

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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 (APP) for such proposals.**

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
XTO Energy Inc.3a. Address  
200 N. Loraine, Ste. 800 Midland, TX 797013b. Phone No. (include area code)  
817-432-620-67404. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
330' FSL & 2310' FWL, Unit Ltr. N, Section 19, T-23S, R-32E

5. Lease Serial No.

NM-18848

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
SDE 19 Federal8. Well Name and No.  
SDE '19' Federal #39. API Well No.  
30-025-3290810. Field and Pool, or Exploratory Area  
Sand Dunes; Bone Springs,  
South11. County or Parish, State  
Lea, New Mexico

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

## TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

## TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other Reactivate  
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon Bone Springs, Add  
☐ Convert to Injection ☐ Plug Back ☐ Water Disposal Pay in Delaware

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 recompleting 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 recompleting 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 final site is ready for final inspection.)

1. MIRU. Bone Spring Interval (8610'-8650') was producing 3 bopd & 44 mcfpd. Set CIBP @ 8560' & dump 35' cmt on top of plug. Perf Delaware from 5333-65', Acldz w/4000 gal 80/20 DAD acid & 500# rock salt, AIR 2 bpm @ 1500 psi, ISIP 1243 psi, 15 min 300 psi, pumped zone for 3 weeks. Non Productive.

2. TIH w/cement retainer. Set @ 5246. Squeeze Delaware perfs w/70 sx CL C + add F/B 130 sx CI C neat, left 11 sx below retainer.

3. Drill up CIGR @ 5246'. Circ clean, DO CIBP & cmt @ 8530, TIH to 8894'. Circ clean.

4. (Bone Spring Frac) Acldz BS perfs (8610'-50') w/3000 gal 15% & 60 RCNBS, AIR 6.5 BPM @ 2737 psi, ISIP 1020 psi, Swab, FE 3 BPH @ 50% Oil cut, Frac BS w/27000 gal YF135ST carrying 56,000# 20/40 sand down 3 1/2" WS, AIR 20.8 BPM @ 3273 psi, ISIP 1598 psi, 15 min 1045 psi.

5. (LBC Frac) Perf LBC (8220'-8340'), Acldz w/4000 gal 7 1/2% HCL & 60 RCNBS, AIR 5 BPM @ 2737 psi, ISIP 1020 psi, Swab, FE 3 BPH @ 50% Oil cut, Frac BS w/27000 gal YF135ST carrying 56,000# 20/40 sand down 3 1/2" WS, AIR 20.8 BPM @ 3273 psi, ISIP 1598 psi, 15 min 1045 psi.

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

Kristy Ward

Title

Regulatory Analyst

Date 05-22-07

JUN - 5 2007

LES BABYAK

PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Date

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.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

**SDE '19" Federal #3**

**Reactivate Bone Springs, Add Pay in Delaware**

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5. Cont'd - . 24,000# 20/40 Super LC @ 18.5 bpm & 1169 psi, ISIP 451 psi.
6. (Middle BC Frac) Perf MBC (7574-7710), Acdz w/ 4000 gal 7 1/2% HCL & 100 RCNBS, AIR 5.1 BPM, balled out with 85 BS on perfs, 7% OC on swab, Frac MBC w/ 4000 gal W54, 1000 gal 5% KCL spacer, 35000 gal Clearfrac & 5900 gal WF130 containing 90,000# 20/40 Jordan & 24,000# 20/40 Super LC @ 18.3 psi & 1169 psi, ISIP 368 psi.
7. (1st UBC Frac) Perf UBC (7220-7424), Acdz w/ 3000 gal 7 1/2% HCL & 30 RCNBS, AIR 5.5 BPM, balled out with 20 BS on perfs, Trace OC on swab, Frac UBC w/ 2500 gal W54, 1000 gal 5% KCL spacer, 18000 gal Clearfrac & 6840 gal WF130 containing 40,500# 20/40 Jordan & 30,000# 20/40 Super LC @ 25.4 BPM & 1299 psi, ISIP Vac.
8. (2nd UBC Frac) Perf UBC (7072-7088), Acdz w/ 2500 gal 7 1/2% HCL & 20 RCNBS, AIR 5.4 BPM, balled out with 8 BS on perfs, 20-50% OC on swab, Frac UBC w/ 2000 gal W54, 500 gal 5% KCL spacer, 19000 gal Clearfrac & 4770 gal WF130 containing 45000 20/40 Jordan & 18,000# 20/40 Super LC @ 17.3 BPM & 1746 psi, ISIP 467.
9. DO all plugs (including CIBP @ 8900')
10. **Prod tbg detail (5/22/06) TOP to BOTTOM**  
218 jts 2 7/8" 6.5# J-55 EUE tbg, TAC, 78 jts tbg, 1 tbg sub, SN, 1 tbg sub, desander, 4 jts tbg, bp, TAC @ 6931', SN @ 9442', EOT @ 9584'.
11. **Rod & Pump Detail (5/22/06) TOP to BOTTOM**  
1 1/2" X 26' PR, 2 7/8" ponies (6' & 8'), 128-7/8" N-97, 233 3/4" N-97, 14- 1 1/2" sinker bars, 1" X 4' stab rod, 2.5" X 1.5" X 24' pump w/ 3' plunger.

