

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  
May 27, 2004

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

WELL API NO. 30-025-37282
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON OIL AND GAS PROPERTIES  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR RE-ABANDON 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
2. Name of Operator XTO Energy, Inc.	8. Well Number #328
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701	9. OGRID Number 005380
4. Well Location Unit Letter I : 1465 feet from the SOUTH line and 1240 feet from the EAST line Section 35 Township 21S Range 36E NMPM County LEA	10. Pool name or Wildcat ARROWHEAD; GREYBURG
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> 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 COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Perf/Add Pay ☒

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.

10/02/07 MIRU PU. Unseat pmp. POOH w/ rods. Tagged @ 3,875. POOH w/tbg. SWI & SDON.

10/03/07 RU WL Srv. PU 4" perf gun, CCL & gamma ray. RIH & correlate logs. Tagged PBD @ 3,866'. Perf Grayburg fr 3,835'-45'. POOH w/WL. PU 5-1/2" RBP, 5-1/2" [1r w/C: pm 122 jts of 2-7/8" J-55 tbg/ Set RB{ @ 3,854'. PUH & set pkr @ 3,812. RU pmp. EIR 1.5 BPM @ 600 psig w/no comm on TCA. RU acidizing equip. Acidize Grayburg perfs fr 3,835'-3,845' w/500 gals of 20% NEFE acid @ 1.5 BPM @ 530 psig. Flush w/25 bbls of FW. Rel pkr. RIH & latch onto RBP. PUH & set RBP @ 3,812' & pkr @ 3,621'.  
SEE ATTACHED

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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE: Sherry Pack TITLE: Regulatory Analyst DATE: 2/13/2008  
E-mail address: sherry\_pack@xtoenergy.com  
Type or print name Sherry Pack Telephone No. 432.620.6709

For State Use Only

APPROVED BY: Chris Williams TITLE: OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE: FEB 26 2008  
Conditions of Approval, if any:



**ARROWHEAD GRAYBURG UNIT #328**

**API 30-025-37282**

**Form C-103 cont'd**

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- 10/03/07 Acidize Grayburg perms fr 3,775-3,797 w/1000 gals of 20% NEFE acid @ 2 BPM @ 600 psig. Flush w/25 bbls of FW. RD acidizing equip. Rel pkr. RIH & latch onto RBP & cont RIH & set RBP @ 3,854' & PUH set pkr @ 3,621'. SWI & SDON.
- 10/04/07 SICP 0 psig - SITP Vac. RU Swab. BFL 1,500' FS. Made 40 swab runs in 10 hrs & rec 200 bbls of wtr & 0 oil. EFL 1,600' FS. RD swab. SWI & SDON.
- 10/05/07 EIR 4 BPM @ 400 psig. Rel pkr. RIH & latch onto RBP. POOH w/tbg. LD RBP & pkr. MI rack up 4,000' of 2-7/8" N-80 WS. PU & RIH w/116 jts of 2-7/8" N-80 WS. POOH w/tbg. SWI & SDON.
- 10/06/07 PU & RIH w/5-1/2" CICR on 116 jts of 2-7/8" N-80 WS. MIRU BJ Cmt equipment. Pmp 26 BFW dwn tbg to clear CICR. Set CICR @ 3,736'. Test tbg & tools to 2,000 psig. Sting out of retainer & cicr TCA w/85 BFW to half pit. Sting into retainer. Test TCA to 400 psig & monitor. EIR w/21 BFW @ 3 BPM, 70 psig. Squeeze Grayburg perms from 3,775'-3,872' w/ 250 sks Class "C" w/2% CACL @ 2.0 BPM, 460 psig. Start Class "C" neat tail cement @ 2 BPM, 460 psig, w/ 10 sks gone @ 1 BPM, 600 psig, w/ 20 sks gone @ 1/2 BPM, 1,000 psig, w/ 32 sks gone @ .2 BPM, 1,200 psig. Shut down & wash up cement equipment. Roll in 1/4 BFW @ 1,500 psig w/ 176 sks cmt in formation. Press holding, sting out of CICR & rev out 21 bbs cmt & 50 BFW to half pit. POOH w/ 2-7/8" N-80 tbg. RD BJ cmt equip. SWI & SDOWE
- 10/09/07 PU & RIH w/4-3/4" bit, bit sub & 6 - 3-1/2" DC on 110 jts of 2-7/8" N-80 ws. Taggd cmt @ 3,726'. RU Smith swivel. Brk circ. DO cmt & CICR fr 3,726' to 3,875'. Circ hole clean. RD swivel. Tst TCA to 500 psig for 20". Held Ok. PUH to 3,850'. SWI & SDON.



