

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

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)		WELL API NO. 30-045-23566
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator XTO ENERGY INC.		6. State Oil & Gas Lease No. (CA) NMM-73762
3. Address of Operator 382 CR 3100 AZTEC, NM 87410		7. Lease Name or Unit Agreement Name: HARE GAS COM C
4. Well Location Unit Letter F : 1570' feet from the 1730' line and WEST line Section 25 Township 29-N Range 10-W NMPM County SAN JUAN		8. Well Number #1E
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5532' GL		9. OGRID Number 5380
		10. Pool name or Wildcat BASIN DAKOTA

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: RC CHACRA - PICTURED CLIFFS & PWOP ☒

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 and the Aztec Pictured Cliffs formations of this well and put it on pump per the attached procedure. Please also see the attached CH & PC C102 plats.

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 Dolena Johnson TITLE REGULATORY COMPLIANCE TECH DATE 03/25/2010
Type or print name DOLENA JOHNSON E-mail address: dee_johnson@xtoenergy.com PHONE 505-333-3100

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE APR 06 2010

Conditions of Approval (if any):

HOLD C102 FOR Aztec PC for status change to:
Abrams Gas Com C #1

**HARE GAS COM C #1E
OAP CH/PCCF
SEC 25, T29N, R10W
SAN JUAN CO., NM**

SURF CSG: 9-5/8", 32.3#, H-40 CSG @ 313'. CIRC CMT TO SURF.

INT CSG: 7", 20#, K-55 CSG @ 2,271'. CMT'D W/450 SX CMT. DID NOT CIRC TO SURF.
PPD 100 SX CMT DWN 7" X 9-5/8" ANNULUS TO STOP WTR FLOW.

PROD CSG: 4-1/2", 11.6#, K-55 @ 6,547'. CMT'D W/500 SX CMT. DID NOT CIRC TO SURF.
CAPACITY = 0.0155 BPF OR 0.6528 GPF. BURST = 5,350 PSI (TREATING @
80% = 4,280 PSI).

NOTE: MAX PRESSURE WILL BE 3,000 PSIG

EXISTING PERFS: DK: 6,269'- 6,494' (158 HOLES)

FORMATION: CHACRA (WELL # 68606, AFE # 905581)
PICTURED CLIFFS (WELL # 97025, AFE # 905583)

PROCEDURE:

1. Acquire Revenue Decks for Pictured Cliffs & Chacra. Submit DHC Allocations.
2. Set 3 - 400 bbl frac tnks & 1 flowback tnk. Fill frac tnks w/2% KCl wtr (or clay-stabilizer substitute). **NOTE:** Have frac co. test wtr for compatibility prior to frac & add biocide. Heat wtr in the frac tnks so that wtr temperature @ frac time is $\pm 80^{\circ}$ F. Hot oil trk must be clean to avoid contaminating the frac wtr.
3. MIRU PU. Recover plngr lift equip. ND WH. NU BOP.
4. TOH & LD w/tbg. ND BOP. NU frac vlv.
5. MIRU WLU and mast truck. RU full lubricator. RIH with a 4-1/2" CBP. Set CBP at +/- 6,100' (be sure plug is not set in collar). Load hole w/2% KCl & PT csg & plug to 3,000 psig for 5". Run GR/CCL/CBL. Verify TOC. Evaluate remedial cmt if necessary. TOC must be $\leq 1,800'$. Report results to Geoffrey Steiner.
6. 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 32 holes).

Chacra Perforations
2,883' – 2,893'
2,968' – 2,988'

8. MIRU acid equipment. BD perfs. EIR w/2% KCl wtr. Max press 3,000 psig. Switch to acid. Acidize Chacra perfs fr/2,883' – 2,988' w/1,250 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 45 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/49 bbls 2% KCl wtr or until ball off. Pump flush @ ±12 BPM. Record ISIP, 5". Surge off balls.
9. MIRU frac equipment. Frac Chacra perfs fr/2,883' – 2,988' down 4-1/2" csg with 58,667 gals 70Q, N2 foamed, 12# XL gelled Delta 140 (9 cp, 12#, 2% KCl wtr) frac fluid carrying 79,000# 20/40 BASF sand and 21,000# 20/40 SLC sd. 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 to top perf w/1,882 gals linear gel. Record ISIP, 5", 10" and 15" SIP's. Frac schedule:

Stage	Stage Vol.	Clean Vol.	Fluid	Stage Proppant	Cum-Proppant
Pre-pad	500 gals	150 gals	70Q XL Foam	0#	0#
Pad	8,000 gals	2,400 gals	70Q XL Foam	0#	0#
1 ppg	16,000 gals	4,800 gals	70Q XL Foam	16,000# 20/40 BASF	16,000#
2 ppg	15,000 gals	4,500 gals	70Q XL Foam	30,000# 20/40 BASF	46,000#
3 ppg	11,000 gals	3,300 gals	70Q XL Foam	33,000# 20/40 BASF	79,000#
3 ppg	7,000 gals	2,100 gals	70Q XL Foam	21,000# 20/40 SLC	100,000#
Flush	1,882 gals	1,882 gals	Linear gel	0#	100,000#
58,667 gal 70Q N2 Delta 140				Total Sand: 100,000#	

10. RU full lubricator. RIH and set a 4-1/2" CBP at +/- 2,250' (be sure plug is not set in collar). Load hole w/2% KCl & PT frac plug to 3,000 psig for 5".
11. RIH with guns and perf Pictured Cliffs 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 36 holes).

