

10-20-04 DATE IN	SUSPENSE	STOGNER ENGINEER	10-20-04 LOGGED IN	NSL TYPE	DCM0429447573 APP NO.
---------------------	----------	---------------------	-----------------------	-------------	--------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



RECEIVED

OCT 20 2004

OIL CONSERVATION
DIVISION

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

*100% OWNERSHIP
NO PARTY TO NOTIFY.*

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

GEORGE A. COX
 Print or Type Name

George A. Cox
 Signature

Landman
 Title

10-19-04
 Date

GEORGE.A.COX@XTOENERGY.COM.
 e-mail Address



October 19, 2004

CERTIFIED MAIL:

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

RE: Application for Administrative Approval of Unorthodox Location
XTO Energy Inc.'s Bolack "C" 23
2,245' FNL and 665' FEL (SE/4 NE/4)
Unit H, Section 29, T27N-R8W
San Juan County, New Mexico
Otero Chacra Formation

Dear Mr. Stogner:

XTO Energy Inc. hereby requests administrative approval for an unorthodox location for the above referenced well. Attached for your reference are the following exhibits:

1. Well location plat (NMOCD Form C-102)
2. Topographic map
3. Ownership map
4. Production map of Mesaverde and Chacra

The above captioned well is proposed as a Mesaverde and Chacra well with the Mesaverde being spaced as a E/2 320 acre unit and the Chacra as a 160 acre NE/4 unit. The primary formation for this well is the Mesaverde formation. XTO Energy Inc. attempted to stake the well at 2,150' FNL and 750' FEL, but the well was moved to 2,245' FNL and 665' FEL due to topography problems.


XTO Energy Inc. believes that it would not be conducive to complete the Chacra in the existing well located in the quarter section based on the current wellbore conditions in the Bolack C #12 well in this section. The Bolack C #12 was completed as a Mesaverde and Pictured Cliffs producer in 1958. The cement on the intermediate string did not circulate to the surface. Based on a temperature survey, the top of the cement was estimated to be at 2,600'. The casing had to be squeezed cemented to get adequate cement across the Pictured Cliffs formation. The top of the productive Chacra is at approximately 3,230'. The estimated top of the cement, not being the top of the good

cement, was at 2,600'. Due to this situation there is a risk of stimulating out of the Chacra. If the cement was adequate, the Chacra would still have to be completed using a packer and bridge plug. Greater risks are involved using this process in an older vintage well, i.e. collapsed casing or sticking the work string in the hole and losing Mesaverde production.

As indicated on the ownership map, there are no offset operators to notify nor or there any other working interest owners to notify. XTO Energy Inc. owns 100% interest in this unit and the surrounding.

XTO Energy Inc. requests your Administration Approval for the unorthodox location based on the above information. Should you need any additional information please feel free to contact me at (817) 885-2454.

Sincerely,
XTO ENERGY INC.



George A. Cox, CPL
Landman

Enclosures

cc: Del Craddock
Jeff Patton
Barry Voigt

DISTRICT I
1825 N. Fench Dr., Hobbs, N.M. 88340

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87504-2088

Form C-102
Revised June 10, 2003
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	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name BOLACK C	⁶ Well Number 23
⁷ OGRID No.	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6343

