

New Mexico Oil Conservation Division, District I

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1625 N. French Drive
Albuquerque, NM 88240

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
XTO Energy Inc.

3a. Address
200 North Loraine, Suite 800, Midland, Tx 79701

3b. Phone No. (include area code)
432-620-6724

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit 1tr F, 1980' FNL & 1980' FWL
23 miles East of Loving, NM

DEC 16 2004

RECEIVED

5. Lease Serial No.

NM 18848

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SDE 31 Federal 4

9. API Well No.

30-025-32716

10. Field and Pool, or Exploratory Area
Triste Draw Delaware, West

11. County or Parish, State

Sec 31, T-23-S, R-32-E

Lea Co., NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other add Lower Brushy Canyon perfs
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/19/04 Tstd anchors. MIRU Pool Well Services PU (Lozano). RU Key pmp trk. ND WH. NU BOP. POOH w/184 jts 2-7/8", 6.5#, J-55, EUE, 8rd tbg. Had difficulties getting some tbg connections to break. SWI & SDON.

10/20/04 Fin POOH w/88 jts 2-7/8", 6.5#, L-80, EUE 8rd tbg. Found plunger stuck in SN due to scale & salt build up. RIH w/4-3/4" bit, x-over & 5-1/2" csg scraper on 267 jts 2-7/8" tbg to 8,530'. RU Basin Scanalog. POOH w/2-7/8" tbg & tools. Scanalog results indicated 2 bent jts, 1 GB jt & 264 YB jts. RD Basin Scanalog. RIH w/40 jts 2-7/8" OE tbg. SWI & SDON.

10/21/04 POOH w/2-7/8" kill string. RU Key pmp trk. RU Gray Wireline Service. RIH w/5-1/2" CIBP set @ 8,500'. POOH w/WL. RIH w/dump bailer & dumped 20' of sand on CIBP. POOH w/WL. RIH w/3-1/8" csg gun & perf'd 8,326' - 8,332' (6', 6 holes), 8,250' - 8,262' (12', 12 holes) & 8,208' - 8,218' (10', 10 holes) w/1 JSPF. RD Gray Wireline Service. Chg'd out rams on BOP for 3-1/2" WS. RD Key pmp trk. MI & racked 8,500' of 3-1/2" tbg. SWI & SDON.

10/22/04 RU Key pmp trk to keep backside dead. RU Bo Monk Pipe Tstrs. PU & RIH w/5-1/2" AS 1X pkr & 257 jts of 3-1/2", 9.3#, L-80, EUE, 8rd WS. Press tstd WS to 7,500 psig below the slips. RD Bo Monk Tstrs. Set pkr @ 8,137'. Loaded TCA w/75 bbls 2% KCl wtr & press tstd to 500 psig for 20", held OK. RD Key pmp trk. SWI & SDON.

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

DeeAnn Kemp

Title Regulatory Tech

Signature

Date

12/8/04

DEC 13 2004

GARY GOURLEY
PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

2A Sand Dunes Bone Spring South
KZ

SDF 31 FEDERAL	Well # 04	XTO Energy Inc
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10/23/04 MI & RU Schlumberger Acid Services. RU Key transports. Press TCA to 500 psig & monitored during treatment. EIR into Lower Brushy Canyon perfs (8,208'-8,332') @ 5.0 BPM & 2,210 psig w/2% KCl wtr. Acidized Brushy Canyon perfs (8,208'-8,332') w/4,000 gals 7.5% NEFE HCl acid 5 BPM & 750 psig. After 15 bbls acid pmpd, dropped 1 - 7/8", 1.3 SG, RCNBS after each 1.5 bbls of acid. Observed good ball action during treatment w/ball out occurring w/31 balls on fmt. Flushed acid to btm perf @ 5 BPM w/80 bbls 2% KCl. ISIP 288 psig, 5" SIP 243 psig, 10" SIP 224 psig & 15" SIP 215 psig. Max/min press 3,810/680 psig. 182 BLWTR. RDMO Schlumberger & Key transports. SDF 2 hrs. SITP 185 psig. Flwd well back to test tank for 3 hrs & rec 15 BW. RU swab. Swbd 59 BW in 2 hrs. BFL @ surf. EFL @ 4,300' FS. 137 BLWTR. SION

Event Seq	Stage Desc	Vol (gal)	Rate (bpm)	Press (psig)	Comments
1	Acid	252	5.0	0.0	EIR into perfs
3	Flush	1,428	5.0	2,210.0	Loaded tbg and EIR into perfs.
					Acidized perfs dropping 1 RCNBS after every 1.5 bbl acid. Balled out and purged balls off form.
5	Acid	3,612	5.0	750.0	
7	Flush	3,360	5.0	750.0	Flushed acid to btm perf.