## ARROWHEAD GRAYBURG UNIT #328

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Form C-103 cont'd

- 10/10/07 RU acid equipment. Spot 200 gals of Acetic acid @ 3,850'. RD acid equip. POOH w/tbg & LD BHA. RU WL trk. RIH w/3-3/8" csg guns w/CCL & Perf GB fr 3,840' - 3,845' (5', 5 shots), w/1 JSPF, 120 degree. RD WL equip. RIH w/5-1/2" treating pkr. Set pkr @ 3,810'. Open by-pass & rev 2 bbls. Close by-pass. Brk dwn perfs w/1 BFW @ 900 psig. Acidize GB perf fr 3,840' - 3,845' w/250 gals of 15% NEFE acid @ 1 BPM, 900 psig. Flushed w/26 BFW. ISIP 481 psig, 5" Vac. RD acid equip. BWTR 50. RU swab equipment. BFL 1,000' FS. Made 7 swab runs in 2 hrs & rec 28 BW 0 oil. EFL 1,700' FS. RD swab. BWTR 22. SWI & SDON.
- 10/11/07 SICP Vac - SITP Vac. BFL 1,500' FS. Made 40 swab runs in 8 hrs & rec 110 BW w/0 bbls oil. EFL 3,000' FS. RD swab. Rel pkr. POOH w/114 jts of 2-7/8" N-80 WS. LD pkr. SWI & SDON
- 10/12/07 PU & RIH w/4-3/4" bit, bit sub & 6 - 3-1/2" DC on 2-7/8" N-80 WS. Tagged CIBP @ 3,876'. Brk circ & DO CIBP & push dwn hole to 3,955' (CIBP). Circ hole clean. POOH w/tbg & BHA. PU & RIH w/5-1/2" pkr on 2-7/8" N-80 WS. Set pkr @ 3,875'. Pmp 30 BFW dwn tbg @ 1.6 BPM, 500 psig. Rel pkr. POOH w/tbg & pkr. SWI & SDON.
- 10/13/07 PU & RIH w/5-1/2" CICR on 115 jts of 2-7/8" N-80 WS. MIRU BJ Cmt equipment. Pmp 26 BFW dwn tbg to clear CICR. Set CICR @ 3,725'. Test tbg & tools to 2,000 psig. Sting out of retainer & cicr TCA w/85 BFW to half pit. Sting into retainer. Test TCA to 400 psig & monitor. EIR w/6 BFW @ 2 BPM, 640 psig. Squeeze Grayburg perfs from 3,775'-3,950' w/ 200 sks Class "C" w/2% CACL @ 2.0 BPM, 460 psig. Start Class "C" neat tail cement @ 2 BPM, 844 psig, w/ 10 sks gone @ 1 BPM, 600 psig, w/ 20 sks gone @ 1/2 BPM, 1,000 psig, w/ 32 sks gone @ .2 BPM, 1,200 psig. Shut down & wash up cement equipment. Roll in 1/4 BFW @ 1,500 psig w/ 152 sks cmt in formation. Press holding, sting out of CICR & rev out 22 bbs cmt & 80 BFW to half pit. POOH w/ 2-7/8" N-80 tbg. RD BJ cmt equip. SWI & SDOWE [WOC]