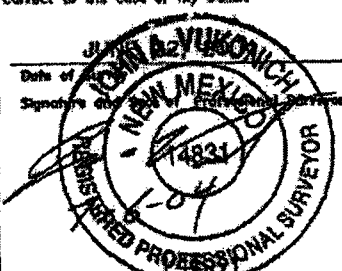
¹⁰ Surface Location

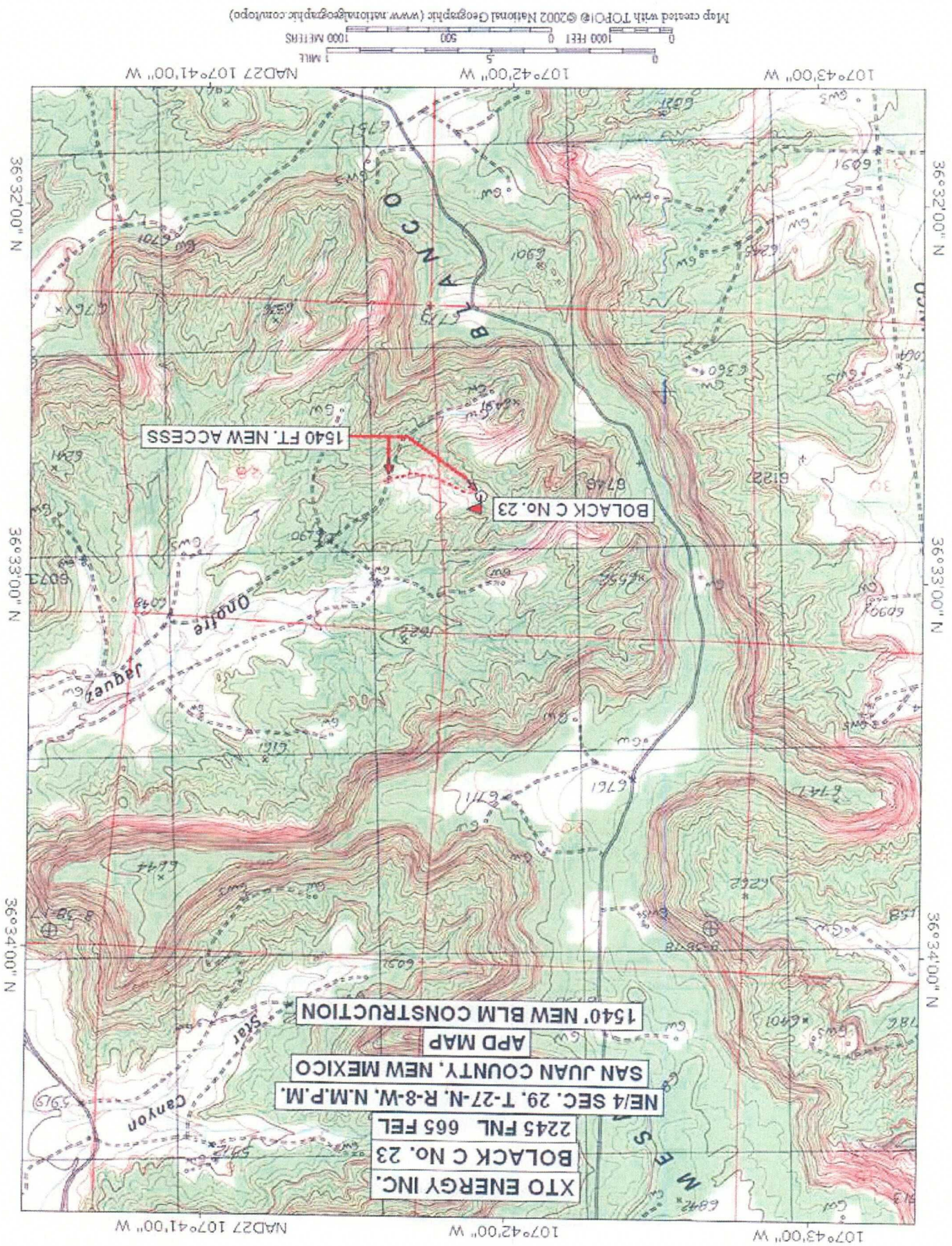
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	27-N	8-W		2245	NORTH	665	EAST	SAN JUAN

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		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

16 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

QTR. CORNER FD 3 1/4" BC BLM 1955		N 89-20-49 W 2454.2' (M)		SEC. CORNER FD 3 1/4" BC BLM 1955		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____	
		2245'		S 03°06'08" E 2670.3' (M)			
		LAT: 36°32'47" N. (NAD 27) LONG: 107°41'54" W. (NAD 27)		665'			
29				QTR. CORNER FD 3 1/4" BC BLM 1955		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 _____ Signature of Surveyor _____  Certificate Number _____	