Based on the well tests, here are the allocation percentages:

Bone Spring - 5% oil, 1% water, 63% gas  
Delaware – 95% oil, 99 water, 37% gas

# **UPDATED WELLBORE DIAGRAM**

LEASE: <u>SDE 19 Federal</u>	WELL: <u>3</u>	DATE: <u>20-Jun-06</u>
LOC: <u>330' FSL &amp; 2310' FWL</u>	CNTY: <u>Lea</u>	GL: <u>3618</u>
SEC'TS/R: <u>Section 19, T23S, R32E</u>	ST: <u>N M</u>	KB: <u>14</u>
		DF: _____
		STATUS: <u>Active Producing</u>
		API NO: <u>30-025-32908</u>

14 3/4" Hole to 562'

11-3/4", 42# WC-40 STC at 562'  
w/ 400 sx Cl C, Circ 77 sx

11" Hole to 4545'

8-5/8", 24# & 32# WC-50 at 4545'  
w/ 1200 sx 35/65 Poz H  
FB 150 sx Cl H, Circ 412 sx to surface

## **Perforation History**

### Upper Brushy Canyon

5333-65, 4 SPF, 120 deg, squeezed in 01

### Lower Brushy Canyon (added in 2006)

7072-7075 1 spf 3 holes  
7082-7088 1 spf 6 holes  
7220-7224 1 spf 4 holes  
7272-7276 1 spf 4 holes  
7344-7346 1 spf 2 holes  
7408-7410 1 spf 2 holes  
7422-7224 1 spf 2 holes  
7574-7582 1 spf, 8 holes  
7590-7600 1 spf, 10 holes  
7636-7644 1 spf, 8 holes  
7688-7710 1 spf, 22 holes  
8220-8228 1 spf, 8 holes  
8272-8278 1 spf, 6 holes  
8320-8340 1 spf, 20 holes

### Bone Spring

8610-8650 2 SPF, 90 deg phase

### Bone Spring

8950-8971 2 SPF, 120 deg phase  
8987-9022 2 SPF, 120 deg phase  
9620-9647 2 SPF, 120 deg phase  
9705-9727 2 SPF, 120 deg phase

7 7/8" hole to 9850'

Ran 55 jt 5 1/2" 17# L-80  
& 169 jts 5 1/2" K-55 15 5#  
to 9850'  
w/ 255 sx 35/65 Poz H F/B  
153 sx 50/50 Poz Cl H  
TOC 4050' from Temp Survey

Last Updated  
6/20/06 Richard Lauderdale

PBD: 9737  
TD: 9850

## **Completion Data**

Drilled in May 1995

Initial Completion - May 95

Perf Bone Spring Sand Interval from 8610-8650, Acdz w/ 2000 gal 15 % HCL. Frac design was 46,000 gal 35# borate & 202,000 # 20/40 Ottawa (2-8 ppg) @ 35 bpm down 5 1/2" tag. Actual job pumped was 39,000 gal 35# Borate XL w/ 138895# 20/40 Ottawa sand (2-10 ppa sand conc) Avg 35 bpm @ 1600 psi ISIP 1735, 15 min 1529 psi Fwd 24 hrs. 574 BO, 248 BLW, 381 MCF 220 psi FCP (5/95)

After flowing well at above rate for 1 day, Texaco circulated 150 bbl fresh water & 200 bbl packer fluid, after running tubing, well went on a vacuum & it took 5 swab runs to get well flowing

Subsequent Completion

Oct 1995

Perf Bone Spring Sand from 9620-9647 & 9705-9727, acdz w/ 3000 gal 15% HCL, Frac w/ 109,000 gal 35# borate XLG & 250,000 lb 20/40 Ottawa sand, AIR 33 BPM @ 5860 psi Flowed back 1325 BLW, Ran RBP and perfd Bone Spring Sand from 8950-8971 & 8987-9022, acdz w/ 3000 gal 15% NEFE, Frac w/ 49000 gal YF135 & 91417# 20/40 Ottawa (Screened out on 7# stage) pulled RBP & CO to 9750' Set pkr @ 8804', Flowed 171 BO, 288 BLW & 321 MCF POP bottom two zones 38 BO, 95 BLW & 129 MCF GAS

12/19/95 pumping all zones 54 BO, 91 BLW & 154 MCF

3/06 Left fish in hole (3 1/2" tbg & desander & dump valve)

7/97 Recovered fish, DO cmt & new PBTD is 9820', Pump 28 oil, 65 water & 198 mcf

04/98 Swab test 9620-9727 interval, rec 91 BF (4% oil cut, last run was 55% oil cut)

Swab test 8950-9022 interval, swab 5 hrs, rec 10 bo, 15 bw 2 6 BPH entry rate with 40% OC.

