



PWVJ0421961159  
DHC-3320  
8/6/04

2700 Farmington Ave, K-1 Farmington, NM 87401  
Phone: (505) 324-1090 FAX: (505) 564-6700

July 30, 2004

Mr. Will Jones  
New Mexico Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RECEIVED

AUG 02 2004

OIL CONSERVATION  
DIVISION

Subject: Application for Downhole Commingle  
Schwerdtfeger A #24  
Unit E Sec 08-T27N- R08W; 30-045-32231  
Basin Dakota/Basin Mancos/Blanco Mesaverde  
NMSF079319; San Juan, NM

Dear Mr. Jones:

Enclosed please find an administrative application form (C107A) and attachments for downhole commingling for the captioned well. All interests are common in all zone's. Commingling of zones will not reduce the recovery of the three pools, will improve recovery of liquids, thus eliminating redundant surface equipment. Waste will not result and correlative rights will not be violated. Notice of our intent has been filed with the BLM on form 3160-5.

Any questions pertaining to this matter, please call me at (505) 324-1090.

Sincerely,



Holly C. Perkins  
Regulatory Compliance Tech

xc: Wellfile  
OCD, Aztec Office

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., 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-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-045-32231
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SCHWERDTFEGER
8. Well Number 24
9. OGRID Number 167067
10. Pool name or Wildcat BASIN DK/BLANCO MV/BASIN MC

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator XTO ENERGY INC.
3. Address of Operator 2700 FARMINGTON AVE, SUITE K-1, FARMINGTON, NM 87401
4. Well Location Unit Letter <u>E</u> : <u>2070</u> feet from the <u>NORTH</u> line and <u>1345</u> feet from the <u>WEST</u> line Section <u>08</u> Township <u>27N</u> Range <u>08W</u> NMPM <u>SAN JUAN</u> County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6196' GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_  
Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: DOWNHOLE COMMINGLE ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy Inc. is requesting an exception to Rule 303A to downhole commingle production from the Basin Dakota pool (71599), the Blanco Mesaverde (72319) and the Wildcat Basin Mancos pool (97232). See attachments for supporting documentation and plats for this well. Ownership is common in all zones. A sundry has been filed with the BLM.

Proposed Gas Allocation	Dakota – 39%	Mesaverde – 56%	Mancos – 05%
Proposed Oil Allocation	Dakota – 47%	Mesaverde – 34%	Mancos – 19%
Proposed Water Allocation	Dakota – 46%	Mesaverde – 44%	Mancos – 10%

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Holly C. Perkins TITLE REGULATORY COMPLIANCE TECH DATE 7/30/04

Type or print name HOLLY C. PERKINS E-mail address: holly\_perkins@xtoenergy.com Telephone No. 505-324-1090  
**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
Conditions of Approval (if any): \_\_\_\_\_

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
Well  
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 Department

Form C-107A  
Revised June 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.

APPLICATION TYPE  
 X  Single

Santa Fe, New Mexico 87505

Establish Pre-Approved Pools  
EXISTING WELLBORE  
 X  Yes   No

APPLICATION FOR DOWNHOLE COMMINGLING

XTO ENERGY INC. 2700 FARMINGTON AVE, SUITE K-1 FARMINGTON, NM 87401  
Operator Address  
SCHWERDTFEGER A 24 UL E, SEC 08, T27N, R08W SAN JUAN  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 167067 Property Code   API No. 30-045-32231 Lease Type:  X  Federal   State   Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	WILDCAT BASIN MANCOS	BLANCO MESAVERDE	BASIN DAKOTA
Pool Code	97232	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6320' – 6768'	5188' – 5359'	7285' – 7407'
Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	PRODUCING
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date:  Rates:	Date:  Rates:	Date:  Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Water 19% 05% 10%	Oil Gas Water 34% 56% 44%	Oil Gas Water 47% 39% 46%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  X  No    
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes   No    
Are all produced fluids from all commingled zones compatible with each other? Yes  X  No    
Will commingling decrease the value of production? Yes   No  X   
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes   No    
NMOCD Reference Case No. applicable to this well:

Attachments:  
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.  
Production curve for each zone for at least one year. (If not available, attach explanation.)  
For zones with no production history, estimated production rates and supporting data.  
Data to support allocation method or formula.  
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.  
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools  
List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

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

SIGNATURE Holly C. Perkins TITLE REGULATORY COMPLIANCE TECH DATE 7/30/04  
TYPE OR PRINT NAME HOLLY C. PERKINS TELEPHONE NO. (505) 564-6720  
E-MAIL ADDRESS holly\_perkins@xtoenergy.com

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

DISTRICT II  
P.O. Drawer 00, 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	<sup>2</sup> Pool Code 71599	<sup>3</sup> Pool Name Basin Dakota
<sup>4</sup> Property Code	<sup>5</sup> Property Name SCHWERTFEGER A	<sup>6</sup> Well Number 24
<sup>7</sup> GRID No. 167067	<sup>8</sup> Operator Name XTO ENERGY INC.	<sup>9</sup> Elevation 6196