Ttl Gals: 8,652

10/24/04 SITP 120 psig. BFL @ 1,800'. Made 2 swab runs & rec 8 BW. Found bad spot on sandline. EFL @ 2,450'. 129 BLWTR. SD to make repairs to sandline.

10/25/04 SITP 120 psig. RU swab. BFL @ 1,800'. In 7-1/2 hrs, made 24 swab runs & rec 12 BO & 58 BW. EFL @ 8,137'. 79 BLWTR. SWI & SDON

Event Desc: Swab after acid job Top Interval: 8,208 Bottom Interval: 8,332

Time	Swab Runs	Casing Psig	Tubing Psig	Beg FL	BBLs Rec	Comments
07:30	0	120	0	1,800	0.00	SITP.
08:30	3	500	0	2,400	7.00	100% wtr.
09:30	3	500	0	2,900	7.00	100% wtr.
10:30	3	500	0	3,300	8.00	10% oil.
11:30	3	500	0	3,600	8.00	10% oil.
12:30	3	500	0	4,400	9.00	25% oil.
13:30	3	500	0	4,400	9.00	25% oil.

14:30	3	500	0	4,400	9.00	25% oil.
15:30	3	500	0	4,400	9.00	25% oil.
16:00	1	500	0	4,400	4.00	50% oil. 79 BLWTR. SWI & SDON.

Ttl
Bbls: 70.00

10/26/04 SITP 160 psig. RU swab. BFL @ 7,800'. In 7-1/2 hrs, made 24 swab runs & rec 8 BO & 19 BW. EFL @ 8,137'. 60 BLWTR. SWI & SDON

Event Desc: Swab after acid job Top Interval: 8,208 Bottom Interval: 8,332

Time	Swab Runs	Casing Psig	Tubing Psig	Beg FL	BBLs Rec	Comments
08:00	0	500	160	7,800	0.00	SITP
09:00	3	500	0	4,900	12.00	30% oil
10:00	3	500	0	7,600	7.00	30% oil
11:00	3	500	0	7,900	3.90	30% oil
12:00	1	500	0	7,800	0.00	No fluid to surface.
14:00	1	500	0	7,200	3.50	30% oil.
15:30	1	500	0	7,300	1.00	30% oil. 60 BLWTR. SWI & SDON.

Ttl
Bbls: 27.40

10/27/04 SITP 155 psig. MIRU Schlumberger frac equipment. Press tstd lines to 8,000 psig. Held safety mtg. Frac'd Lower Brushy Canyon perfs 8,208'-8,218', 8,250'-8,262' & 8,326'-8,332' (28 perfs) w/1,225 bbls J533-40 ClearFrac & 154,000# 20/40 Ottawa sd. AIR 17.3 BPM @ 1,640 psig. Max/Min press 4,909/742 psig. Flushed to top perf. Performed ISIP on pad, 270 psig. EOJ ISIP 220 psig. RDMO Schlumberger Frac Services. SITP 110 psig. Opened well to tst tank for 1 hr & flwd 10 BW. SWI & SDON.

