

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 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

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

2. Name of Operator
XTO Energy Inc.

3a. Address
200 N. Loraine, Ste. 800 Midland, TX 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit: F 1980' FNL & 1980' FWL
Sec 31, T23S, R32E
23 Miles East of Loving, NM

5. Lease Serial No.

NM 18848

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NM 18848

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
Sand Dune; Bone Spring; South

11. County or Parish, State
Lea NM

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

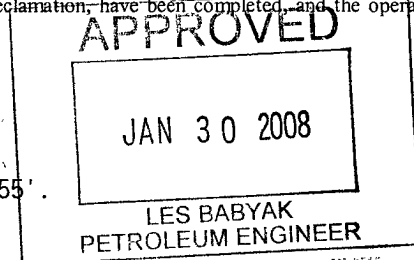
- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>Add Pay In</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>Delaware</u> |
| <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 recompleate 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 recompleation 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.)

- Adding Pay in Delaware Recommended Procedure:

1. MIRU PU. POH w/rods & pumps.
2. Last pull indicates PBDT @ 9148', EOT @ 9084', SN @ 8993', & TAC @ 7855'.
3. TIH w/ WL & set composite bridge plug @ +/-8150.
4. Load hole w/ 2% KCL. Pressure tst csg and plug to 500 psi.
5. TIH w/ csg guns loaded 2 SPF. Perf following Delaware interval using Schlumberger Wireline Gamma Ray and Collar Log ran in 1/18/1995 as correlation log. 7570' - 7598' (28', 56 holes)
6. TIH w/ 2 7/8" WS w/ packer. Set packer @ +/- 7475'.

See attached for continued proposed procedure.



**APPROVED FOR 3 MONTH PERIOD
ENDING APR 30 2008**

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

Sherry Pack

Title

Regulatory Analyst

Date 01/7/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Chia Williams

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Date

FEB 07 2008

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



SDE 31 FEDERAL #4
LEA COUNTY, NEW MEXICO
Form 3160-F Proposed Procedures Continued

- 7 Acidize perfs (7570-7598) w/ 1000 gallons 7.5% 90/10 HCL acid & 75 ball sealers. Flush with 2% KCL. After pumping, obtain 5, 10 & 15 min SIP.
- 8 Flow well back.
- 9 Swab interval (7570-7598) to determine oil cut, fluid entry, productivity of interval.
- 10 Frac Delaware interval (7570-7598) down 5 ½" csg @ 40 BPM w/ 39,500 gal Medallion 3500 containing 70,000# 20/40 white sand & 15,000# 20/40 Super LC. Maximum pressure is 3500 psi. (Burst pressure on 5 ½" K-55 is 4810 psi). Flush w/ 174 bbl (1 bbl short of top perf) w/ 10# linear gel. After pumping, obtain 5, 10, 15 min SIP.
- 11 Set Composite bridge plug @ +/- 7475' to isolate Middle Brushy Canyon perfs .
- 12 Load hole with 2% KCL. Pressure test csg and plug to 500 psi.
- 13 TIH w/ casing guns loaded 2 SPF. Perf following Delaware intervals using Schlumberger Wireline Gamma Ray and Collar Log ran on 1/18/1995 as correlation log.
 - a. 7110'-7120' (10', 20 holes)
 - b. 7126'-7134' (8', 16 holes)Total 18', 36 total holes RD WL after perforating.
- 14 TIH w/ 2 7/8" WS with packer. Set packer @ +/- 7025'.
- 15 Acidize perfs (7110-7134) w/ 750 gallons 7.5% 90/10 HCL acid & 50 ball sealers. Flush with 2% KCL. After pumping, obtain 5, 10 & 15 min SIP.
- 16 Flow well back..
- 17 Release packer. TOH w/ WS & pkr. If oil cut satisfactory, then proceed with frac.
- 18 Frac Delaware interval (7110-7134) down 5 ½" csg @ 30 BPM w/ 24,250 gal 30# Linear Gel containing 32,000# 20/40 white sand & 8,000# 20/40 Super LC. Maximum pressure is 3500 psi. (Burst pressure on 5 ½" K-55 is 4810 psi). Flush w/ 164 bbl (1 bbl short of top perf) w/ 30# linear gel. After pumping, obtain 5, 10, 15 min SIP. .



