

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87401
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

RECEIVED
OCT 14 2009
HOBBSOCD

WELL API NO. 30-025-10359
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 #245
8. Well Number 245
9. OGRID Number 005380
10. Pool name or Wildcat Arrowhead; Grayburg
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: Arrowhead Grayburg Unit #245
2. Name of Operator XTO Energy, Inc.	8. Well Number 245
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701	9. OGRID Number 005380
4. Well Location Unit Letter B : 660' feet from the North line and 660' feet from the East line Section 19 Township 22S Range 37E NMPM County Lea	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.

- MIRU Completion Unit. POOH w/1-1/2" polish rod, 1850' of 7/8" sucker rods, 2150' of 3/4" sucker rods, and rod pump. ND wellhead. NU BOP. POOH w/2-7/8" J-55 tbg, perf sub & mud anchor.
 - MI 4000' 2-7/8", 6.5 ppf, N-80 WS. MIRU wireline co. RIH w/5-1/2" CIBP & set @ 3708'. POOH. RDMO.
 - RIH w/treating pkr on 2-7/8" WS. Set pkr @ 1700'. Load hole w/fresh water & pressure to 500 psig to test existing squeezed csg. leaks (393'-1016' & 1553'-1611'). If pressure test holds, continue w/step 5, otherwise proceed with step 4.
- 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 10/08/09
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 DISTRICT 1 SUPERVISOR DATE OCT 29 2009
Conditions of Approval (if any):


Arrowhead Grayburg Unit #245
Lea County, NM
October 9, 2009

ELEVATION: PBTD 3813' KB 13'
TD 3813' GL 3411'

WELL INFO: Spud Date: 1944
IP Grayburg: 1580 BOPD / 0 MCFPD / 0 BWPD

WELL DATA:
Surface Csg: 10-3/4", 40 ppf csg. set at 480'. Cemented with 200 sx.
Cement. TOC at 20' from surface.

Production Csg: 5-1/2", 14 ppf csg. set at 3714' Cemented with 700 sx. TOC
at surface.

Tubing detail: 120 Jts. 2-7/8" J-55 tbg.
(06/21/93) SN at 3765'. 4' x 2-7/8" Perf Sub, 2-7/8" MA with BPOB
landed at 3801'

PERFORATIONS: Penrose: 3584' (1', 2 holes)
3590' (1', 2 holes)
3603' (1', 2 holes)
3605' (1', 2 holes)
3621' (1', 2 holes)
3633' (1', 2 holes)
3648' (1', 2 holes)
3653' (1', 2 holes)
Grayburg: 3663'-67' (4', 8 holes)
3673'-75' (2', 4 holes)
3682'-86' (4', 8 holes)
3697'-99' (2', 4 holes)
3702'-04' (2', 4 holes)
Open hole: 3714'-3813'

OBJECTIVE: Clean out and stimulate existing perfs.


Arrowhead Grayburg Unit #245
Lea County, NM
October 9, 2009

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

4. If there is pressure loss then release packer and move up hole and set packer at 1200'. Load hole with fresh water and pressure to 500 psig to determine which section of csg. is leaking. Notify Greg Hicks of results so that a procedure can be developed to fix csg. leak.
5. Release treating packer and continue to 3480' and set packer. Load tbg/csg annulus with fresh water and pressure to 500 psig. Load hole with fresh water.
6. MI RU acid company to acidize Grayburg via 2-7/8" tubing with a total of 2500 gals of 15% 90/10 HCL Acid with 2500 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 with fresh water of 2 BPM not exceeding 1500 psi.
 - b. 500 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. 500 gals of 30lb gelled fresh water with 1 ppg rock salt
 - h. Flush work string with 2000 gals FW.
7. RD. Open up well and backflow until dead. Swab back load.
8. POOH and LD work string and treating packer.
9. RIH with 2-7/8", J-55 tbg, SN, perf sub and mud anchor setting SN at 3650'.
10. ND BOP and NU wellhead.
11. Check FL and inflow rates to determine if production equipment needs re-designed. Contact Greg Hicks of results.
12. RIH with rod pump, rods, and 1-1/2" polished rod.
13. RDMO. **RWTP.**