

District III

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

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

Form C-103

May 27, 2004

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.)		WELL API NO. 30-025-01544
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. B-2516
3. Address of Operator 200 N. Loraine, Suite 800, Midland, Texas 79701		7. Lease Name or Unit Agreement Name SEMGSAU
4. Well Location Unit Letter <u>E</u> : 1980 feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line Section <u>29</u> Township <u>17S</u> Range <u>33E</u> NMPM Lea County New Mexico		8. Well Number <u>402</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4073' DF		9. OGRID Number <u>005380</u>
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type <u>Steel</u> Depth to Groundwater <u>168'</u> Distance from nearest fresh water well <u>1000+</u> Distance from nearest surface water <u>1000+</u>		
Pit Liner Thickness: <u>mil</u> Below-Grade Tank: Volume <u>bbls</u> Construction Material <u></u>		

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

NOTICE OF INTENTION TO:

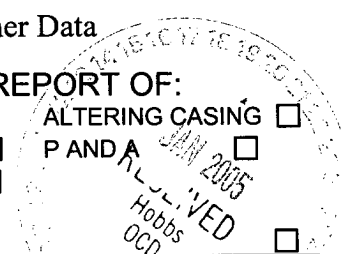
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

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.

- 12/14/04** MIRU Key Energy Services PU (Louis). Worked to unseat pmp. POOH w/rods & pmp. Rod couplings & rods worn. ND wellhead. NU BOP. POOH w/132 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbq, SN, PS & BPMA (no BP on MA, btm 1/2 of MA extremely corroded). RIH w/4-1/8" bit & 4-1/8" csg scraper on 2-3/8" tbq. Hit tight spot @ 4,085' & fill @ 4,128' (162' fill). POOH to top of liner w/2-3/8" tbq & tools. SWI & SDON. MIRU Smith Services rev unit & 2-3/8" N-80 workstring. SWI & SDON.
- 12/15/04** POOH w/2-3/8" tbq & tools. PU & RIH w/4-1/8" bit & 4-3-1/8" DCs on 2-3/8", 4.7#, N-80, EUE, 8rd tbq. Tagged fill @ 4,135' & est circ w/340 BW. Drld sd, form & scale to 4,170'. Std getting metal returns (RBP drag blocks) & quit making hole. Circ hole clean. POOH w/2-3/8" tbq & tools. Std RIH w/4-1/8" x 3-3/4" globe basket assembly & 4-3-1/8" DCs on 114 jts 2-3/8" tbq. Left tools swinging @ 3,700'. SWI & SDON.
- 12/16/04** Fin RIH w/4-1/8" x 3-3/4" globe basket assembly & 4-3-1/8" DCs on 128 jts 2-3/8", 4.7#, N-80, EUE, 8rd tbq. Tagged fill @ 4,170'. RU swivel & est circ w/100 BW. Milled fr 4,170' - 4,285' (PBD). Rec sd, small amount of scale & metal. Circ hole clean for 1 hr. POOH LD 2-3/8" tbq & DCs. Rec 5 RBP drag blocks, block springs, slip & BP. MI & rack 20 jts 2-7/8", 6.5#, N-80, EUE, 8rd tbq & 110 jts 3-1/2", 9.2#, N-80, EUE, 8rd tbq. SWI & SDON.

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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 DeeAnn Kemp TITLE Regulatory Tech DATE 1/15/05

Type or print name DeeAnn Kemp E-mail address:

For State Use Only

Telephone No. 432-620-6724 **JAN 26 2005**

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE

Conditions of Approval (if any):

