

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88249  
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

OCT 14 2009

HOBBSDOCD

CONSERVATION DIVISION

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

WELL API NO. 30-025-34140
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 652
9. OGRID Number 005380
10. Pool name or Wildcat Eunice Monument; Grayburg-San Andres
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	2. Name of Operator XTO Energy, Inc.	3. Address of Operator 200 N. Loraine, Ste. 800 Midland, TX 79701	4. Well Location Unit Letter 0 : 84' feet from the South line and 1445' feet from the East line Section 5 Township 21S Range 36E NMPM County Lea
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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, Run Liner, Perf & Reactivate ☒

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 PU. MI & rack 4000' of 2-7/8" N-80 WS. NU BOP. Load & test backside to 500 psig.
2. RU rev unit. PU & RIH w/6-1/8" bit, DC's, & 2-7/8" WS. DO CIBP @ 3752' & CIBP @ 3790'. Circulate hole clean & POOH.
3. PU & RIH w/4-1/2", 11.6#, J-55 partial liner (float shoe, shoe joint, FC, hanger, liner pkr, & TBS), on WS to set liner from 3455'-3978'. Be sure & slow down @ 3799'. Continue running slowly to TD @ 3978'. PUH 5'. Land liner from 3450'-3973'.

Procedure Cont'd. on next page.

Spud Date:

Rig Release Date:

Conditions of Approval:

OCD requires the Operator to complete a 24 hours production test and submit on form C-104 Request for Allowable before producing this well. Accompanied by Subsequent report on C-103 with dates and what was done, perms producing from, along with tubing size and depth

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 10/07/09  
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 29 2009  
Conditions of Approval (if any):



**Reactivation, Run Liner, OAP, Stimulation Procedure**  
**Lea County, New Mexico**  
**October 7, 2009**

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**ELEVATION:**            GL – 3577'                    TD – 3978'  
                              KB – 3583'                    PBTD – 3752' (CIBP)

**WELL DATA:**

Current Status:    Well is TA'd. Last production July 2003.

Surface Casing:    9-5/8" 36 ppf. Set at 589'. Cemented with 300 sx. TOC at surface.

Prod. Casing:       7" 23 ppf. Set at 3799'. Cemented with 735 sx. TOC unknown.

Open Hole:         6-1/8" from 3799 – 3978'

**COMPLETION:**

CIBP @ 3752' (bad casing from 3752' to 3790')

CIBP @ 3790'

Open Hole:            Grayburg 2                    3799 – 3845'                    (46')

                              Grayburg 2A                   3845 – 82'                        (37')

                              Grayburg 3                    3882 – 3929'                    (47')

                              Grayburg 4                    3928 – 3978'                    (50')

**OBJECTIVE:**                    **Reactivation: Clean Out, Run Liner, Perforate, and Breakdown**

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**RECOMMENDED PROCEDURE**

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

4. MIRU Halliburton for squeeze. Attempt to gain circulation with FW. M&P cement as follows:
  - a. 70sx (order out 100 sx) Class C + loss circulation, low fluid loss control, and other additives. Please see attached procedure from Halliburton.
  - b. Displacement: Drop pipe dart and displace to top of liner w/FW. Press dart to 1,200 psig surf press. Pmp dart and wiper plug to float collar w/FW. Bump plug. Pull out of liner. Set pkr. PU off hanger and reverse out to clean up. POOH with WS and LD liner hanger setting tool.
5. RDMO. Leave well shut in as per Halliburton's recommendation to let cement cure.