Swab test 8610-8650 interval, Rec 9 BO, 71 BW & good gas in 7 5 hrs, IFL 6300'

FFL 6800'

Acidized 8610-8650 w/ 3000 gal 7 1/2% DAD 80 40 Acid, 4 4 bpm @ 500 psi, ISIP 310 psi, 5 min Vac

Set CIBP @ 8900'

Pumped 24 hrs, 13 BO, 7 BW & 78 mcf

6/01

Bone Spring interval (8610-8650) was producing 3 bopd & 44 mcfpd

SET CIBP @ 8560' & dump 35' Cmt on top of plug, Perf Delaware from 5333-65 Acdz w/ 4000 gal 50/20 DAD acid & 500 # Rock Salt, AIR 2 bpm @ 1500 psi, ISIP 1243 psi, 15 min

300 psi, pumped zone for 3 weeks, NON PRODUCTIVE

TIH w/ Cement Retainer, Set @ 5246, Squeeze Delaware perfs w/ 70 sx CL C + add F/B

130 sx CL C neat, left 11 sx below retainer

4/06 - Drill up CIBC @ 5246', Circ clean, DO CIBP & cmt @ 8530, TIH to 8804', Circ clean,

(Bone Spring Frac)

Acdz BS perfs (8610-50) w/ 3000 gal 15% & 80 RCNBS, AIR 6 5 BPM @ 2737 psi, ISIP

1020 psi, Swab, FE 3 BPH @ 50% Oil cut, Frac BS w/ 27000 gal YF135ST carrying

56,000 # 20/40 sand down 3 1/2" WS, AIR 20 8 BPM @ 3273 psi, ISIP 1598psi, 15 min

1045 psi

(LBC Frac)

Perf LBC (8220-8340), Acdz w/ 4000 gal 7 1/2% HCL & 80 RCNBS, AIR 5 5 BPM, balled out

with 35 BS on perfs, Unable to swab interval due to parted sand line, Frac LBC down 3 1/2"

WS w/ 4000 gal W54, 1000 gal 5% KCL spacer, 35000 gal Clearfrac & 5900 gal WF130

containing 90000# 20/40 Jordan & 24,000# 20/40 Super LC @ 18 5 bpm & 1169 psi, ISIP

451 psi

(Middle BC Frac)

Perf MBC (7574-7710), Acdz w/ 4000 gal 7 1/2% HCL & 100 RCNBS, AIR 5 1 BPM, balled

out with 85 BS on perfs, 7% OC on swab, Frac MBC w/ 4000 gal W54, 1000 gal 5% KCL

spacer, 35000 gal Clearfrac & 5900 gal WF130 containing 90000# 20/40 Jordan & 24000#

20/40 Super LC @ 18 3 psi & 1169 psi, ISIP 368 psi

(1st UBC Frac)

Perf UBC (7220-7424), Acdz w/ 3000 gal 7 1/2% HCL & 30 RCNBS, AIR 5.5 BPM, balled

out with 20 BS on perfs, Trace OC on swab, Frac UBC w/ 2500 gal W54, 1000 gal 5%

KCL spacer, 18000 gal Clearfrac & 6840 gal WF130 containing 40,500# 20/40 Jordan &

30000# 20/40 Super LC @ 25 4 BPM & 1299 psi, ISIP Vac

(2nd UBC Frac)

Perf UBC (7072-7088), Acdz w/ 2500 gal 7 1/2% HCL & 20 RCNBS, AIR 5 4 BPM, balled

out with 8 BS on perfs, 20-50% OC on swab, Frac UBC w/ 2000 gal W54, 500 gal 5% KCL

spacer, 19000 gal Clearfrac & 4770 gal WF130 containing 45000 20/40 Jordan & 18000#

20/40 Super LC @ 17 3 BPM & 1746 psi, ISIP 467

DO all plugs (including CIBP @ 8900')

POP 5/27/06

Prod tbg detail (5/22/06) TOP to BOTTOM

218 jts 2 7/8" 6 5# J-55 EUE tbg, TAC, 78 jts tbg, 1 tbg sub, SN, 1 tbg sub, desander, 4 jts

tbg, bp, TAC @ 8931', SN @ 9442', EOT @ 9584'

Rod & Pump Detail (5/22/06) TOP to BOTTOM

1 1/2" X 26" PR, 2 7/8" ponies (8' & 8'), 128-7/8" N-97, 233 3/4" N-97, 14- 1 1/2" sinker

bars, 1" X 4" stab rod, 2.5" X 1 5" X 24" pump w/ 3' plunger