

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
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 1301 W. Grand Ave., Artesia, NM 88270  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

**RECEIVED**  
**OCT 27 2008**  
**HOBBS (II)**

State of New Mexico  
 Energy, Minerals and Natural Resources  
 CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 June 19, 2008

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-025-34845
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		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: Eunice Monument South Unit
4. Well Location Unit Letter <u>L</u> : <u>2490'</u> feet from the <u>South</u> line and <u>184'</u> feet from the <u>West</u> line Section <u>31</u> Township <u>20S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number 554
		9. OGRID Number 005380
		10. Pool name or Wildcat Eunice Monument; Grayburg-San Andres
		11. Elevation (Show whether DR, RKB, RT, GR, etc.)

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> OTHER: Clean Out & Acid Stimulate <input checked="" type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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.

See Attached for Procedure.

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 10/23/08  
 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 DC DISTRICT SUPERVISOR/GENERAL MANAGER DATE NOV 03 2008

Conditions of Approval (if any):



EMSU #554

**LEA COUNTY, NEW MEXICO**

**Foamed Acid Stimulate**

**October 22, 2008**

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**ELEVATION:**                    GL – 3,531’                    TD – 3,940’  
    KB – 3,537’                    PBD – 3,936’

**WELL DATA:**

Current Status:      Down due to rod part.  
                                      Last Well Test: 10/12/08 - 11 bopd / 146 bwpd / 1 mcfpd

Surface Casing:      9-5/8” 36# K-55. Set at 501’. Cmmt’d with 35 sx. Circulated.

Prod. Casing:         7” 20# K-55. Set at 3,939’. Cmmt’d with 875 sx. Circulated.

**COMPLETION:**

Perforations: 3,706 – 11’	Grayburg 2	(Squeezed)
3,717 – 30’	Grayburg 2	(3 spf, 39 holes)
3,748 – 52’	Grayburg 2A	(3 spf, 12 holes)
3,758 – 65’	Grayburg 2A	(3 spf, 21 holes)
3,773 – 78’	Grayburg 2A	(3 spf, 15 holes)
3,784 – 93’	Grayburg 3	(3 spf, 27 holes)
3,799 – 3,806’	Grayburg 3	(3 spf, 21 holes)
3,814 – 20’	Grayburg 3	(3 spf, 18 holes)
3,847 – 50’	Grayburg 4	(3 spf, 9 holes)
3,862 – 66’	Grayburg 4	(3 spf, 12 holes)
3,876 – 80’	Grayburg 5	(3 spf, 9 holes)
3,896 – 3,900’	Grayburg 5	(3 spf, 12 holes)
3,918 – 25’	Grayburg 5	(3 spf, 21 holes)

**OBJECTIVE:                    Clean Out and Acid Stimulate Well**

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**RECOMMENDED PROCEDURE**

*(Prior to stimulation, collect oil sample from well for compatibility test. Verify that anchors have been set and tested per NM OCD & OSHA guidelines)*

*This is a STATE well*

1.      MIRUPU. MI and rack 4,000’ of 2-7/8” J-55 WS. POOH w/ rods and pump. ND WH. NU BOP. RIH and check for fill.



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2. MIRU Scanalog. POOH w/ production tbg and scanalog tbg while POOH.
3. PU workstring and RIH w/4-3/4" bit on 2-7/8" WS to TD. Clean-out well to +/- 3,936' if necessary. Circulate clean and POOH.
4. PU and RIH w/5-1/2" treating packer on 2-7/8" WS. **Test WS in hole to 5,000 psi below slips.** Set packer at 3,650' and test BS to 500 psi. Unset packer and RIH and set at +/- 3,712'.
5. If gas at Satellite 2 is too high in CO2 content, continue on without the use of CO2 in procedure.
6. MIRU Cudd acid/pumping company and TeamCO2 and pressure test lines to 5,000 psi.
7. Load backside with 2% KCL and test to +/- 500 psi. Hold 500 psi during job.
8. Pump 6,000 gals 20% AcidTol and 77 tons of 75% foam quality CO2 with ~3,000 lbs rock salt (adjusted after each stage) in 6 stages per the attached pumping schedule. **Maximum treating pressure should be 4,000 psi. Attempt to achieve 10 bpm. Monitor backside for communication. Flush to bottom perf.** Once flush is achieved, shut well in for 1-2 hours to let acid spend. RDMO acid/pumping company and TeamCO2.
9. Flow back or RU swab and swab back acid load (if needed). Determine flow rate and oil cut. Report results to Midland.
10. POOH w/ packer and workstring.
11. RIH with production tbg, rods, and pump. Production equipment should be designed for ~450 bfpd or better estimate based on swab results. ND BOP. NU WH. Put well in test and RWTP. RDMOPU.