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6. PU and RIH with 6-1/8" bit and DC's on 2-7/8" WS and tag TOC above liner. DO cement to top of liner @ 3450'. Test casing to 500 psig. POOH with WS and bit.
7. PU and RIH with 3-7/8" bit and DC's on 2-7/8" WS to top of liner @ 3500' and enter 4-1/2" liner. Drill out any cement in 4-1/2" liner to top of FC. Circ hole clean. Test liner and casing to 500 psig. POOH with WS and LD bit and DC's.
8. MIRU Wireline. PU and RIH with 3-3/8" logging tool and **lightly** tag PBTD (FC). Run CBL, CCL, GR, and CNL (run logs under 1000 psig from PBTD to top of liner). Report results to Midland. POOH with logging tool.
9. PU and RIH with 3-1/8" casing gun and perforate the following intervals at **4 spf, 90 degree phasing**, and premium charges. Correlate depths with *Compensated Z-Densilog, Compensated Neutron, GR, Caliper, CCL log run on 1/21/1998 by Western Atlas*. POOH with tools and RDMO WL company.
  - a. **3862 – 3870'                      8', 32 holes**
10. PU and RIH with 4-1/2" RBP and treating packer on 2-7/8" WS to 3900'. Set RBP at 3900'. MIRU acid/pumping company. Test lines to 3000 psig. Test tools to 1000 psig. PUH and set packer at 3810'.
11. Load and monitor TCA during job. Breakdown perfs **3862 – 3870'** by pumping 1250 gals double inhibited 15% 90/10 acid/xyl. Over flush with 5 bbls fresh water.
12. Shut well in for 1.5 hours to let acid spend. RDMO acid/pumping company.
13. RU swab and swab back acid load. Report results to Midland.

***Decision will be made to pump test perf interval 3862-70' from swab results. If decision is made to pump test perf interval proceed with step 15. If decision is made to proceed with adding the second interval, skip down to step 18.***

14. MIRU pumping company. Squeeze perfs with scale inhibitor per Mutli-Chem's recommendation down tubing in 4 stages dropping rock salt for diversion between each stage. Start with 300 lbs rock salt and adjust as necessary. Treatment should be designed from results of swab test. Flush per Multi-Chem's recommendation. RDMO pumping company. SI for 48 hours.
15. Release packer and retrieve RBP. POOH LD 2-7/8" WS, packer, and RBP. RIH with production equipment based on a rate derived from flow/swab results.
16. ND BOP. NU WH. Put well in test and RWTP. RDMO PU.



**Reactivation, Run Liner, OAP, Stimulation Procedure**  
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*Step 18 below is if decision is made to add second interval before pump testing due to unproductive 3862-70' interval.*

17. Release packer and retrieve RBP. PUH and set RBP at 3850'. POOH with 2-7/8" WS and packer.
18. MIRU Wireline. PU and RIH with 3-1/8" casing gun and perforate the following intervals at **4 spf, 90 degree phasing**, and premium charges. Correlate depths with *Compensated Z-Densilog, Compensated Neutron, GR, Caliper, CCL log run on 1/21/1998 by Western Atlas*. POOH with tools and RDMO WL company.
  - a. **3815 – 3825'**                      **10', 40 holes**
19. PU and RIH with 4-1/2" treating packer on 2-7/8" WS to 3850'. MIRU acid/pumping company. Test lines to 3000 psig. Test tools to 1000 psig. PUH and set packer at 3775'.
20. Load and monitor TCA during job. Breakdown perfs **3815 – 3825'** by pumping 1500 gals double inhibited 15% 90/10 acid/xyl. Over flush with 5 bbls fresh water.
21. Shut well in for 1.5 hours to let acid spend. RDMO acid/pumping company.
22. RU swab and swab back acid load.
23. MIRU pumping company. Squeeze perfs with scale inhibitor per Mutli-Chem's recommendation down tubing in 4 stages dropping rock salt for diversion between each stage. Start with 300 lbs rock salt and adjust as necessary. Treatment should be designed from results of both swab tests. Flush per Multi-Chem's recommendation. RDMO pumping company. SI for 48 hours.
24. Release packer and retrieve RBP. POOH LD 2-7/8" WS, packer, and RBP. RIH with production equipment based on a rate derived from flow/swab results.
25. ND BOP. NU WH. Put well in test and **RWTP**. RDMO PU.