Map created with TOPOI © 2002 National Geographic (www.nationalgeographic.com/topo)



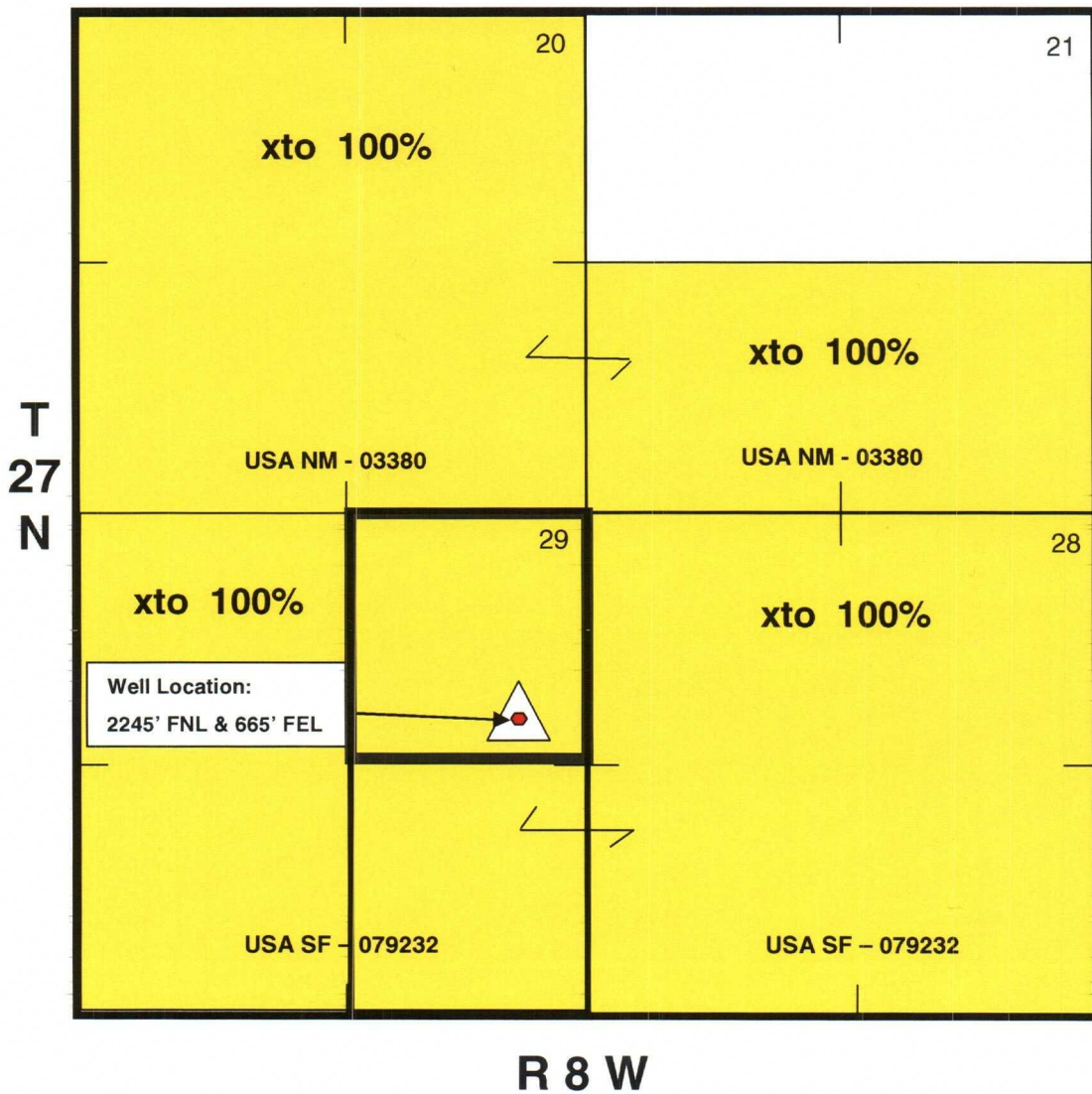
STATE: New Mexico COUNTY: San Juan

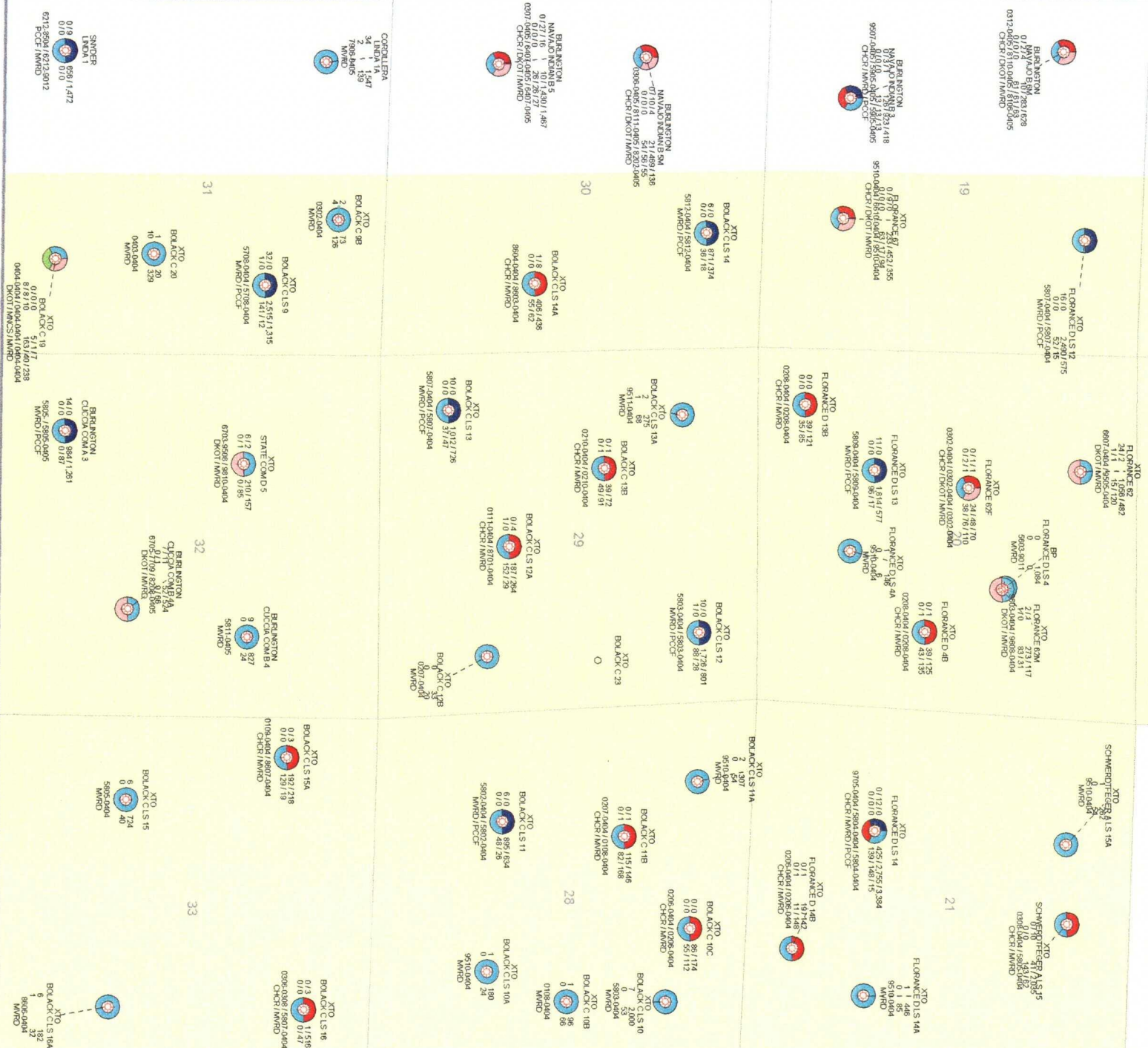
PROSPECT: Ownership in Chacra Formation DATE: October 18, 2004

SECTION: 29 TOWNSHIP: 27 North RANGE: 8 West

Bolack C #23 NE/4 (Chacra/Mesaverde)

SCALE: 1"=2000'





XTO ENERGY INC.

