

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**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 page 2**

**RECEIVED**

**APR 08 2010**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**XTO ENERGY INC.**

**Bureau of Land Management  
Farmington Field Office**

3a. Address  
**382 CR 3100 AZTEC, NM 87410**

3b. Phone No. (include area code)  
**505-333-3100**

4. Location of Well (Footage, Sec, T, R, M, or Survey Description)  
**1565' FSL & 1025' FEL NESE SEC 33 (I) -27N-8W**

5. Lease Serial No.

**NMSF-079232**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

**BOLACK C #16A**

9. API Well No

**30-045-26662**

10. Field and Pool, or Exploratory Area

**BLANCO MESAVERDE**

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**

**TYPE OF ACTION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

☐ 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

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 recompleate 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 recompletion 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.)

*160 SE/4*

XTO Energy Inc. proposes to recompleate to the Otero Chacra formation of this well. Please see the attached procedure and C-102 CH Plat.

**RCVD APR 20 '10**

**OIL CONS. DIV.**

**DIST. 3**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

**BARBARA A. NICOL**

Title **REGULATORY COMPLIANCE TECH**

Signature

*Barbara A. Nicol*

Date **04/06/2010**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by **Troy L. Salyers**

Title **Petroleum Engineer**

Date **4/13/2010**

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 these rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office  
**FFO**

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.

**NMOCD** *4/23*

**BOLACK C LS #16A  
OAP CHACRA  
SEC 33, T27N, R8W  
SAN JUAN CO., NM**

GFS \_\_\_\_\_  
TJF \_\_\_\_\_

**SURF CSG:** 9-5/8", 36#, K-55 CSG @ 318'. CMT'D W/220 SX CMT. CIRC CMT TO SURF.

**INT CSG:** 7", 23#, K-55 CSG @ 3,350'. CMT'D W/490 SX CMT. TAILED IN W/100 SX CMT. CIRC CMT TO SURF. CAPACITY = 0.0393 BPF OR 1.6535 GPF.  
VOLUME OF 7" TO TOP OF LINER = 125.3 BBLS OR 5,271 GALS.  
**BURST = 4,360 PSIG (TREATING @ 80% = 3,488 PSIG).**

**PROD LNR:** 4-1/2", 10.5#, K-55 CSG FROM 3,188' - 5,676'. CMT'D W/170 SX CMT. TAILED IN W/150 SX CMT. CIRC 26 BBLS CMT TO SURF. PBT'D @ 5,600'.  
CAPACITY = 0.0159 BPF OR 0.6699 GPF.  
**BURST = 4,790 PSIG (TREATING @ 80% = 3,832 PSIG).**

**TUBING:** NC, SN, & 173 JTS 2-3/8" TBG. SN @ 5,366'. EOT @ 5,367'.

**EXISTING PERFS:** MESAVERDE: 5,212' - 5,529' (80 HOLES) ✓

**FORMATION:** CHACRA (WELL # 97091, AFE # 1001943) ✓

**CORRELATE ALL DEPTHS TO GEARHART DUAL LATEROLOG DATED 1/25/1986**

**Completion Procedure**

1. Acquire Revenue Decks for Chacra. Verify DHC approval before continuing.
2. Set 3 - 400 bbl frac tanks & 1 flowback tank. Fill frac tanks w/2% KCl water (or clay-stabilizer substitute). **NOTE:** Have frac co. test water for compatibility prior to frac & add biocide. Heat water in the frac tanks so that water temperature @ frac time is  $\pm 80^{\circ}$  F. Hot oil truck must be clean to avoid contaminating the frac water.
3. MIRU PU. Recover plunger from wellbore. ND WH. NU BOP.
4. TOH & LD tubing. ND BOP. NU frac valve.
5. MIRU WLU and mast truck. RU full lubricator. Run gauge ring to 5,000'. RIH with a 4-1/2" CBP. Set CBP at 5,000' (ensure plug is not set in collar). Load hole w/2% KCl & PT csg & plug to 3,000 psig for 5". Report PT results to Geoffrey Steiner.
6. Run GR/CCL/CBL from 5,000' to surface. Correlate depths to Gearhart Dual Laterolog dated 1/25/1986. Ensure good cement above and below proposed perfs. ✓ Report CBL results to Geoffrey Steiner before continuing. RDMO PU.

7. Perf Chacra w/3-1/8" csg gun loaded Owen HSC-3125-302 charges or equivalent performance charges (1 spf, 10 gm, 0.34" EHD, 21.42" pene, 120° phasing, ttl 24 holes).