Pictured Cliffs Perforations
1,875' – 1,910'

12. BD perfs. EIR w/2% KCl wtr. Max press 3,000 psig. Switch to acid. Acidize Pictured Cliffs perfs fr/1,875' - 1,910' w/1,250 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 50 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/33 bbls 2% KCl wtr or until ball off. Pump flush @ ±12 BPM. Record ISIP, 5". Surge off balls.

13. Frac Pictured Cliffs perms fr/1,875' – 1,910' down 4-1/2" csg with 53,057 gals 70Q, N2 foamed, 12# XL gelled (Delta 140), 2% KCl water carrying 67,000# 16/30 BASF sand and 23,000# 16/30 Super LC sd. Pmp frac @ 35 BPM. Do not exceed 3,000 psig. Flush w/1,182 gals 70Q N2 foam (1 bbl underflush). Record ISIP, 5", 10" and 15" SIP's. Frac schedule:

Stage	Stage Vol.	Clean Vol.	Fluid	Stage Proppant	Cum Proppant
Pre-pad	500 gals	150 gals	70Q XL Foam	0#	0#
Pad	8,000 gals	2,400 gals	70Q XL Foam	0#	0#
1 ppg	14,000 gals	4,200 gals	70Q XL Foam	14,000# 16/30 BASF	14,000#
2 ppg	13,500 gals	4,050 gals	70Q XL Foam	27,000# 16/30 BASF	41,000#
3 ppg	10,333 gals	3,100 gals	70Q XL Foam	31,000# 16/30 BASF	72,000#
3 ppg	6,000 gals	1,800 gals	70Q XL Foam	18,000# 16/30 SLC	90,000#
Flush	1,224 gals	367 gals	70Q XL Foam	0#	90,000#
53,057 gal 70Q N2 Delta 140				Total Sand: 90,000#	

14. SWI 4 hrs. RDMO acid and N2 frac equip. Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with 8/64" ck. Increase choke size as appropriate
15. Flow test min 3hrs on fixed choke for IP tst. Record liq vols, FCP, & choke size. SWI. Report rates and pressure to Geoffrey Steiner. RD flowback manifold. Eval flowing up csg.
16. MIRU PU.
17. Blow well dwn. Kill well w/2% KCl wtr.
18. ND frac vlv. NU BOP.
19. MIRU AFU.
20. TIH w/ 3-7/8" bit, SN & 2-3/8" tbg. Tag fill.
21. CO to 2,250' (frac plug). DO frac plug @ 2,250'. CO frac sd fill to 6,100' (frac plug). DO frac plug @ 6,100'.
22. CO to 6,504' (PBTD). Circ clean.
23. TOH & LD excess tbg & bit.
24. TIH w/NC, SN & tbg.
25. ND BOP. NU WH. Land EOT @ 6,472'.
26. RU to flow to tst tnk.

27. Swab well until well KO.
28. RDMO PU.
29. Schedule 1st delivery for remaining zones.
30. PWOPL. Evaluate for PWOP.

Regulatory Requirements

Recompletion

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

DHC

Allocations	_____
Owner notification	_____
DHC order	_____

Services

AFU

WL truck & mast truck to perf & set plugs
Acid & frac equip

Equipment List

- 3 – 400 bbl frac tnks
- 1 flowback tnk
- 2 – 4-1/2" frac plugs
- 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 30-045-23566		² Pool Code 82329	³ Pool Name OTERO CHACRA
⁴ Property Code 022734	⁵ Property Name HARE GAS COM C		⁶ Well Number 1E
⁷ OGRID No. 5380	⁸ Operator Name XTO Energy, Inc.		⁹ Elevation 5532'

¹⁰ Surface Location

UL or lot no. F	Section 25	Township 29-N	Range 10-W	Lot Idn	Feet from the 1570'	North/South line NORTH	Feet from the 1730'	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. SAME	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres CH. 160 acres	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ 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

	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 03/25/2010		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> 6/23/1984 Date of Survey Original Survey Signed By: John A. Vukonich 14831 Certificate Number

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Form C-102

Revised October 12, 2005

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-23566	² Pool Code 71280	³ Pool Name AZTEC PICTURED CLIFFS
⁴ Property Code 022734	⁵ Property Name HARE GAS COM C	⁶ Well Number 1E
⁷ OGRID No. 5380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 5532'

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
F	25	29-N	10-W		1570'	NORTH	1730'	WEST	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 PC: 160 acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

	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		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 03/25/2010		
Date of Survey 6/23/1984		
Original Survey Signed By: John A. Vukonich		
Certificate Number 14831		