**ARROWHEAD GRAYBURG UNIT #328**

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**Form C-103 cont'd**

- 10/16/07 PU & RIH w/4-3/4" bit, bit sub, 6 - 3-1/2" DC, X-over sub on 2-7/8" N-80 WS. Tagged cmt @ 3,720'. RU swivel. Brk circ, DO cmt fr 3,720' to 3,850'. Circ hole clean. RD swivel. Press tst TCA to 500 psig. Held OK. POOH w/tbg & LD BHA. SWI & SDON.
- 10/17/07 RU WL trk. RIH w/3-3/8" csg guns w/CCL & Perf GB fr 3,837' - 3,843', w/3 JSPF, 120 degree. RD WL equipment. RIH w/5-1/2" treating pkr. Set pkr @ 3,831'. RU Acidizing Equipment. Open by-pass & pmp 500 gals of 15% NEFE HCL acid dwn tbg w/9 bbls of FW w/3 gals of RN-211. Close by-pass. Unable to Brk dwn perfs @ 900 psig. Contact engineer & prod sup to incr press to 3,700 psig. Unable to brk dwn perfs. SWI w/3,500 psig on tbg. SDON.
- 10/18/07 SITP 0 psig, SICP 375 psig. Pmp dwn tbg. Tbg was standing full. Att to brk dwn GB perfs fr 3,837' to 3,843' w/500 gals of 15% NEFE HCL acid. Unable to brk dwn perfs @ 1,200 psig. Walk press up to 3,500 psig. Unable to Brk dwn perfs @ 3,500 psig. Blow well dwn to pit. RD CUDD. Open by-pass & Rev acid out of tbg to half pit w/30 BBW. Close by-pass, Rel pkr & POOH w/2-7/8" N-80 WS. LD pkr. RU Gray WL, PU & RIH w/3-3/8" csg guns w/CCL & Perf GB fr 3,837' - 3,843', w/6 JSPF, 60 degree. RD WL equipment. SWI & SDON.
- 10/19/07 SICP-"0". PU & RIH w/ BJ serv 5-1/2" trt pkr & 2-7/8" N-80 tbg. Set Pkr @ 3,831'. L&T TCA to 500 psig & monitor. RU swab, made 6 runs & swabed tbg dry. RU Cudd serv, losd tbg w/ 500 gals 15% NeFe HCL & 9 bbs prod water w/ 3 gals RN-211 chem. Attempt to brk down SA perfs. Work for 9 hours walking press up from 1,000 psig to 3,500 psig, unable to brk down perfs. Install striping head on tbg, PU 10' 2-7/8" tbg sub. Release pkr, RIH w/10' tbg sub & spot 1/2 bbl 15% NeFe HCL across SA perfs. PUH, reset trt pkr @ 3,831'. Open by-pass & reverse out 5 bbs. Brk down perfs w/ 1 bbl prod water @ 1,390 psig. Acidize SA perfs from 3,837'-3,843' w/ 500 gal 15% NeFe HCL & flushed w/30 bbs prod water w/ 3 gals Champion RN-211 chem. Avg rate .9 BPM @ 570 psig. Max press 944 psig. ISDP-260 psig, 5 min-"0". RD trt equipment. 51 BLWTR. SDON.



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**Form C-103 cont'd**

- 10/20/07 SITP-light vaccum. RU swab, IFL @ 1,500' FS. Made 16 runs in 5 hours, recovered 61 BLW. FL holding @ 3,000 FS. Shut down for 1 hour to repair sand line, FL @ 1,500'FS. Made 18 runs in 4 hous, recovered 62 bbs water, FL holding @ 3,000'FS. Total for 10 hours - 34 runs, recovered 123 bbs water. L holding @ 3,000'FS. CWI, SDOWE.
- 10/24/07 RIH w/2-7/8" BPMAJ, 2-7/8" SN, 1 jts of 2-7/8", 6.5#, J-55, EUE, 8rd IPC tbg, 4 jts 2-7/8", 6.5#, J-55, EUE, 8rd tbg, 2-7/8" x 5-1/2" TAC, 116 jts 2-7/8", 6.5#, J-55, EUE, 8rd tbg, 2 - 2-7/8" x 10' tbg subs. ND BOP. Set 18 pts of tens on TAC. NU WH. PU & RIH w/1.25" x 8' gas anchor, 2.5" x 2.0" x RXBC x 24' x 3' plngr, 1 x 4' sub, 9 - 1-1/2" K-bars, 143 - 7/8" D-78 sucker rods. SWO & HWO. RU pmp trk. Load tbg w/9 BFW. Pmp up to 500 psig in 4 strks. RD pmp trk. RWTP.
- 10/25/07 In 24 hrs, well made 7 BO, 370 BW & 3 MCF w/279 FAP.
- 11/16/07 In 24 hrs, well made 6 BO, 373 BW & 6 MCF w/31 FAP. Final Report.