# Eunice Monument So. Unit #554 Wellbore Diagram

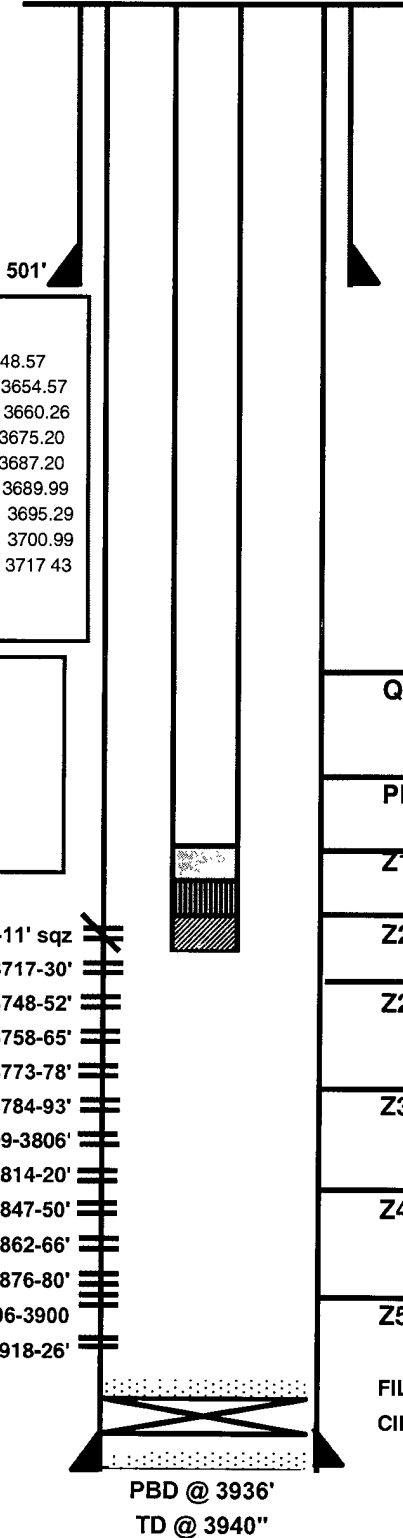
LEASE: EMSU	WELL 554	FIELD: Eunice-Monument	API: 30-025-34845
LOC: 2490 FSL & 184 FWL, Unit	SEC: 31	BLK: T20S, R37E	REF NO: BY4279
SVY: N.M.P.M.	GL: 3531'	CTY/ST: Lea / NM	SPUD: 3/12/2000
CURRENT STATUS: Prod	KB: 3537'	DF: 3536'	TD DATE: 3/24/2000

9-5/8", 36# Csg K-55  
set @ 501'  
w/35%/65% POZ 200 sx  
150 sx cl "C" cmt.  
Cmt Circ? Yes (140 SX)  
TOC @ surf. by circ.  
(12-1/4" hole)

**Tubing Detail: 5/23/2000**

116 jts 2-7/8" 6.5# J-55	3648.57
1 2-7/8" tbq sub	3654.57
1 25 stg TD 1750 ESP pmp	3660.26
1 87stg TD 1750 ESP pmp	3675.20
1 67 stg TD 1750 ESP pmp	3687.20
1 PGS gas seperator	3689.99
1 TR4 - seal	3695.29
1 TR4 - seal	3700.99
1 90 hp motor	3717.43

**Rod Detail:**  
N/A



**Date Completed: 5-23-2000**  
**Initial Prod: P 28 BOPD/ 412 BWPD/ 38 MCFPD**  
**Initial Formation: Grayburg From: 3717 To: 3926'**

**Completion Data:**  
5-10-2000 RIH & tag @3889'. DO FC to 3891 & fell thru to 3936'. Pickle tbq w/ 1000 gals 15% HCl. Spot 500 gals 15% NEFE HCl f/ 3927-3620'. RIH tag TD @ 3939'. Set CIBP @ 3936'. Run SBT/CBL/GR/CCL f/ 3934-3000'. Poor bond to 3630'. Perf w/3 SPF, 120 deg phs'g 3706-11'. Set pkr @ 3724. Tst csg & CIBP to 1000# w/ no bleed off. Reset pkr @ 3716' & spot 100 gals 15% NEFE HCl across perfs. Reset pkr @3654'. Brk dwn perfs @.3 BPM w 1000# TP. Spot 900 gals 15% NEFE HCl, brk dwn perfs. Swab. SQZ'd perf w/ 75 sx cl "C" cmt. RIH, tag @ 3572. DO cmt to 3725. Tag fill @ 3920' & wash fill to 3934'. Perf 3 SPF @ 120 deg phs'g 3717-30', 3748-52', 3758-65', 3773-78', 3784-93', 3799-3806', 3814-20', 3847-50', 3862-66', 3876-80', 3896-3900', & 3918-26'. Acdz perfs w/ 3500 gals 15% NEFE HCl dropping 350 1.1 ball sealers. Swab. Acdz perfs 3717-3926' w/ 6000 gals 15% NEFE HCl 50Q CO2, dropping 200 7/8" 1.1 SG ball sealers. Last swab made 5 runs, EFL - 2400'. Rec'd 20 bbls w/ 12% OC, good gas blow. RIH w/ ESP DT 1750 sub pmp w/ 179 stages & 90 hp mtr, 116 jts w/ #6 rd cable. Intake @ 3687', BOP @ 3717'.

**Additional Data:**  
T/Rustler @ 1037'  
T/Salado @ 1149'  
T/Tansil @ 2485  
T/Yates @ 2708'  
T/Seven Rivers @ 2917'  
T/Queen @ 3320'  
T/Penrose @ 3468'  
T/Grayburg Zone 1 @ 3657'  
T/Grayburg Zone 2 @ 3696'  
T/Grayburg Zone 2A @ 3739'  
T/Grayburg Zone 3 @ 3780'  
T/Grayburg Zone 4 @ 3824'  
T/Grayburg Zone 5 @ 3898'

FC @3889'

FILE: EMSU554WB.xls  
DLMc: 10/5/2000

7", 20#, K-55,STC csg  
set @ 3939' w/ 875 SX cl "C" cmt  
Cmt. Circ? 160 SX  
TOC @ surf. by circ.  
(8-3/4" hole)

FILL TO 3934'  
CIBP @ 3936'

PBD @ 3936'  
TD @ 3940"