Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

## 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 page 2***

5. Lease Serial No.
NMNM0415461

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM71004X

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

8. Well Name and No.
BIG EDDY UNIT 218

2. Name of Operator
XTO ENERGY, INC
Contact: ELIZABETH ZASTOUPIL
E-Mail: elizabeth_zastoupil@xtoenergy.com

9. API Well No.
30-015-36297

3a. Address
801 HOUSTON ST
FORT WORTH, TX 76102

3b. Phone No. (include area code)
Ph: 817-850-6750

10. Field and Pool or Exploratory Area
DUBLIN RANCH;MORROW

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 17 T22S R28E NWNW 660FNL 660FWL

11. County or Parish, State
EDDY COUNTY COUNTY, NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Hydraulic Fracturing | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

XTO Energy, Inc respectfully requests a sundry approval to place 7 seismometer stations throughout Big Eddy Unit, Old Indian Draw Unit, and Poker Lake Unit.

A separate sundry will be submitted for each stations, as it will be tied to a producing well.

I have attached documents and maps that detail location and surface information.

RECEIVED

MAY 07 2018

DISTRICT II-ARTESIA O.C.D.

SC 5-9-18
Accepted for record - NMOCD

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #398844 verified by the BLM Well Information System**
**For XTO ENERGY, INC, sent to the Carlsbad**
**Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/19/2018 ()**

Name *(Printed/Typed)* ELIZABETH ZASTOUPIL — Title GEOLOGY TECHNICIAN

Signature (Electronic Submission) — Date 12/21/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By — Title AFM-Resources — Date 02 May 2018

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 LCNMP02000

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

**Purpose of Project**

The purpose of the interactive seismic monitoring array to be provided by Spectraseis/ESG is to provide a fast, accurate, and reliable means for XTO to monitor their field development operations in New Mexico for seismic activity. Spectraseis/ESG will install a nine-station (seven stations on federal acreage) interactive seismic monitoring array, designed to accurately monitor the area for seismic activity. XTO will be renting from Spectraseis/ESG nine complete monitoring stations consisting of: nine sensors, nine digitizers, solar panels and fencing. Spectraseis/ESG will incorporate public stations into the array, as they become available, to enhance the array's recording capability. In summary, Spectraseis/ESG will design interactive seismic monitoring to detect earthquakes to a magnitude of completeness of Mw 1.5 within XTO's area of interest.

**Description of Equipment Installation**

Installation of nine (seven on BLM acreage) rented broadband interactive seismic monitoring stations surrounding XTO's area of interest will proceed as follows:

1. Walk to station location from nearest access road (longest distance from access road will be 183' at Station 203). All seismometer locations were scouted beforehand to ensure no brush clearing would be needed.
2. Dig ~30" deep hole and place barrel in the hole at station location.
3. Pour cement into the barrel until half way full; let dry for 12 hours.
4. Place sensor with cable and mount on top of cement in barrel.
5. Set up batteries, digitizer, modem, solar panel, and cell booster into standalone junction box and connect all equipment to power.
6. Set up GPS and cell antennae next to junction box.
7. Once all equipment is connected and functioning, seal off cable holes in junction box and barrel with water protectant.
8. Set up perimeter fencing around station to protect from wildlife and other hazards (10'x10' footprint). Round pipe fencing panels made of steel will be used around the perimeter. Approximate distance between the fence and equipment will be 2.5 feet.
9. Installation will take approximately 12-24 hours for each station.

**Maintenance**

Spectraseis/ESG performs maintenance on each station quarterly in order to keep the sensors level and all equipment functional. Should unforeseen equipment issues arise (i.e. unusual readings due to equipment failure), Spectraseis/ESG will be performing maintenance on an as-needed basis. This is the only additional traffic anticipated to each seismometer location.

**Additional Noise**

All of the seismometer equipment will operate well below 75 decibels of noise.

