

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

Form C-103  
June 19, 2008

RECEIVED

OCT 05 2009

HOBBSOCD

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

WELL API NO. 30-025-26391
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Arrowhead Grayburg Unit
8. Well Number 210
9. OGRID Number 005380
10. Pool name or Wildcat Arrowhead; Grayburg

**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 <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection <input checked="" type="checkbox"/>	7. Lease Name or Unit Agreement Name: Arrowhead Grayburg Unit
2. Name of Operator XTO Energy, Inc.	8. Well Number 210
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701	9. OGRID Number 005380
4. Well Location Unit Letter <u>0</u> : <u>660'</u> feet from the <u>South</u> line and <u>1650'</u> feet from the <u>East</u> line Section <u>12</u> Township <u>22S</u> Range <u>36E</u> NMPM County <u>Lea</u>	10. Pool name or Wildcat Arrowhead; Grayburg
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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: Clean Out, Sqz GB & Stimulate; RWTI ☒

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.

- MIRU Completion unit. ND wellhead. NU BOP. Release Packer. POOH w/115 jts of 2-3/8" Duo-lined tbg & packer. MI 4100' of 2-7/8". 6.5 ppf, N-80 work string.
  - RIH with notched collar, scraper and 2-7/8" WS. Circulate hole clean with fresh water. POOH w/2-7/8" WS, scraper & notched collar. RIH w/5-1/2" CICR and set @ 3806'.
  - MIRU pump & cement trucks & squeeze off Grayburg zones 4 & 5. Simultaneously RU on the back side & maintain pressure on the tbg/csg annulus. Reverse circulate the cement when finished to keep cement out of the upper Grayburg. POOH w/2-7/8" WS.
- Procedure Cont'd. on Next Page.

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 Kristy Ward TITLE Regulatory Analyst DATE 09/30/09  
Type or print name Kristy Ward E-mail address: kristy\_ward@xtoenergy.com PHONE 432-620-6740

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE OCT 07 2009  
Conditions of Approval (if any):

ENERGY  
Arrowhead Grayburg Unit #210 WIW  
Lea County, NM  
September 30, 2009

**RECOMMENDED PROCEDURE**

*Verify that **anchors** have been set and tested per NMOCD and OSHA guidelines.  
This is a STATE well.*

4. RIH with bit on 2-7/8" WS and tag CICR at 3806'. If cement is located above CICR then drill out to 3803'. Circulate hole clean with fresh water. POOH with 2-7/8" WS and bit.
5. MI RU wireline company to reperf Grayburg zones 1, 2, and 3. (see details below).
  - a. RIH with GR, CL and select fire gun.  
**Note: There is a C1CR located at 3806' or TOC as tagged in step 8.**
  - b. Perforate the following intervals with 2 JSPF at 180 degree phasing.
    1. Grayburg zone 3: 3784'-97' (total 13' and 26 holes)
    2. Grayburg zone 2: 3745'-54', 3722'-40', 3706'-13' (total 34' and 68 holes)
    3. Grayburg zone 1: 3673'-76', 3664'-68' (total 7' and 14 holes)
  - c. POOH and RD MO wireline company.
6. RIH with packer on 2-7/8" work string. Set packer at 3600'. Load hole with fresh water. Tst tbg/csg annulus to 500 psig.
7. RU acid company to acidize Grayburg via 2-7/8" tubing with a total of 5500 gals of 15% 90/10 HCL Acid with 4000 gals of 30lb gelled water with 1 ppg rock salt at a max rate/pressure of 2 BPM / 1500 psig (see schedule below).
  - a. Establish inj rate of 2 BPM not exceeding 1500 psi.
  - b. 1500 gals of 15% 90/10 Acid
  - c. 2000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - d. 2000 gals of 15% 90/10 Acid
  - e. 1000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - f. 2000 gals of 15% 90/10 Acid
  - g. 1000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - h. Flush to bottom perf + 20 bbls fresh water
8. RD acid crew and shut well in for 2 hr.

## ENERGY

9. Open up well and backflow until dead. Swab back load.
10. POOH and LD work string. RIH with 5-1/2" injection packer, on/off tool, SN and 2-3/8" Duo-lined tubing. Set packer at 3622'. Circulate packer fluid. Pressure up on annulus to 500 psi.
11. If pressure test is ok, then notify NMOCD of intent to perform MIT 24 hours prior to test. MIT well to 500 psi for 30 minutes. Chart well for 30 minutes and send to Kristy Ward to file with NMOCD.
12. ND BOP and NU wellhead.
16. RD MO completion unit.
17. Return to injection at initial rate/pressure set points.