SEC 29 T27N R08W

SAN JUAN BASIN

CUM PROD @ 4/2000

Ratio Scale = 1 : 24,000

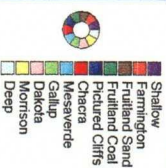
A horizontal scale bar with a black outline. The left end is labeled '0' and the right end is labeled '2,000'. Below the bar, the word 'FEET' is written in a bold, sans-serif font.

POSTED WELL DATA

Operators
West Lister

PdCum - CUMOL PdCum - CUMGAS
PdCum - OILRATE PdCum - GASRATE
PdCum - FROM DATE-TO DATE
PdCum - PAYDATE

ATTRIBUTE MAP



WELL SYMBOLS

Location

REMARKS

By: Jane Foster

October 18, 2004



October 19, 2004

CERTIFIED MAIL:

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

RE: Application for Administrative Approval of Unorthodox Location
XTO Energy Inc.'s Bolack "C" 23
2,245' FNL and 665' FEL (SE/4 NE/4)
Unit H, Section 29, T27N-R8W
San Juan County, New Mexico
Otero Chacra Formation

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3. Ownership map
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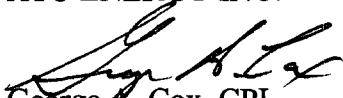
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Sincerely,
XTO ENERGY INC.



George A. Cox, CPL

Landman

Enclosures

cc: Del Craddock
Jeff Patton
Barry Voigt

DISTRICT I
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DISTRICT II
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DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87504-2088

Form C-102
Revised June 10, 2003
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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name BOLACK C			6 Well Number 23
7 GRID No.		8 Operator Name XTO ENERGY INC.			9 Elevation 6343

