

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO. <b>30-045-08099</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name:  Bergin Gas Com
8. Well No. <b>1</b>
9. Pool name or Wildcat Otero Chacra / Basin Dakota

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 ☐ Gas Well ☒ Other

2. Name of Operator

**XTO Energy, Inc.**

3. Address of Operator

**2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401**

4. Well Location

Unit Letter **B** : **1,010'** feet from the **North** line and **1,820'** feet from the **East** line

Section **21** Township **29N** Range **11W** NMPM County **San Juan**

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**5,475' GL**

11. 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 COMPLETION ☐

OTHER: Downhole commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. 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 recompilation.

XTO Energy, Inc requests an exception to Rule 303A to downhole commingle production from the Basin Dakota Pool (71599) and the Otero Chacra Pool (82329). Both of this pools are included in Division Order R-11363 establishing pre-approved pool combinations for downhole commingling in the San Juan Basin. Attachments 1 and 2 summarize the conditions and information required per Rules 303C(1) and 303C(3) (b).

Proposed Gas Allocation: Dakota - 32% & Chacra - 68%

Proposed Oil Allocation: Dakota - 100% & Chacra - 0%

Proposed Wtr Allocation: Dakota - 5% & Chacra - 95%

*OHG 828A2*

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

SIGNATURE

*Ray Martin*

TITLE **Operations Engineer**

DATE **06/13/02**

Type or print name **Ray Martin**

Telephone No. **(505) 324-1090**

(This space for State use)

Original Signed by **STEVEN N. HAYDEN**

DEPUTY AS & GAS INSPECTOR

APPROVED BY

TITLE

DATE

Conditions of approval, if any:

**JUN 18 2002**

Attachment 1  
Bergin Gas Com #1  
Sec 21B, T29W, R11W  
API #30-045-08099  
C-103 NOI Sundry to DHC  
06/13/02

Additional information per Rule 303C(3)(b):

- (i) Division Order R-11363 established pre-approved pool combinations for downhole commingling.
- (ii) Basin Dakota Pool (71599)  
Otero Chacra Pool (82329)
- (iii) Otero Chacra perforations: 2,666'-2,785'  
Basin Dakota perforations: 6,090'-6,176'
- (iv) The proposed production allocation formula is based on a ratio of the two Pools prod rates.

Proposed Allocation Formula:

	OIL	WATER	GAS
Basin Dakota	100%	5%	32%
Otero Chacra	0%	95%	68%

Basin Dakota Pool (ave. last 7 months liquid prod & gas sales prior to recompletion to CH.)

BOPD	BWPD	MCFD
0.4	0.1	75

Otero Chacra Pool (recent stabilized liquid prod & gas sales after recompletion)

BOPD	BWPD	MCFD
0	2	160

- (v) Downhole commingling will not reduce the value of the total remaining production. Increased ultimate recovery is expected due to a lower economic production limit for each pool resulting lower operating cost per zone due to the combined production. Also, the reserves will be recovered in less time by downhole commingling.
- (vi) XTO Energy, Inc sent notice of intent to downhole commingle to all working and royalty interest owners by certified mail (return receipt) on 3/6/02. No objections have been received.
- (vii) This well is not in a spacing unit that contains Federal or State lands or minerals. Thus, no notice to BLM or State Lands is required.

Attachment 2  
Bergin Gas Com #1  
Sec 21B, T29W, R11W  
API #30-045-08099  
C-103 NOI Sundry to DHC  
06/13/02

Required conditions per Rule 303C(1):

- (a) The fluids from both pools are compatible. These pools have been commingled together in other wells without fluid compatibility or formation damage problems and the two pools have been pre-approved for downhole commingling..
- (b) No secondary recovery operations are planned for this well.
- (c) Using the NMOCD fracture parting pressure gradient of 0.65 psig per foot of depth, the calculated bottomhole pressure to frac the Chacra is 1,732 psig and to frac the Dakota is 3,859 psig. Neither zone's current bottom hole pressures exceed the frac parting pressure of either zone.
- (d) The well will be produced until both zones are at economic depletion, thus no permanent loss of reserves will occur due to cross-flow in the wellbore.
- (e) Neither zone is sensitive to produced fluids from the other zone. These pools are commonly downhole commingled.
- (f) XTO Energy, Inc will maintain the prorated production below top allowable or other rate restriction set by the NMOCD for each Pool.
- (g) Downhole commingling will not reduce the value of the total remaining production. Increased ultimate recovery is expected due to a lower economic production limit for each pool resulting lower operating cost per zone due to the combined production. Also, the reserves will be recovered in less time by downhole commingling.
- (h) Correlative rights will not be violated by downhole commingling these zones. The only open zones will be the Dakota and Chacra. The production will be allocated between the Dakota and Chacra per the allocation formula on Attachment #1.