

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

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

May 27, 2004

WELL API NO.

30-025-29385

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

North Vacuum ABO East Unit

8. Well Number 14

9. OGRID Number 005380

10. Pool name or Wildcat
Vacuum; Abo, North

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

200 N. Loraine, Ste. 800 Midland, TX 79701

4. Well Location

Unit Letter M : 659 feet from the West line and 542 feet from the South line

Section 7 Township 17S Range 35E NMPM Lea County

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

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 ☐

OTHER: OAP, Reperforate, Stimulate & RWTP ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

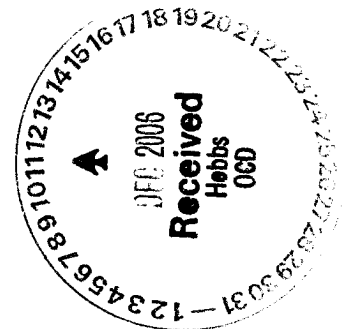
CASING/CEMENT JOB ☐

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.

Return TA'd well back to Production.

See attached proposed procedure.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kristy Ward TITLE Regulatory Analyst DATE 12/7/06

Type or print name Kristy Ward

E-mail address: kristy_ward@xtoenergy.com Telephone No. 432-620-6740

For State Use Only

OC FIELD REPRESENTATIVE II/STAFF MANAGER

APPROVED BY: Harry W. Wink TITLE _____ DATE DEC 12 2006

Conditions of Approval (if any):



NVAEU #14
LEA COUNTY, NEW MEXICO
November 7, 2006

ELEVATION:	PBTD - 8752'	KB - 16'; DF - 15'
	TD - 8800'	GL - 4012'

WELL DATA:

Surface Casing: 13-3/8", 48#, Set at 417'. Cemented with 500 sx.
Circulated to surface.

Intermediate Casing: 8-5/8", 28&32#, Set at 5000'. Cemented with 2400 sx.
Circulated to surface.

Production Liner: 5 1/2", 15.5 & 17#, K-55, Set 4190-8790. Cemented with 1120 sx.

PERFORATIONS:

- 8668-70 (2', 2 Holes)
- 8660-62 (2', 2 Holes)
- 8652-56 (4', 4 Holes)
- 8622-25 (3', 3 Holes)
- 8613-16 (3', 3 Holes)

OBJECTIVE: OAP, Reperforate, Stimulate and RWTP

RECOMMENDED PROCEDURE

1. Rig up pump truck and pressure up on casing with 1% KCL to 500 psi and check casing integrity.
2. RUPU. Install BOP. Pull 2 jts of 2-7/8" tubing. Pick up 4-3/4" bit, 6 3-1/2" drill collars, and 2-7/8" workstring. Trip in Hole and drill out CIBP@ 8582' (Cement 35' above) with 1% KCL. Clean well out to TD. Monitor and report returns. Circulate hole clean and POH.
3. TIH with 4" perforating gun and **perforate well with 3 JSPF and 120 degree phasing** at the following intervals:
 - 8741-47 (6', 18 shots)
 - 8737-38 (2', 6 shots)
 - 8727-33 (6', 18 shots)
 - 8720-24 (4', 12 shots)



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- 8713-17 (4', 12 shots)
 - 8707-11 (4', 12 shots)
 - 8695-8703 (8', 24 shots)
 - POH
4. TIH with 2-7/8" workstring and 5-1/2" packer to 8740 and spot 150 gals of 20% NEFE Acid. Pull and set packer at 8680' and reverse circulate acid into tubing. Breakdown perfs and pump **5,000 gals of 20% NEFE acid** at max rate/pressure of **5 BPM/4,500 psi** dropping **153 – 1.3 sg ball sealers** at even intervals after the first 1000 gals of acid. If communication is observed, acidize as previously recommended substituting grated rock salt and gelled 1% KCL for ball sealers. Note: Rig up pump truck on back side and establish rate down backside. Rate not to exceed 2 BPM and pressure not to exceed 1000 psi. Have clear gel on location if communication is encountered pump 250 gals of clear gel (at set will have >100,000 cp). Gel should set within 30 minutes. Repeat gel slugs until communication is shut off.
5. Shut well in for 30 minutes. If communication occurs, cut to flush and upon completion of flush rig up and reverse acid into tubing.
6. Open well back to pit through 8/64". Let well flow down and open another 8/64ths. Continue until well dies. Rig up swab and swab until it is determined productivity and oil/gas cut of well. Put well on production until
- If lower interval is considered unproductive, proceed with Step 7. If lower interval is productive proceed to step #14.**
7. TIH with CICR and set at 8680 and pump 200 sx of Cl C cement with 2% Calcium Chloride. Squeeze to 3000 psi. Sting out and circulate clean. POH.
8. TIH with 4-3/4" bit and workstring. Clean out well to **top** of CICR. Circulate clean and POH.
9. TIH w/4" casing gun and **perforate 8612-24 (12', 36 shots) and 8652-69 (17', 51 shots) w/ 3 JSPF at 120 degree phasing.** POH.
10. TIH with packer and workstring. Set packer at 8500'. Establish injection rate with 1% KCL. Pump **4,000 gals of 20% NEFE Acid** with 130-1.3 sg ball sealers starting the ball sealers after first 1,000 gals of acid. Flush and shut well in for 30 minutes.



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11. Surge balls off perms. Open well back to pit through 8/64". Let well flow down and open another 8/64ths. Continue until well dies. Rig up swab and swab until it is determined productivity and oil/gas cut of well.
12. Pump **6,000 gals of 20% NEFE Ultra Gel** followed by flush with 1% KCL. Max rate/pressure: 4 bpm/4500 psi. Shut well in for 1 hour.
13. Open well back to pit through 8/64". Let well flow down and open another 8/64ths. Continue until well dies. Rig up swab and swab until it is determined productivity and oil/gas cut of well. RWTP and monitor results.

If lower interval is considered productive, proceed with Step #14.

14. TIH w/4" casing gun and perforate 8612-24 (12', 36 shots) and 8652-69 (17', 51 shots) w/ 3 JSPF at 120 degree phasing. POH.
15. TIH with RBP with ball catcher, packer, and workstring. Set RBP at 8680' and test to 1000 psi. Set packer at 8500'. Establish injection rate with 1% KCL. Pump **4,000 gals of 20% NEFE Acid** with 135-1.3 sg ball sealers starting the ball sealers after first 1,000 gals of acid. Flush and shut well in for 30 minutes.
16. Open well back to pit through 8/64". Let well flow down and open another 8/64ths. Continue until well dies. Rig up swab and swab until it is determined productivity and oil/gas cut of well.
17. Release RBP and lower in well to 8750 (On bottom) and reset. Pull packer to 8500' and reset.
18. Pump **10,000 gals of 20% NEFE Ultra Gel** dropping 100 1.3 sg ball sealers after 5,000 gallons and 100 more 1.3 sg ball sealers at 7,500 gals of acid. followed by flush with 1% KCL. Max rate/pressure: 4 bpm/5,000 psi. Shut well in for 1 hour.
19. Open well back to pit through 8/64". Let well flow down and open another 8/64ths. Continue until well dies. Rig up swab and swab until it is determined productivity and oil/gas cut of well. RWTP and monitor results.
20. Return well to production.