10 Surface Location

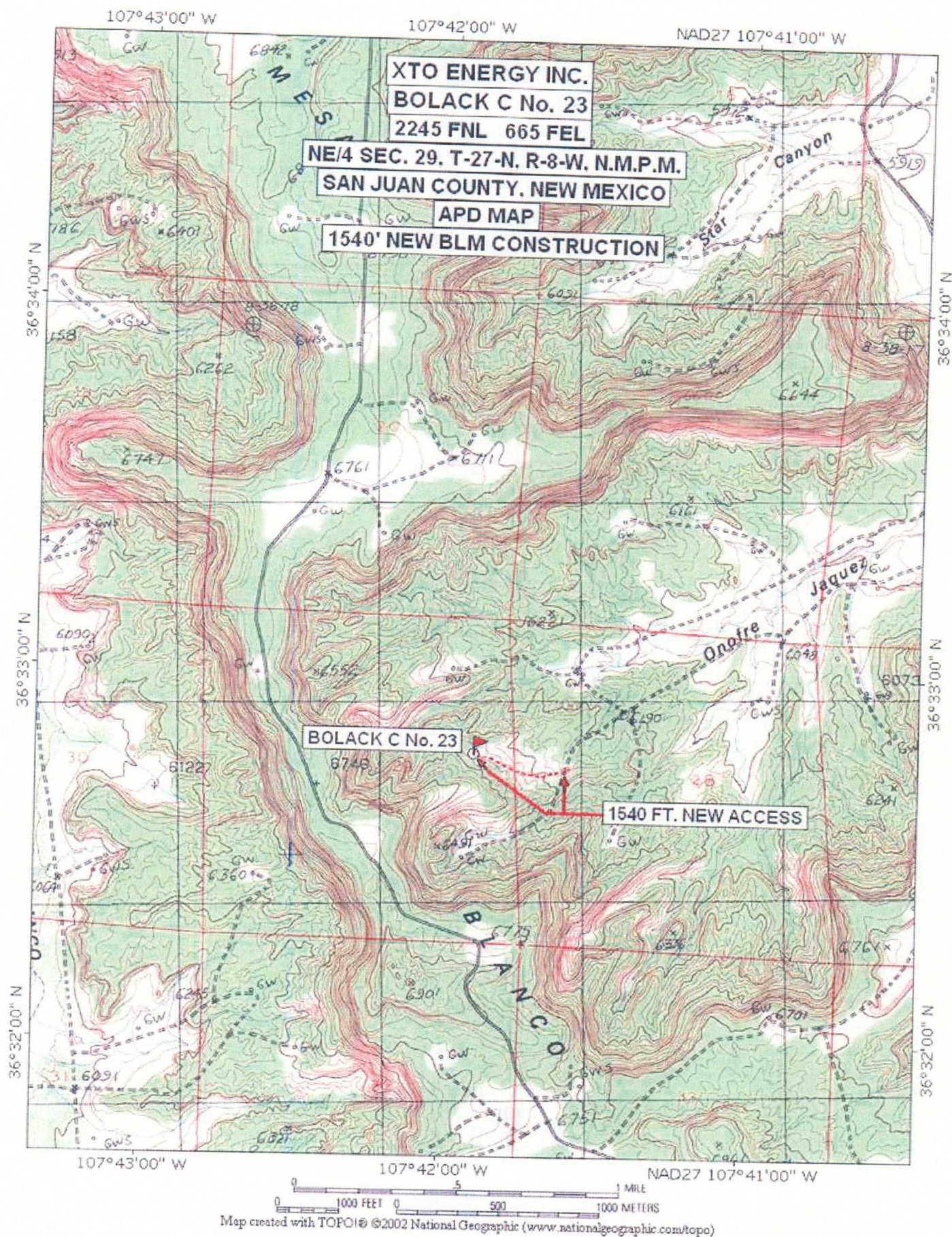
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	27-N	B-W		2245	NORTH	665	EAST	SAN JUAN

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					13 Joint or Infill		14 Consolidation Code		15 Order No.

16 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

QTR. CORNER FD 3 1/4" BC BLM 1955		N 89-20-49 W 2454.2' (M)		SEC. CORNER FD 3 1/4" BC BLM 1955		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____	
		2245'		S 03°08'08" E 2670.3' (M)			
		LAT: 36°32'47" N. (NAD 27) LONG: 107°41'54" W. (NAD 27)		665'			
29				QTR. CORNER FD 3 1/4" BC BLM 1955		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 _____ Signature of Surveyor _____ Professional Surveyor Certificate Number _____	





