

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
RECEIVED
OIL CONSERVATION DIVISION
OCT 14 2009
1220 South St. Francis Dr.
Santa Fe, NM 87505
HOBBSOCD

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. 30-025-31245 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> <u>Other Injection</u>		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>E</u> : <u>1980'</u> feet from the <u>North</u> line and <u>460'</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 227 ✓
		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/2-3/8" Duo-lined tbg & packer. 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 hole w/fresh water to 500 psig to test packer.

Procedure Cont'd. on Next Page.

**Packer is to be set < 100' above top Pkts.*

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 Tamy D. Lip TITLE DISTRICT 1 SUPERVISOR DATE OCT 29 2009

Conditions of Approval (if any):

**Condition of Approval: Notify OCD Hobbs
office 24 hours prior to running MIT Test & Chart.**

X T O E N E R G Y
Arrowhead Grayburg Unit #227 WIW
Lea County, NM
September 30, 2009

ELEVATION: PBTD 3769' KB 13.5'
TD 3858' GL 3438'

WELL INFO: Spud Date: 08/07/92
Initial Inj. Grayburg: 927 BWIPD

WELL DATA:
Surface Csg: 8-5/8", 23 ppf, M-50 csg. set at 1174'. Cemented with 1000 sx.
TOC at surface.

Production Csg: 5-1/2", 15.5 ppf, K-55 csg. Set at 3858' Cemented with 900 sx.
TOC at surface.

Tubing detail: 113 Jts. 2-3/8" Duo-line tbg.
(08/27192) 5-1/2" Guiberson G-6 PC inj. packer with on/off tool at 3582'.

PERFORATIONS: Grayburg Z1: 3639'-46' (7', 14 Holes)
Grayburg Z2: 3675'-77' (2', 4 Holes)
3682'-90' (8', 16 Holes)
3692'-96' (4', 8 Holes)
3700'-06' (6', 12 Holes)
3710'-22' (12', 24 Holes)
Grayburg Z3: 3732'-46' (14', 28 Holes)
3752'-66' (14', 28 Holes)
CICR **3769'**
Grayburg Z4: 3773'-78' (squeezed)
3784'-86' (squeezed)
3796'-3804' (squeezed)
3808'-12' (squeezed)
Grayburg Z5: 3822'-34' (squeezed)
CICR **3835'**
3840'-48' (squeezed)

OBJECTIVE: Clean out and stimulate existing perfs.



**Arrowhead Grayburg Unit #227 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. MI RU acid company to acidize Grayburg via 2-7/8" tubing with a total of 7000 gals of 15% 90/10 HCL Acid with 6000 gals of 301b gelled water with 1 ppg rock salt at a max rate/pressure of 2 BPM /1500 psig (see schedule below).
 - a. Establish inj rate with fresh water of 2 BPM not exceeding 1500 psi.
 - b. 1000 gals of 15% 90/10 Acid
 - c. 2000 gals of 30 lb gelled fresh water with 1 ppg rock salt
 - d. 2000 gals of 15% 90/10 Acid
 - e. 2000 gals of 30 lb gelled fresh water with 1 ppg rock salt
 - f. 2000 gals of 15% 90/10 Acid
 - g. 1000 gals of 30 lb gelled fresh water with 1 ppg rock salt
 - h. 2000 gals of 15% 90/10 Acid
 - i. 1000 gals of 30 lb gelled fresh water with 1 ppg rock salt
 - j. Flush work string with 1000 gals FW.
4. RD acid crew and shut well in for 2 hr.
5. Open up well and backflow until dead.
6. POOH and LD work string and packer. RIH with 5-1/2" injection packer, on/off tool, SN and 2-3/8" Duo-lined tubing. Set packer at 3560'. Circulate packer fluid. Pressure up on tbg/csg annulus to 500 psi for 15 minutes.
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.