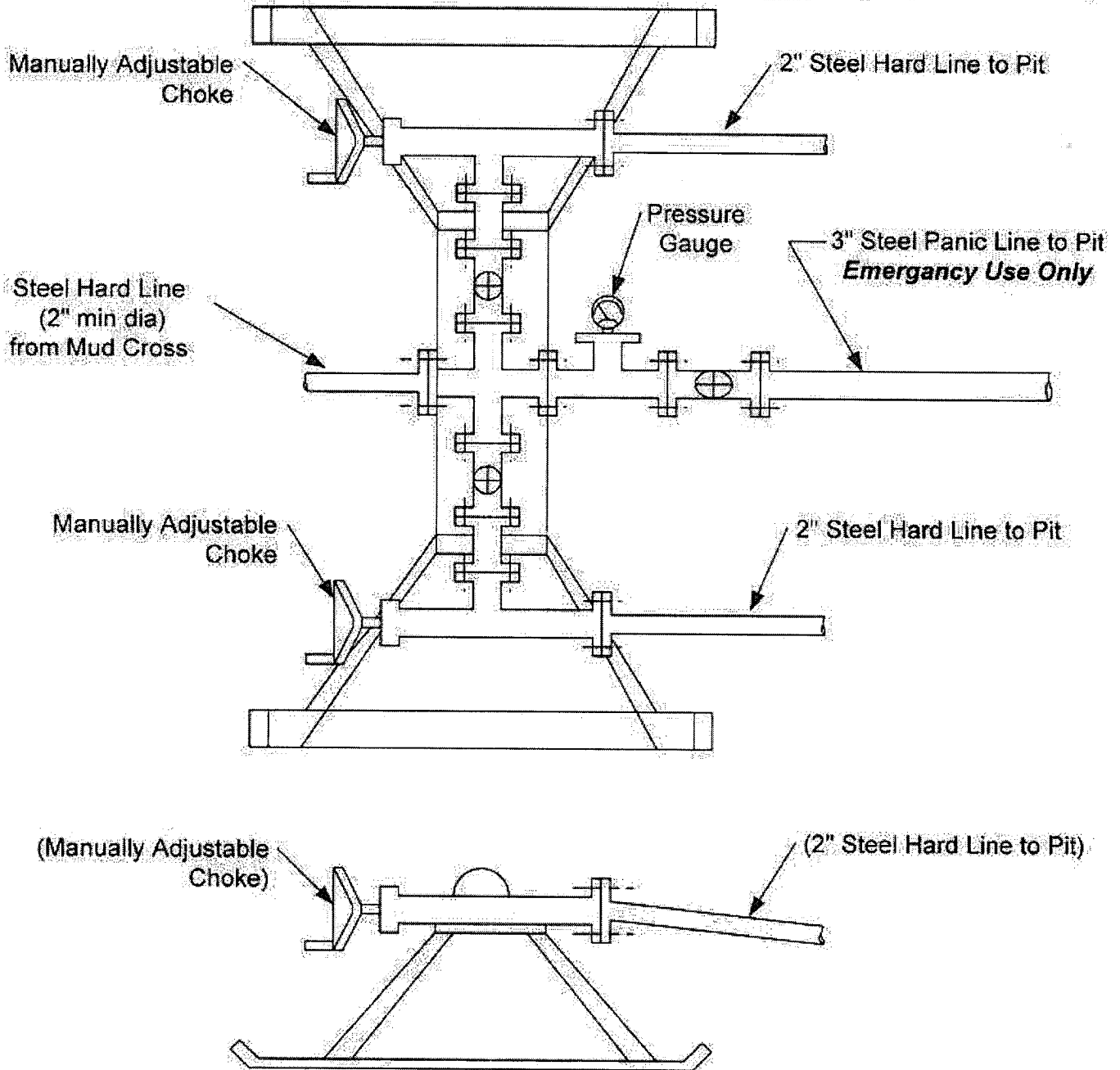
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div data-bbox="625 997 933 1270"></div> <div data-bbox="600 1270 941 1333">LAT: 36°40'38" N (NAD 27) LONG: 107°48'06" W (NAD 27)</div> <div data-bbox="893 1344 1023 1417">QTR. CORNER FD 3 1/4" BC BLM 1951</div> <div data-bbox="568 1396 609 1438">32</div> <div data-bbox="844 1501 917 1543">1775'</div> <div data-bbox="974 1564 1031 1732">N 02-33-15 E 2575.4' (C)</div> <div data-bbox="706 1648 738 1711">1910'</div> <div data-bbox="633 1806 779 1848">S 89-56-39 W 5185.40' (C)</div> <div data-bbox="860 1806 1031 1858">CALC. CORNER SINGLE PROPORTION</div> <div data-bbox="146 1795 292 1858">SEC. CORNER FD 2 1/2" BC U.S.G.L.O. 1916</div>	<div data-bbox="1055 976 1461 1018">17 OPERATOR CERTIFICATION</div> <div data-bbox="1055 1018 1429 1071">I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div data-bbox="1055 1197 1429 1428"><div>Signature: <i>David H. Small</i></div><div>Printed Name: David H. Small</div><div>Title: Drilling Assistant</div><div>Date: 9/27/04</div></div> <div data-bbox="1055 1438 1461 1480">18 SURVEYOR CERTIFICATION</div> <div data-bbox="1055 1480 1429 1554">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.</div> <div data-bbox="1055 1554 1380 1785"></div> <div data-bbox="1055 1785 1380 1848">Certificate Number: 14831</div>
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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



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.