- 12/17/04** RU pipe tsters. Press tstd 2-7/8" & 3-1/2" tbgs to 5,000 psig below slips. PU & RIH w/5" pkr, 6 jts - 2-7/8", 6.5#, N-80, EUE, 8rd tbgs & 117 jts 3-1/2", 9.2#, N-80, EUE, 8rd tbgs to 3,882'. RD tbgs tsters. Set pkr @ 3,882'. MI & RU BJ Acid services. Loaded TCA w/38 BW & pressd to 500 psig, monitored during treatment. Began acid treatment. With 3,000 gals acid pmpd, tbgs swedge began to leak. SD acid treatment. Pmpd 4 bbls 10# brine to clear tbgs valve. Attempted to tighten swedge, could not. Attempted to bleed tbgs dn to tst tank, began getting acid returns. Pmpd 44 bbls 10# brine dn 3-1/2" tbgs @ 1.5 BPM @ 1,980 psig. SWI & SDON. Will allow press to bleed dn overnight, change out tbgs swedge & re-treat Grayburg perms in a.m.
- 12/18/04** SITP vac. RU BJ Acid services. Changed out tbgs swedge. Acidized Grayburg perms (4,051' - 4,240') w/6,000 gals 15% One Shot acid & 1,400# rock salt in 10# gelled brine @ 7.4 BPM & 2,750 psig. W/2nd stage rock salt on form, press climbed on TCA. Left TCA venting during remainder of acid job. ISIP - 2,265 psig. Max/Min press 3,087/1,748 psig. Observed good divert action w/rock salt. RD BJ Acid Services. SDF 2 hrs. 1,200 psig SITP, 900 psig TCA. Opened well to tst tank & flwd 27 BW in 1.5 hrs. Rel pkr & POOH w/tbgs & pkr. Suspect pkr set in csg collar. Pkr rubbers chipped indicating pkr in collar also. 91 BLWTR. SWI & SDON.
- 12/19/04** RU pipe tsters. Press tstd 2-7/8" & 3-1/2" tbgs to 5,000 psig below slips. PU & RIH w/5" pkr, 6 jts - 2-7/8", 6.5#, N-80, EUE, 8rd tbgs & 118 jts 3-1/2", 9.2#, N-80, EUE, 8rd tbgs to 3,912'. RD tbgs tsters. Set pkr @ 3,3912'. RU pmp trk. Loaded TCA w/3 BW & press tstd to 500 psig for 15", held ok. Pmpd 25 BW dn 2-7/8" tbgs. RD pmp trk. MI & RU BJ Frac Services. Monitored TCA during treatment. Press tstd lines to 5,600 psig. Held safety mtg. Frac'd Grayburg perms ((4,051' - 4,240') w/30,000 gals Lightning 3000, 30# x-linked gel & 71,500# Ottawa sd (63,200# Ottawa & 8,300# FlexSand) @ 34.4 BPM @ 4,417 psig. Max/Min press 4,800/4,250 psig. Flushed to top perf. ISIP 3,280 psig, 5" SIP 2,223 psig, 10" SIP 2,219 psig, 15" SIP 2,229 psig. RD BJ Frac Services. 848 BLWTR. SWI & SDON.
- 12/20/04** SDF Sunday.
- 12/21/04** SITP - vac. RU swab equipment. BFL 1,000' FS. Made 28 runs in 7 hrs & rec 6 BO & 122 BW. EFL 3,200' FS. RD swab. 726 BLWTR. Rel pkr & POOH w/3-1/2" tbgs, 2-7/8" tbgs & pkr. SWI & SDON.
- 12/22/04** RU Gray WL. RIH w/4" csg gun & perfd 3,944', 3,946', 3,948', 3,950', 3,952', 3,954', 3,956', 3,958', 3,960', 3,964', 3,966' & 3,968' (24', 12 holes) using 1 JSPF w/120 degree phasing. Correlated perms to Welex Micro-seismogram log dated 02/21/79. POOH w/WL & RD Gray. RU pipe tsters. Tstd tbgs to 5,000 psig below slips. RIH w/5-1/2" RBP, 5-1/2" pkr, 8 jts 2-7/8", 6.5#, N-80, EUE, 8rd tbgs & 3-1/2", 9.2#, N-80, EUE, 8rd tbgs to 4,002'. RD pipe tsters & RU BJ Acid Services. Set RBP @ 4,002' & pkr @ 3,992'. Loaded tbgs w/10 BW & press tstd RBP to 2,000 psig for 5", held ok. Rel pkr & loaded hole w/51 BW. POOH w/pkr to 3,968'. Spotted 3 bbls 15% NEFE HCL acid to end of tbgs. POOH w/tbgs & pkr to 3,820'. Rev circ 6 BW. Set pkr @ 3,820'. Pressd TCA to 420 psig & monitored during acid job. Pmpd 29 bbls 15% NEFE HCL acid @ 3.2 BPM & 3,300 psig. Dropped 4 - 7/8", 1.3 SG RNCNBS after every 4 bbls of acid, observed some ball action during treatment. Flushed acid to btm perf w/36 BW. ISIP 3,030 psig, 5" SIP 2,810 psig, 10" SIP 2,760 psig & 15" SIP 2,738 psig. Max/min press - 4,200/3,300 psig. RD BJ Acid Services & transports. SWI & SDON.
- 12/23/04** SITP 2,700 psig. Bled well to tst tank & rec 7 BW. RU swab. BFL @ surf. Made 7 swab runs in 3 hrs (Rec 26 BW) & well swabbed dry. RD swab. 57 BLWTR. SWI & SDON.
- 12/24-27/04** SDF holiday.
- 12/28/04** SITP 100 psig. RU swab. BFL @ 2,000' FS. Made 3 swab runs & swabbed well dry. Rec 14 BW. SDF 1 hr & made 1 swab run, no fluid entry. EFL 3,700' FS. RD swab. Rel pkr & RIH w/5jts 3-1/2" to 3,980'. POOH w/5 jts 3-1/2" & set pkr @ 3,820'. RU Key pmp trk. Loaded TCA & press to 500 psig, held ok. RD pmp trk. RU swab. BFL @ 700' FS. Made 8 swab runs in 6 hrs & rec 22 BW. RD swab. EFL @ 3,700'. SWI & SDON.
- 12/29/04** MI & RU BJ Frac Services. Monitored TCA during treatment. Press tstd lines to 6,000 psig. Held safety mtg. Frac'd Grayburg perms (3,944' - 3,968') w/11,500 gals Lightning 3000, 30# x-linked gel & 5,567# Ottawa sd @ 20.0 BPM & 4,700 psig. Frac sanded out while pmping 3#/gal sd. Max/Min press 4,600/5,500 psig. ISIP 4,515 psig. 4,400# sd est to be in tbgs. RD BJ Frac Services. 1 hr SITP 2,500 psig. Bled well dn to tst tank. In 5 hrs, well flwd 80 BW on 18/64" choke.

