

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 87003  
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**  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

OCT 14 2009

HOBBSOCD

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-025-31301 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator XTO Energy, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701		7. Lease Name or Unit Agreement Name: Arrowhead Grayburg Unit ✓
4. Well Location Unit Letter <u>C</u> : <u>710'</u> feet from the <u>North</u> line and <u>1980'</u> feet from the <u>West</u> line Section <u>18</u> Township <u>22S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number 218 ✓
		9. OGRID Number 005380 ✓
		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 & 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.

1. MIRU Completion unit. ND wellhead. NU BOP. Release Packer. POOH w/115 jts 2-3/8" Duo-lined tbg & pkr. MI 4000' 2-7/8", 6.5 ppf, N-80 work string.
2. 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/pkr on 2-7/8" WS. Set pkr @3500'. Load tbg/csg annulus with fresh water and pressure up TCA to 500 psig.

Procedure Cont'd. on Next Page.

Spud Date:

Rig Release Date:

\* Packer is to be < 100' above top perms.

*KW*

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 Cathy M. Hill TITLE DISTRICT 1 SUPERVISOR DATE OCT 30 2009  
Conditions of Approval (if any):



Arrowhead Grayburg Unit #218 WIW  
Lea County, NM  
September 30, 2009

---

**ELEVATION:** PBTB 3870' KB 6'  
TD 3880' GL 3427'

**WELL INFO:** Spud Date: 03/02/92  
1P Grayburg: 1164 BWPD @ 0 psi

**WELL DATA:**

Surface Csg: 8-5/8", 23ppf set at 1110'. Cemented with 700 sx cement.  
TOC at surface.

Production Csg: 5-112", 15.5ppf, K-55 csg. set at 3880' cemented with 650 sx cement.  
TOC at surface. CICR at 3773'

Tubing detail 115 Jts. 2-3/8" Duo-line tbg.  
(10119191) Guiberson G-6 PC inj. packer set at 3594'

**PERFORATIONS:** Grayburg Z1:3644'-50' (6', 12 Holes)  
3656'-70' (14', 28 Holes)  
Z2: 3674'-78' (4', 8 Holes)  
3682'-86' (4', 8 Holes)  
3690'-93' (3', 6 Holes)  
3698'-3700' (2', 4 Holes)  
3706'-10' (4', 8 Holes)  
3724'-26' (2', 4 Holes)  
3732'-36' (4', 8 Holes)  
Z3: 3746'-50' (4', 8 Holes)  
3759'-63' (4', 8 Holes)  
CICR: 3773'  
Z4: 3780'-84' squeezed  
3798'-3800' squeezed  
3804'-06' squeezed  
3816'-19' squeezed  
Z5: 3831'-41' squeezed  
3848'-53' squeezed

**OBJECTIVE:** Clean out and stimulate.

ENERGY

**Arrowhead Grayburg Unit #218 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.*

3. RU acid company to acidize Grayburg via 2-7/8" tubing with a total of 5000 gals of 15% 90/10 HCL Acid with 5000 gals of 30 lb gelled water with 1 ppg rock salt at a max rate/pressure of 3 BPM /1000 psig (see schedule below).
  - a. Establish inj rate of 2 BPM not exceeding 1500 psi.
  - b. 1000 gals of 15% 90/10 Acid
  - c. 1000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - d. 1000 gals of 15% 90/10 Acid
  - e. 1000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - f. 1000 gals of 15% 90/10 Acid
  - g. 1000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - h. 1000 gals of 15% 90/10 Acid
  - i. 1000 gals of 30lb gelled fresh water with 1 ppg rock salt
  - j. 1000 gals of 15% 90/10 Acid
  - k. 1000 gals of 30lb gelled fresh water with 1 ppg rock sat
  - l. Flush to bottom perf + 20 bbls fresh water
4. RD acid crew and shut well in for 2 hrs.
5. Open up well and backflow until dead. Swab back load.
6. POOH and LD work string. RIH with 5-1/2" injection packer, on/off tool, profile nipple and 2-3/8" Duo-lined tubing. Set packer at 3580'. Circulate packer fluid. Pressure up on annulus to 500 psi.
7. If pressure test is ok, then notify NMOCD of intent to perform MIT. MIT well to 500 psi for 30 minutes.
8. ND BOP and NU wellhead.
9. RD MO completion unit.
10. Return to injection at initial rate/pressure set points.