Stimulation Zone: Canyon

Event Desc: Frac Stimulation Top Interval: 8,208 Bottom Interval: 8,332

Event Seq	Stage Desc	Vol (gal)	Rate (bpm)	Press (psig)	Comments
1	Pre-pad	5,792	7.7	726.0	Loaded tbg w/46 bbls (5,287' FL).
3	Pre-pad	3,154	19.4	4,422.0	Pre-pad ISIP 270 psig.
5	Pad	11,999	20.4	1,870.0	
7	2# sand	2,001	20.4	1,633.0	
9	3# sand	2,006	20.4	1,523.0	
11	4# sand	2,007	20.6	1,403.0	
13	5# sand	4,008	20.4	1,256.0	

15	6# sand	10,030	20.9	1,496.0	
17	8# sand	7,529	20.5	1,120.0	
19	Flush	2,936	20.3	3,764.0	ISIP 220 psig.
Ttl Gals: 51,462					

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- 10/28/04 SITP vac. RU swab. Made 1 swab run & found FL @ 100' FS. RD swab. Rel pkr @ 8,145'. POOH LD 3-1/2" tbg & pkr. RIH w/4-3/4" bit & BS on 2-7/8", 6.5#, L-80, EUE 8rd tbg. Tagged sand @ 8,045'. POOH w/10 stands tbg. SWI & SDON.
- 10/29/04 SITP vac. RIH w/bit & 2-7/8", 6.5#, L-80, EUE, 8rd tbg. Tagged sand @ 8,045'. RU Smith Services rev unit & swivel. Est circ. Cleaned sand fr 8,045' to top of CIBP @ 8,500'. Circ hole clean. RD swivel. POOH w/10 stands tbg. SWI & SDON.
- 10/30/04 SITP vac. RIH w/bit & 2-7/8", 6.5#, L-80, EUE, 8rd tbg. Tagged sand @ 8,491'. RD Smith Services rev unit & swivel. POOH w/bit & 2-7/8" tbg. RIH w/BPMS, PS, SN, 1 jt 2-7/8" IPC tbg, 6 jts 2-7/8" tbg, TAC & 241 jts 2-7/8" tbg. Set TAC w/19 pts tension. ND BOP. NU wellhead. SWI & SDON.
- 10/31/04 RIH w/1-1/4" x 12' GAC, 2.5" x 1.75" x 24' pmp (SN# XTO106), 7/8" x 4' stabilizer rod, 117 - 3/4" D-78 rods, 125 - 7/8" D-78 rods, 81 - 1" D-78 rods & 1-1/2" x 26' polish rod liner. SWO & HWO. RU Key pmp trk. Loaded tbg w/6 BW. Press tbg to 500 psig in 4 strokes, held OK. RD Key pmp trk. RDMO PU. NU wellhead & flowline. RWTP.
- 11/1/04 In 24 hrs, well pmpd 1 BO, 348 BW & 8 MCF w/1-3/4" pmp @ 6.5 SPM & 168" SL. 100% run time. FL 5,307' FAP.
- 11/3/04 In 24 hrs, well pmpd 105 BO, 324 BW & 50 MCF w/1-3/4" pmp @ 6.5 SPM & 168" SL. 100% run time. FL 5,120' FAP.
- 11/4/04 In 24 hrs, well pmpd 75 BO, 289 BW & 90 MCF w/1-3/4" pmp @ 6.5 SPM & 168" SL. 100% run time. FL 5,189' FAP. Champion Chemical working oil emulsion & worked to resolve heater treater problems.
- 11/6/04 In 24 hrs, well pmpd 74 BO, 263 BW & 100 MCF w/1-3/4" pmp @ 6.5 SPM & 168" SL. 100% run time. FL 5,189' FAP. Increased SPM to 8.5.
- 11/7/04 In 24 hrs, well pmpd 80 BO, 320 BW & 100 MCF w/1-3/4" pmp @ 8.5 SPM & 168" SL. 100% run time.
- 11/8/04 In 24 hrs, well pmpd 91 BO, 355 BW & 120 MCF w/1-3/4" pmp @ 8.5 SPM & 168" SL. 100% run time. FL 4,648' FAP.
- 11/9/04 In 24 hrs, well pmpd 64 BO, 285 BW & 100 MCF w/1-3/4" pmp @ 8.5 SPM & 168" SL. 100% run time. Well flwg up prod tbg.
- 11/12/04 In 24 hrs, well pmpd 61 BO, 220 BW & 75 MCF w/1-3/4" pmp @ 8.5 SPM & 168" SL. 50% run time. Well flwg up prod tbg. MIRU Key Energy Services PU (Eddie). Worked to unseat pmp.

