

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

Form C-103  
June 19, 2008

RECEIVED

CONSERVATION DIVISION

OCT 02 2009

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

HOBBSOCD

WELL API NO. 30-025-08708
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: Eunice Monument South Unit
8. Well Number 307
9. OGRID Number 005380
10. Pool name or Wildcat Eunice Monument; Grayburg-San Andres

**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"/>
2. Name of Operator XTO Energy, Inc.
3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701
4. Well Location Unit Letter <u>F</u> : <u>1980'</u> feet from the <u>North</u> line and <u>1980'</u> feet from the <u>West</u> line Section <u>11</u> Township <u>21S</u> Range <u>36E</u> NMPM County <u>Lea</u>
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 PU. MI & rack 4000' of 2-7/8" N-80 WS. ND WH. NU BOP. Unset packer & POOH with IPC tubing and packer.
- PU & RIH with 4-3/4" bit & space out scraper to remain in cased hole only on 2-7/8" WS. Tag for fill. POOH with tubing & LD scraper and bit.
- PU & RIH w/Sonic Hammer on 2-7/8" tubing to 3700'. RU stripping head.

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 9/28/09  
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):



**EMSU #307 WIW**  
**Clean Out and Stimulation Procedure**  
**Lea County, New Mexico**  
**September 28, 2009**

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**ELEVATION:** TD – 3878' KB – 3572'

**WELL DATA:**

Current Status: Injecting. Current Inj Rate and Pressure: 170 bwipd at 668 psig

Surface Casing: 10-3/4". Set at 230'. Cemented with 155 sx. TOC at surface.

Int. Casing: 7-5/8" 26 ppf. Set at 1358'. Cemented with 300 sx. TOC at surface.

Prod. Casing: 5-1/2" 17 ppf. Set at 3700'. Cemented with 200 sx.  
TOC at 1171' by temperature survey.

Openhole: From 3700 – 3878'

**COMPLETION:**

Open Hole:	3700 – 3716'	Zone 2	(16')
	3716 – 3744'	Zone 2A	(28')
	3744 – 3777'	Zone 3	(33')
	3777 – 3820'	Zone 4	(43')
	3820 – 3864'	Zone 5	(44')
	3864 – 3878'	Zone 6	(14')

**OBJECTIVE:** Clean Out and Sonic Hammer Stimulation; RWTI

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**RECOMMENDED PROCEDURE**

*(Verify that anchors have been set and tested per NM OCD and OSHA guidelines)*  
***This is a STATE well.***

4. MIRU acid company. Test lines to 3000 psig.
5. SH open hole from **3700' down to 3878'** with **140 bbls brine** (approximately 45bbls per stand) while circulating to reverse pit (pit should have screen to catch solids). Circulate hole clean. Send samples of solids to Multichem for analysis. Close in backside and Sonic Hammer open hole from **3878' up to 3700'** with **5000 gals** (approximately 40 bbls per stand) **20% 90/10 NEFE acid** with a max pressure of **3000 psig on tubing** and 500 psig on backside.
6. Flush acid with 40 bbls brine water. Drop ball to shift sleeve in tool. RDMO acid co.



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7. RU swab and swab back acid load. RD swab. POOH with tubing and LD sonic hammer.
8. RIH with 5-1/2" injection packer and on/off tool with 1.781" profile nipple on 2-3/8" IPC tubing. Set Packer at 3640'. Circulate TCA with packer fluid.
9. Notify NMOCD for witnessing of MIT. Record pressure on a chart and send to OCD. Perform MIT to 500 psig for 30 min.
10. Establish an injection rate and shut-in well. ND BOP. NU WH. RDMO PU. **RWTI.**
11. Run injection profile after injection rate and pressure stabilizes but no later than 1 month after converting.