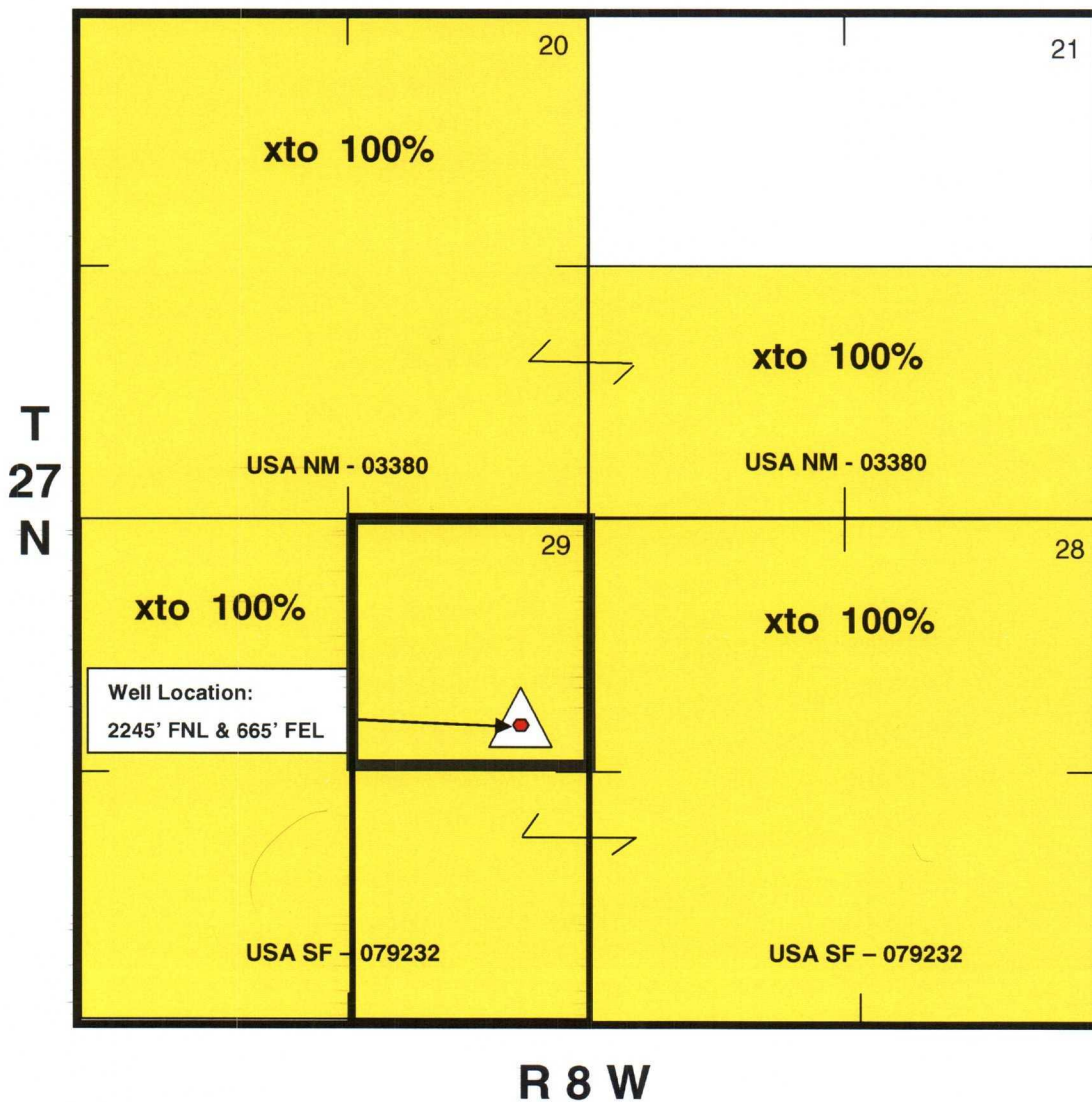
STATE: New Mexico COUNTY: San Juan

PROSPECT: Ownership in Chacra Formation DATE: October 18, 2004

SECTION: 29 TOWNSHIP: 27 North RANGE: 8 West

Bolack C #23 NE/4 (Chacra/Mesaverde)

SCALE: 1'=2000'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.
NMSF-0 079232

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
N/A

8. Lease Name and Well No.
Bolack C 23

9. API Well No.
30-045-32553

10. Field and Pool, or Exploratory
Otero Chacra & Blanco Mesa Verde

11. Sec., T., R., M., or Blk. and Survey or Area
H 29-27n-8w NMPM

12. County or Parish
San Juan ✓

13. State
NM

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
XTO Energy Inc.

3a. Address **2700 Farmington Ave., Bldg K-1
Farmington, NM 87401**

3b. Phone No. (include area code)
(505) 324-1090

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface **2245' FSL & 665' FEL**

At proposed prod. zone **Same N**

14. Distance in miles and direction from nearest town or post office*
8 air miles SE of Bloomfield

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) **2,245'**

16. No. of Acres in lease
2,552.22

17. Spacing Unit dedicated to this well
**Chacra = NE4 (160 acres)
Mesa Verde = E2 (320 acres)**

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. **1,461'***

19. Proposed Depth
5,200'

20. BLM/BIA Bond No. on file
BLM nation wide: 57 91 73

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6,343' ungraded

22. Approximate date work will start*
Upon Approval

23. Estimated duration
5 weeks

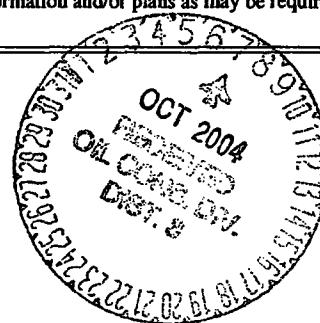
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