Pmp stuck in open position. Stacked rods out. RU Key pmp trk. Pmpd 30 bbls 10# brine dn TCA. ND wellhead. NU BOP. Rel TAC. RIH w/3-1/2 jts 2-7/8" tbg & tagged. Had approximately 60' of suspected sand fill in perfs (124' perfs). POOH w/3-1/2 jts 2-7/8" tbg. Left tbg closed & tied csg into flowline. SDON.

11/13/04 RU Key pmp trk. Pmpd 30 bbls 10# brine dn TCA. POOH w/rods & pmp plunger. Left pmp barrel in tbg. RU swab. Swabbed tbg dn. RD swab. POOH w/2-7/8" tbg, TAC, SN & BPMA. MI RU ABC rev unit & swivel. RIH w/4-3/4" bit, x-over & 4 - 3-1/2" DCs on 2-7/8", 6.5#, L-80, EUE 8rd tbg. Left tools swinging @ 8,000'. RD Key pmp trk. SWI & SDON.

11/14/04 RIH w/4-3/4" bit, x-over & 4 - 3-1/2" DCs on 2-7/8", 6.5#, L-80, EUE 8rd tbg. Tagged sd @ 8,254'. Est circ w/640 bbls 2% KCL wtr. Was losing 1/2 BPM wtr. Washed sd to 8,350' & fell free. Tagged sd @ 8,480' & washed 20' sd to top of CIBP @ 8,500'. Circ hole for 1 hr. POOH w/2-7/8" tbg & tools to 8,180'. Left tools swinging. SWI & SDON.

11/15/04 SDF Sunday.

11/16/04 RIH w/4-3/4" bit, x-over & 4 - 3-1/2" DC's on 2-7/8", 6.5#, L-80, J-55, EUE, 8rd tbg. Tagged fill @ 8,496' (4' fill). POOH w/2-7/8" tbg & tools. LD DC's. RIH w/2-7/8" BPMA, PS, SN, 1 jt 2-7/8" IPC tbg, 6 jts 2-7/8" tbg, TAC & 249 jts 2-7/8" tbg. ND BOP. Set TAC w/19 pts tension. NU wellhead. RIH w/1-1/4" x 12' GAC, 2.5" x 1.75" x 24' pmp (SN# XTO112), 7/8" x 4' stabilizer rod, 117 - 3/4" D-78 rods, 125 - 7/8" D-78 rods, 91 - 1" D-78 rods, 1" x 2' pony sub & 1-1/2" x 26' polish rod liner. SWO & HWO. RU Key pmp trk. Loaded tbg w/22 BW. Press tbg to 500 psig in 6 strokes, held OK. RD Key pmp trk. SWI & SDON.

11/17/04 RDMO PU. RWTP.

11/20/04 MIRU Key Energy Services PU (Eddie). Unseated pmp. POOH w/rods & pmp. ND wellhead. Rel TAC. NU BOP. POOH w/2-7/8" tbg & BPMA. RIH w/Cavins sd check valve, 2 jts 2-7/8" tbg, Cavins Sand filter, 4' tbg sub, SN, 1 jt 2-7/8" IPC tbg, 6 jts 2-7/8" tbg, TAC & 248 jts 2-7/8" tbg. ND BOP. Set TAC w/16 pts tension. NU wellhead. SWI & SDON.

11/21/04 RIH w/2.5" x 1.75" x 24' pmp (SN# XTO112), 7/8" x 4' stabilizer rod, 117 - 3/4" D-78 rods, 125 - 7/8" D-78 rods, 91 - 1" D-78 rods & 1-1/2" x 26' polish rod liner. SWO & HWO. RU Key pmp trk. Loaded tbg w/18 BW. Press tbg to 500 psig in 4 strokes, held OK. RD Key pmp trk. RDMO PU. RWTP.

11/23/04 In 24 hrs, well pmpd 62 BO, 276 BW & 40 MCF w/1-3/4" pmp @ 9 SPM & 168" SL. 100% run time. FL 3,429' FAP.

11/24/04 In 24 hrs, well pmpd 110 BO, 218 BW & 99 MCF w/1-3/4" pmp @ 9 SPM & 168" SL. 100% run time. FL 210' FAP.