SDE 31 FEDERAL #4

LEA COUNTY, NEW MEXICO

Form 3160-F Proposed Procedures Continued

- 19 Leave well SI for a minimum of two hours to allow for setting of RC sand.
- 20 RU foam unit. TIH w/ WS & bit. CO fill to 1st composite +/- 7475'. Drill out composite. Continue in hole to 2nd composite @ 8150. Drill out composite & clean out to PBTD (9150'). TOH w/ WS & bit. RD foam unit.
- 21 RU Protechnics & run SpectraScan after frac log from 8000' up to 6500'. .
- 22 TIH w/ 2 7/8" production tbg. RD PU. POP. RWTP

WELL DATA SHEET

| | | |
|--|------------------|-----------------------------|
| LEASE: <u>SDE 31 Federal</u> | WELL: <u>4</u> | DATE: <u>9-May-05</u> |
| LOC: <u>1980' FNL & 1980' FWL</u> | CNTY: <u>Lea</u> | GL: <u>3574</u> |
| SEC/T&R: <u>Section 31, T23S, R32E</u> | ST: <u>N.M.</u> | KB: <u>11</u> |
| | | DF: <u></u> |
| | | STATUS: <u>Well active</u> |
| | | API NO: <u>30-025-32716</u> |

Completion Data

Drilled in Jan 1995

Initial Completion - Jan 95

Perf Lower Bone Spring Sand Interval 8846-53', 8866-72', 8880-84', 8887-95', 8986-9010', Acdz perms 8986-9010 w/ 3600 gal 15% HCL, 15 bpm @ 3200 psi, ISIP 1400 psi, 10 min 1138 psi, Acdz perms 8846-8895' w/ 3800 gal 15%, 15 bpm @ 3100 psi, ISIP 1500 psi, 10 min 1354 psi, Swab 4 hrs, rec 5 BO, 1 BW Frac Lower Bone Spring Interval w/ 49,000 gal 35# Borate containing 186,000# 20/40 Ottawa 40 bpm @ 2375 psi, ISIP 2460, 15 min 1643 psi - Pumped 10 bo, 20 mcf in 24hours
Set CIBP @ 8750'.

Perf BSS from 8560-8614', Acdz w/ 5000 gal 15% NEFE & 160 BS AIR 12 bpm @ 1250 psi Frac BSS w/ 37,000 gal 35# Borate & 146,000# 20/40 Ottawa AIR 35 bpm @ 1500 psi, ISIP 1600 psi, 15 min 1368 psi

IP flowing 310 BO, 43 BLW, 122 MCF in 24 hours

4/98 Pumped 500 gal Toluene F/B 50 bbl lease crude

11/98 Pumped 250 gal Toluene F/B 51 bbl lease crude

12/98 Drill out CIBP @ 8750' CO to 9115'

12/98 Installed Plunger lift

7/99 Pump 500 gal Toluene

10/2004

Set CIBP @ 8500', Perf LBC (8208-8332), 28', 28 total holes, Acidize LBC perms down 3 1/2" WS w/ 4000 gal 7 1/2% HCL & 50 RCNBS, AIR 5.0 BPM & 750 psi, Frac LBC w/ 42,000 gal J533-40 ClearFrac containing 154000# 20/40 Ottawa sand (1-8 ppa (6 & 8 ppa stages contain Propnet)), AIR 17.3 BPM @ 1640 psi, ISIP 220 psi,

Final report

62 BOPD, 276 BWPD & 40 MCFPD 11/23/04

Commingle LBC & BSS on 12/28/04

14 3/4" Hole to 950'

11-3/4", 42#, WC-40 STC at 950'
w/ 500 sx CI C, Circ 84 sx

11" Hole to 4505'

8-5/8", 24# & 32# CF-55 & K-55 at 4505'
w/ 1150 sx CI H, Circ 166 sx

Perforation History

Upper Brushy Canyon

Lower Brushy Canyon

8208-8218 Open, 1 SPF

8250-8262 Open, 1 SPF

8326-8332 Open, 1 SPF,

Bone Spring

8560-8614 Open, 2 SPF 90 Deg

8846-8853 Open, 2 SPF 90 Deg

8866-8872 Open, 2 SPF 90 Deg

8880-8884 Open, 2 SPF 90 Deg

8887-8895 Open, 2 SPF 90 Deg

8986-9010 Open, 2 SPF 90 Deg

7 7/8" hole to 9194'

5 1/2", 15 5# & 17# K-55 & 17# L-80
w/ DV at 6317'

w/ 750 sx CL H 1st & 971 Poz & CL H
TOC 1250' Temp Survey

PBD: 9143
TD: 9194