<sup>10</sup> Surface Location

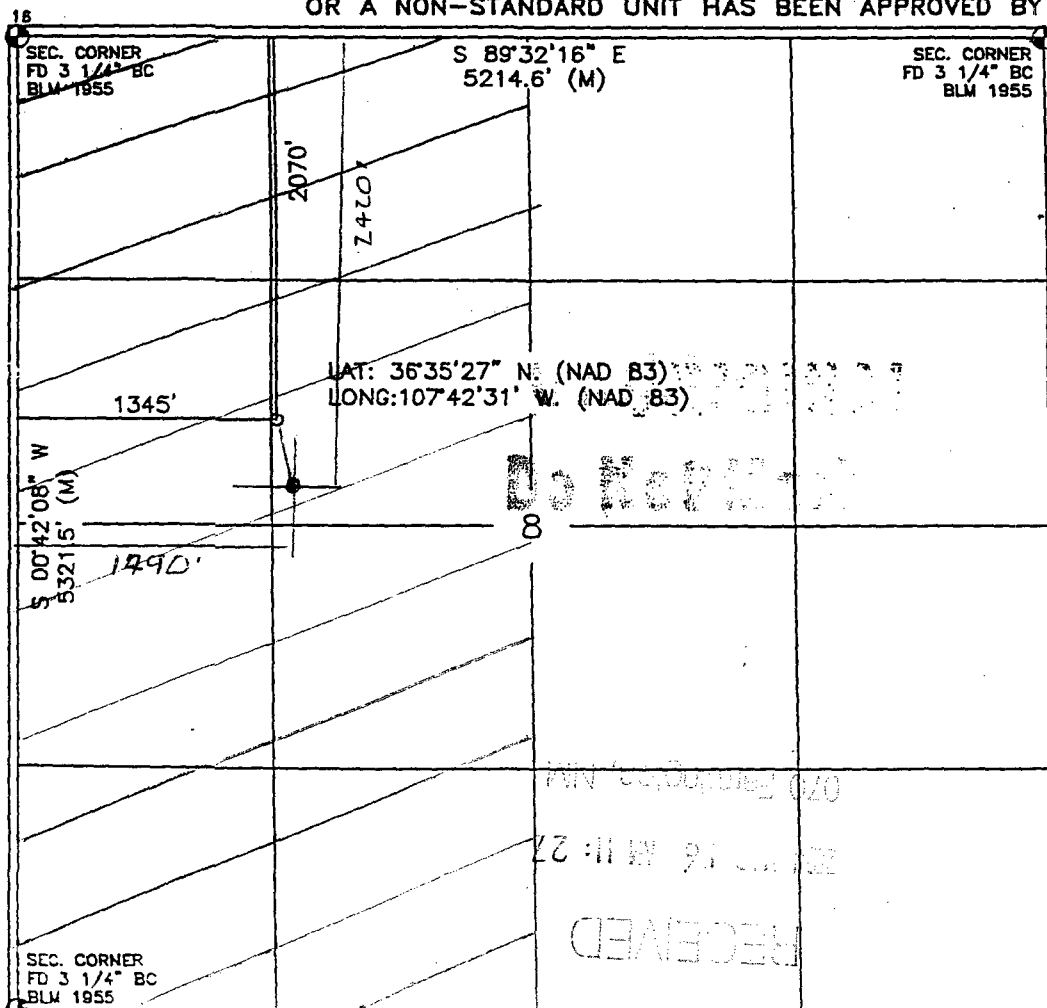
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	8	27-N	8-W		2070	NORTH	1345	WEST	SAN JUAN

<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
F	8	27 N	8 W		2420	NORTH	1490	WEST	SAN JUAN

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill W12 I	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature: Kelly H Small  
Printed Name: Kelly H Small  
Title: Drilling Assistant  
Date: 2/1/03

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: 4-11-03  
Signature and Seal of Professional Surveyor: DAVID A. JOHNSON  
14827  
REGISTERED PROFESSIONAL SURVEYOR  
Certificate Number

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	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesquero
<sup>4</sup> Property Code	<sup>5</sup> Property Name SCHWERTFEGER A	<sup>6</sup> Well Number 24
<sup>7</sup> GRID No. 1670107	<sup>8</sup> Operator Name XTO ENERGY INC.	<sup>9</sup> Elevation 6196

<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
F	8	27-N	8-W		2070	NORTH	1345	WEST	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
F	8	27N	8W		2420'	NORTH	1490'	WEST	SAN JUAN

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill W12 I	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> <p>SEC. CORNER FD 3 1/4" BC BLM 1955</p> <p>S 89°32'16" E 5214.6' (M)</p> <p>2070'</p> <p>2420'</p> <p>1345'</p> <p>S 00°42'08" W 5321.5' (M)</p> <p>1490'</p> <p>LAT: 36°35'27" N. (NAD 83) LONG: 107°42'31" W. (NAD 83)</p> <p>8</p> <p>SEC. CORNER FD 3 1/4" BC BLM 1955</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><u>Keely H Small</u> Signature</p> <p><u>Keely H Small</u> Printed Name</p> <p><u>Drilling Assistant</u> Title</p> <p><u>8/1/03</u> 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><u>4-11-03</u> Date of Survey</p> <p><u>DAVID A. JOHNSON</u> Signature and Seal of Professional Surveyor</p> <p>REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO 14827</p> <p>Certificate Number</p>