200 BLWTR. SWI & SDON.

- 12/30/04** SITP 1,800 psig. Opened well up to 18/64 on choke & flowed well back to tst tk fr 7:00 a.m. to 9:00 a.m.. Rec 18 bbls of wtr before well blew dwn. MI & RU BJ Coil Tbg Unit. Attempted to put injector on top of tbg, 1-1/2" tbg would not come off reel. SWI & SDON. BJ will to make repairs to coil tbg unit.
- 12/31/04** RU on 3-1/2" tbg w/coil tbg equip. RIH w/1-1/2" coiled tbg into 3-1/2" workstring. Washed sd fr surf to 4,008'. Circ 90 BW fr btm & std POOH w/1-1/2" coild tbg. RD BJ Coil tbg unit. Rel pkr & latched onto RBP. POOH LD 3-1/2" tbg, 2-7/8" tbg, pkr & RBP. SWI & SDON.
- 1/1-3/05** SDF Holiday.
- 1/4/05** RIH w/2-3/8" notched collar on 2-3/8", 4.7#, J-55, EUE, 8rd tbg to 4,070' & tagged sd fill. POOH w/2-3/8" tbg & collar. RIH w/sd bailer on 2-3/8" tbg. Cleaned sd fr 4,070' to 4,192' & quit making hole. POOH w/2-3/8" tbg & bailer. Cleaned equip. RIH w/sd bailer on 2-3/8" tbg to 3,500' & left tools swinging. SWI & SDON.
- 1/5/05** Fin RIH w/sd bailer on 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Tagged sd @ 4,192'. Cleaned sd fr 4,192' to 4,250' & quit making hole. POOH w/2-3/8" tbg & bailer. Cleaned equip. RIH w/sd bailer on 2-3/8" tbg to 4,250' & cleaned sd to 4,280'. POOH w/2-3/8" tbg & sd bailer. RIH w/2-3/8" OE tbg to 3,600'. SWI & SDON.
- 1/6/05** SITP 150 psig. Had problems getting well to blow dn. RU Key pmp trk & pmpd 50 bbls 9# brine dn TCA. Fin RIH w/2-3/8" OE tbg to 4,100'. RU Basin Scanalog Unit. POOH w/132 jts 2-3/8" tbg. Scanalog indicated 62 jts BB, 67 jts GB, & 3 jts RB. RD Basin Scanalog unit. LD entire prod string. MI & rack 135 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Well continued gasing during day, kept wtr trickling dn TCA. Std RIH w/BP, 2 jts 2-3/8" tbg, Cavins de-sander, 6' tbg sub, SN & 13 jts 2-3/8" tbg. RD Key pmp trk. SWI & SDON.
- 1/7/05** SITP 100 psig. RU Key pmp trk & pmpd 30 bbls 9# brine dn TCA. Fin PU & RIH w/BP, 2 jts 2-3/8" tbg, Cavins de-sander, 6' tbg sub, SN, 1 jt 2-3/8" IPC tbg, 17 jts 2-3/8" tbg, TAC & 115 jts 2-3/8" tbg. ND BOP. Set TAC w/17 pts tension. NU wellhead. RIH w/151 - 3/4" sucker rods. POOH LD 3/4" sucker rods. MI new rods & K-bars. Std PU & RIH w/1-1/2" pmp, 8 - 1-1/4" K-bars & 32 - 3/4" sucker rods. RD Key pmp trk. SWI & SDON.
- 1/8/05** SITP 0 psig. Fin PU & RIH w/2.0" x 1.50" x RHBC pmp (SN #XT0120), 7/8" x 4" stabilier rod, 8 - 1/1/4" K-bars, 6 - 3/4" D-78 sucker rods, 12 - 3/4" D-78 sucker rods w/rod guides, 139 - 3/4" D-78 sucker rods, 2 - 3/4" x 6' pony rods, 3/4" x 4' pony rod & 1-1/4" x 16' polish rod. SWO & HWO. RU Key pmp trk. Loaded 80 bbls 2-3/8" tbg w/5 BW. Pressd tbg to 500 psig in 3 strokes, held ok. RD Key pmp trk. RDMO PU. RWTP.
- 1/10/05** In 24 hrs, well pmpd 48 BO, 74 BW & 10 mcf w/1-1/2" pmp @ 12 SPM & 54" SL. 100% run time.

JAN 2005
RECEIVED
80 bbls
RD