Comments

***to XTO's BOLACK'S C LS 12, a PC & Mesa Verde gas well
APD/ROW (GulfTerra)**



cc: BLM (& OCD), Patton

25. Signature Name (Printed/Typed) **Brian Wood** Date **8-24-04**
Title **Consultant** Phone: 505 466-8120 FAX: 505 466-9682

Approved by (Signature) Name (Printed/Typed) **Wayne Townsend** Date **10/9/04**
Title **Acting AFM** Office **FFO**

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

This action is subject to procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DRILLING OPERATIONS AUTHORIZED AND
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

DISTRICT I
1825 N. Fench Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87504-2088

Form C-102
Revised June 10, 2003
Instructions on back
Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED

AUG 25 2004

Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-32-553		Pool Code 82329 & 72139	Pool Name OTERO CHACRA & BLANCO MESA VERDE
Property Code 28096	Property Name BOLACK G		Well Number 23
GRID No. 167067	Operator Name XTO ENERGY INC.		Elevation 6343

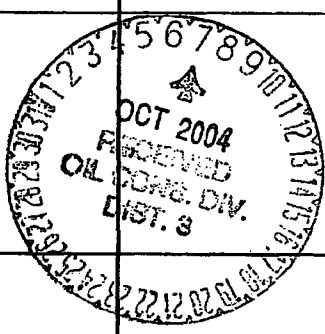
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	27-N	8-W		2245	NORTH	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
Dedicated Acres 160 (CH) & 320 (MV)					Joint or Infill		Consolidation Code		Order No.

16 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

	QTR. CORNER FD 3 1/4" BC BLM 1955	N 89-20-49 W 2454.2' (M)	SEC. CORNER FD 3 1/4" BC BLM 1955	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature: <i>Brian Wood</i> Printed Name: BRIAN WOOD Title: CONSULTANT Date: AUG. 24, 2004
	CHACRA	2245'	S 03°08'08" E 2670.3' (M)	665'
		LAT: 36°32'47" N. (NAD 27) LONG: 107°41'54" W. (NAD 27)		
	29 MESA VERDE	QTR. CORNER FD 3 1/4" BC BLM 1955		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: <i>10/24/04</i> Signature of Surveyor: <i>John A. YUKONICH</i> Professional Surveyor Certificate Number: <i>14831</i>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

2700 Farmington Ave., Bldg. K, Ste 1 Farmington,

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Location: 2245' FNL x 665' FEL in Sec 29, T27N, R08W

5. Lease Serial No.

NMSF - 079232

6. Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Bolack "C" #23

9. API Well No.

30-045-32553

10. Field and Pool, or Exploratory Area

Blanco Mesaverte / Otero Chacra

11. County or Parish, State

San Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Chng Casing

Program

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc request approval to change the proposed casing design for the above mentioned well as follows:

Long String: 5-1/2", 15.5#, J-55, STC casing set @ 5,200' in 7-7/8" hole. Set DV Tool @ 3,500'. Cement first stage with w/200 sx Premium Lite Cement w/dispersant, fluid loss & LCM (mixed @ 12.5 ppg & 2.01 cuft/sx). TOC should be at or above the DV Tool.

Cement Second Stage with 225 sx Type III w/gal & LCM (mixed at 11.4 ppg, 3.03 cuft/sx) followed by 100 sx Premium Lite HS cement w/dispersant, FL & LCM (mixed at 12.5 ppg & 2.01 cuft/sx). Circ cnt to surf.'

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jeffrey W. Patton

Title

Drilling Engineer

Date

10-12-04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng.

Date

10/19/04

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.