

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
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

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

Form C-103

June 19, 2008

WELL API NO.

30-045-07894

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

MASDEN GAS COM

8. Well Number

#1

9. OGRID Number

5380

10. Pool name or Wildcat

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

382 CR 3100

AZTEC, NM 87410

4. Well Location

Unit Letter A : 1130 feet from the NORTH line and 820 feet from the EAST line

Section 28

Township 29N

Range 11W

NMPM

NMPM

County SAN JUAN

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

5411' GR

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 ☒

DOWNHOLE COMMINGLE ☐

OTHER: ☐

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

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD APR 7 '10
OIL CONS. DIV.
DIST. 3

Spud Date:

Rig Release Date:

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

SIGNATURE Barbara A. Nicol TITLE REGULATORY COMPLIANCE TECH DATE 04/06/2010

barbara.nicol@xtoenergy.com

Type or print name BARBARA A. NICOL

E-mail address: barbara.nicol@xtoenergy.com PHONE 505-333-3100

For State Use Only

Deputy Oil & Gas Inspector,
District #3

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE APR 09 2010

Conditions of Approval (if any): CBL MUST BE REVIEWED AND APPROVED BY NMOLD PRIOR TO PERFORATING

B 4/9

**MASDEN GAS COM #1
OAP CHACRA
SEC 28, T29N, R11W
SAN JUAN CO., NM**

GFS _____
TJF _____

SURF CSG: 8-5/8", 24#, J-55 CSG @ 368'. CMT'D W/200 SX CMT. CIRC 40 SX CMT TO SURF.

PROD CSG: 4-1/2", 10.5#, J-55 CSG @ 6,181'. CMT'D 1ST STAGE W/350 SX CMT. DID NOT CIRC. CMT'D 2ND STAGE W/500 SX CMT. CIRC 125 SX CMT TO SURF.
DV TOOL @ 1,688'. PBTD @ 6,148'.
CAPACITY = 0.0159 BPF OR 0.6699 GPF.
BURST = 4,790 PSIG (TREATING @ 80% = 3,832 PSIG).

TUBING: NC, SN, & 191 JTS 2-3/8" TBG. SN @ 6,080'. EOT @ 6,081'.

EXISTING PERFS: GRANEROS: 6,023' – 6,033' & 6,044' – 6,054' (2 SPF)
DAKOTA: 6,110' – 6,125' (4 SPF)

FORMATION: CHACRA (WELL # 70684, AFE # 1001564)

**CORRELATE ALL DEPTHS TO LANE WELLS INDUCTION
ELECTROLOG DATED 4/18/1963**

Completion Procedure

1. Acquire Revenue Decks for Chacra. Verify DHC approval before continuing.
2. Set 2 - 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 4,000'. RIH with a 4-1/2" CBP. Set CBP at $\pm 4,000'$ (ensure plug is not set in collar). Load hole w/2% KCl & PT csg & plug to 3,000 psig for 5".
6. Run GR/CCL/CBL from $\pm 4,000'$ to surface. Correlate depths to Lane Wells Induction Electrolog dated 4/18/1963. Ensure good cement above and below proposed perfs. Perform remedial cement work if necessary. 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 (**2 spf**, 10 gm, 0.34" EHD, 21.42" pene, 120° phasing, ttl 34 holes).

Chacra Perforations
2,580' – 2,590'
2,672' – 2,678'

8. MIRU N₂ frac and acid equipment. BD perfs. EIR w/2% KCl wtr. Max press 3,000 psig. Switch to acid. Acidize Chacra perfs fr/2,580' – 2,678' w/1,000 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 51 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/1,920 gals 2% KCl wtr or until ball off. Pump flush @ ±12 BPM. Record ISIP, 5". Surge off balls.
9. Frac Chacra perfs fr/2,580' – 2,678' down 4-1/2" csg with 32,000 gals 70Q, N₂ foamed, 12# XL gelled Delta 140 frac fluid carrying 60,000# sand (48,000# 20/40 BASF sand and 12,000# 20/40 Super LC resin coated sand). Pmp frac @ 50 BPM. Do not exceed 3,000 psig. After seeing a 1 pound drop on the blender densitometer, **switch to tub bypass**. Flush w/1,602 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 ₂	5,000 gal	1,500 gal	-	-
1 ppg	12# 70Q XL N ₂	6,000 gal	1,800 gal	6,000# 20/40 BASF	6,000#
2 ppg	12# 70Q XL N ₂	9,000 gal	2,700 gal	18,000# 20/40 BASF	24,000#
3 ppg	12# 70Q XL N ₂	8,000 gal	2,400 gal	24,000# 20/40 BASF	48,000#
3 ppg	12# 70Q XL N ₂	4,000 gal	1,200 gal	12,000# 20/40 Super LC	60,000#
Flush	55Q Linear Gel	1,602 gal	721 gal	-	60,000#
Total		48,000# 20/40 BASF		12,000# 20/40 Super LC	

10. SWI for 4 hours. RDMO N₂ 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 @ ±4,000'. DO CBP @ ±4,000'.
17. CO to 6,148' (PBTD). Circ clean.
18. TOH & LD excess tubing & bit.

19. TIH w/NC, SN, & 2-3/8" tubing. Land EOT @ 6,020'.
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 1st 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

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

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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 October 12, 2005

Submit to Appropriate District Office

Fee Lease - 3 Copies

State Lease - 4 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-07894		² Pool Code 82329	³ Pool Name OTERO CHACRA
⁴ Property Code 022776	⁵ Property Name MASDEN GAS COM		⁶ Well Number 1
⁷ OGRID No. 5380	⁸ Operator Name XTO Energy, Inc.		⁹ Elevation 5411'

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
A	28	27-N	11-W		1130'	NORTH	820'	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
SAME									

¹² Dedicated Acres CH: 160 acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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>I hereby certify that the information contained herein is true & complete to the best of my knowledge & 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 04/06/2010		¹⁸ 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 & correct to the best of my belief.</i>
Date of Survey 6/23/1984		
Original Survey Signed By: John A. Vukonich		
Certificate Number 14831		