Chacra Perforations
3,910' – 3,922'
4,038' – 4,048'

8. MIRU N<sub>2</sub> frac and acid equipment. BD perfs. EIR w/2% KCl wtr. Max press 3,000 psig. Switch to acid. Acidize Chacra perfs fr/3,910' – 4,048' w/1,000 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 36 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/5,973 gals 2% KCl wtr or until ball off. Pump flush @ ±12 BPM. Record ISIP, 5". Surge off balls.
9. Frac Chacra perfs fr/3,910' – 4,048' down 4-1/2" / 7" csg with 44,833 gals 70Q, N<sub>2</sub> foamed, 12# XL gelled Delta 140 frac fluid carrying 85,000# sand (67,000# 20/40 BASF sand and 18,000# 20/40 Super LC resin coated sand). Pmp frac @ 35 BPM. Do not exceed 3,000 psig. After seeing a 1 pound drop on the blender densitometer, **switch to tub bypass**. Flush w/5,629 gals 55Q linear gel (3 bbls short of top perf). Record ISIP & 5" SIP's. Frac schedule:

Chacra Schedule					
Stage	Fluid	Total Slurry vol	Clean vol	Stage Proppant	Cum Proppant
Pad	12# 70Q XL N <sub>2</sub>	7,000 gal	2,100 gal	-	-
1 ppg	12# 70Q XL N <sub>2</sub>	8,000 gal	2,400 gal	8,000# 20/40 BASF	8,000#
2 ppg	12# 70Q XL N <sub>2</sub>	12,500 gal	3,750 gal	25,000# 20/40 BASF	33,000#
3 ppg	12# 70Q XL N <sub>2</sub>	11,333 gal	3,400 gal	34,000# 20/40 BASF	67,000#
3 ppg	12# 70Q XL N <sub>2</sub>	6,000 gal	1,800 gal	18,000# 20/40 Super LC	85,000#
Flush	55Q Linear Gel	5,629 gal	2,533 gal	-	85,000#
<b>Total</b>		<b>67,000# 20/40 BASF</b>		<b>18,000# 20/40 Super LC</b>	

10. SWI for 4 hours. RDMO N<sub>2</sub> frac and acid equipment. Flow back well through a choke manifold to flowback tank. Start with 8/64" choke. Increase choke size as appropriate.
11. Flow test min 3 hours on fixed choke for IP test. Record liquid volumes, FCP, & choke size. SWI. Report rates and pressures to Geoffrey Steiner. RD flowback manifold.
12. MIRU PU.
13. ND frac valve. NU BOP.
14. MIRU AFU.
15. TIH w/3-7/8" bit, SN, & 2-3/8" tubing.
16. CO frac sand fill to CBP @ 5,000'. DO CBP @ 5,000'.
17. CO to 5,600' (PBTD). Circ clean.
18. TOH & LD excess tubing & bit.

19. TIF w/NC, SN, & 2-3/8" tubing. Land EOT @ 5,250'.
20. ND BOP. NU WH.
21. RU to flow test tank.
22. Swab well until well kicks off.
23. RDMO PU. RDMO AFU.
24. Schedule 1<sup>st</sup> delivery.
25. Report rates and pressures to Geoffrey Steiner.

#### **Regulatory Requirements**

##### Recompletion

NOI	_____
C-144	_____
Completion Reports	_____
Request for Allowable	_____

##### DHC

Allocations	_____
Owner notification	_____
DHC order	_____

#### **Services**

##### AFU

WL truck & mast truck to log, perf, & set plugs

Acid & frac equip

#### **Equipment List**

- 3 – 400 bbl frac tnks
- 1 flowback tnk
- 1 – 4-1/2" frac plug
- 1 – 3-7/8" bit

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
811 South First, 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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
Fee Lease - 3 Copies  
State Lease - 4 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-045-26662		<sup>2</sup> Pool Code 82329	<sup>3</sup> Pool Name OTERO CHACRA
<sup>4</sup> Property Code 022596	<sup>5</sup> Property Name BOLACK C		<sup>6</sup> Well Number 16A
<sup>7</sup> OGRID No. 5380	<sup>8</sup> Operator Name XTO Energy, Inc.		<sup>9</sup> Elevation 6963

<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
I	33	27-N	8-W		1565'	SOUTH	1025'	EAST	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
SAME									

<sup>12</sup> Dedicated Acres CH: 160 acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--	-------------------------------	----------------------------------	-------------------------

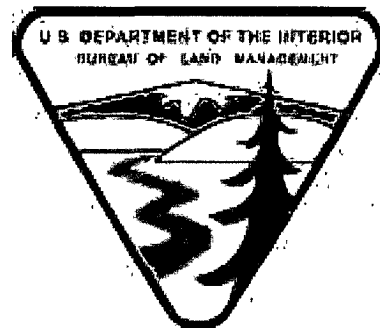
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true &amp; complete to the best of my knowledge &amp; belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i>
	Signature 
	Printed Name DOLENA JOHNSON
	Title REGULATORY COMP TECH
	Date 04/07/2010
	<sup>18</sup> SURVEYOR CERTIFICATION <i>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 &amp; correct to the best of my belief.</i>
	Date of Survey 6/23/1984
	Original Survey Signed By: John A. Vukonich
	14831
	Certificate Number

## ***DRILLING CONDITIONS OF APPROVAL***

**Operator:** XTO Energy  
**Lease No.:** NM-079232  
**Well Name:** Bolack C #16A  
**Well Location:** Sec.33, T27N, R8W; 1565' FSL & 1025' FEL

- 1) When filing the subsequent report to this field office, submit a hardcopy of the GR/CCL/CBL to be run from 5000' to surface.



After hour contact: Troy Salyers 505-360-9815