**Lifetime**

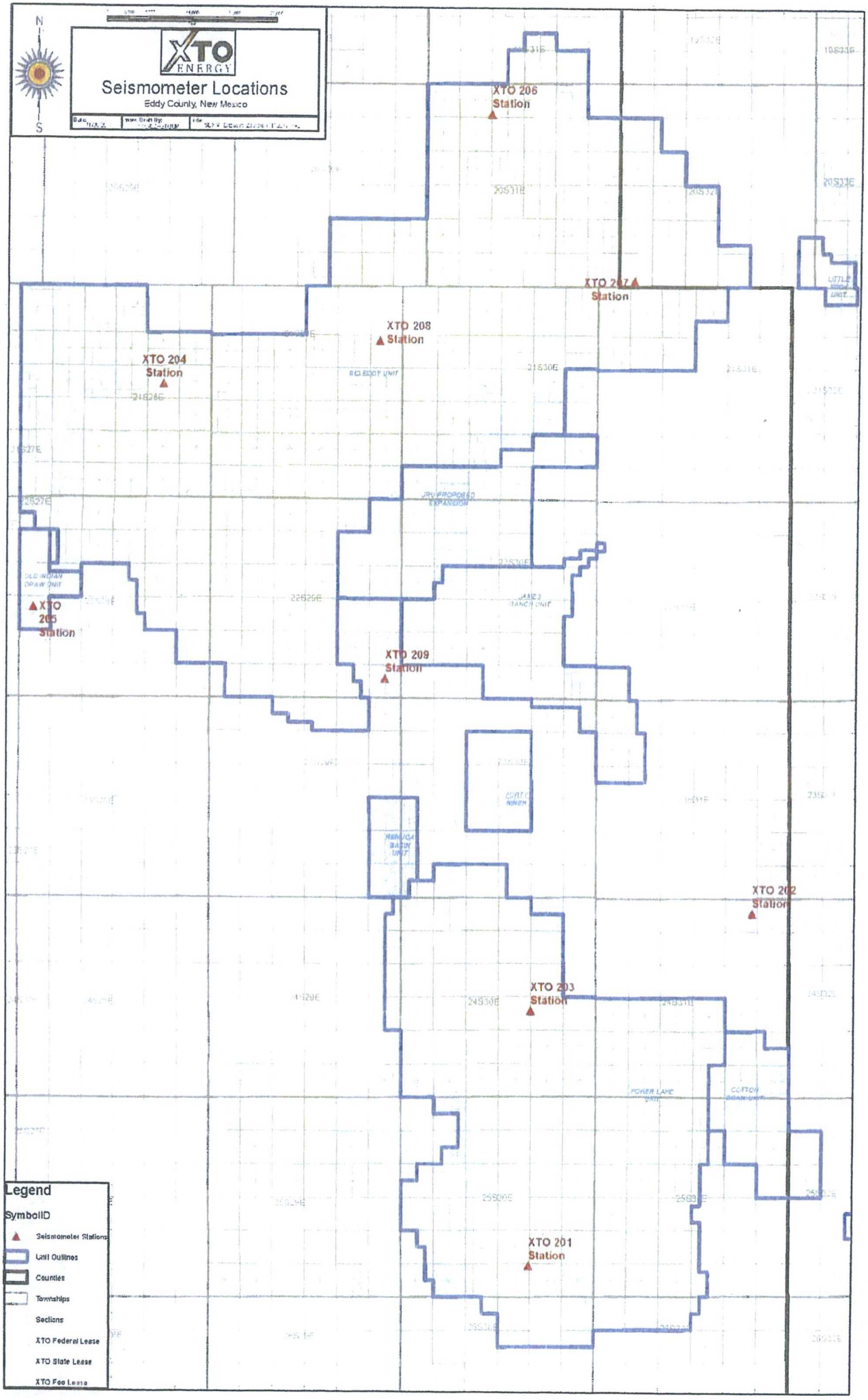
Seismic monitoring stations will retain their installed locations for 25 years, or until XTO's contract terminates with Spectraseis/ESG, whichever occurs first.

**XTO's Area of Interest**

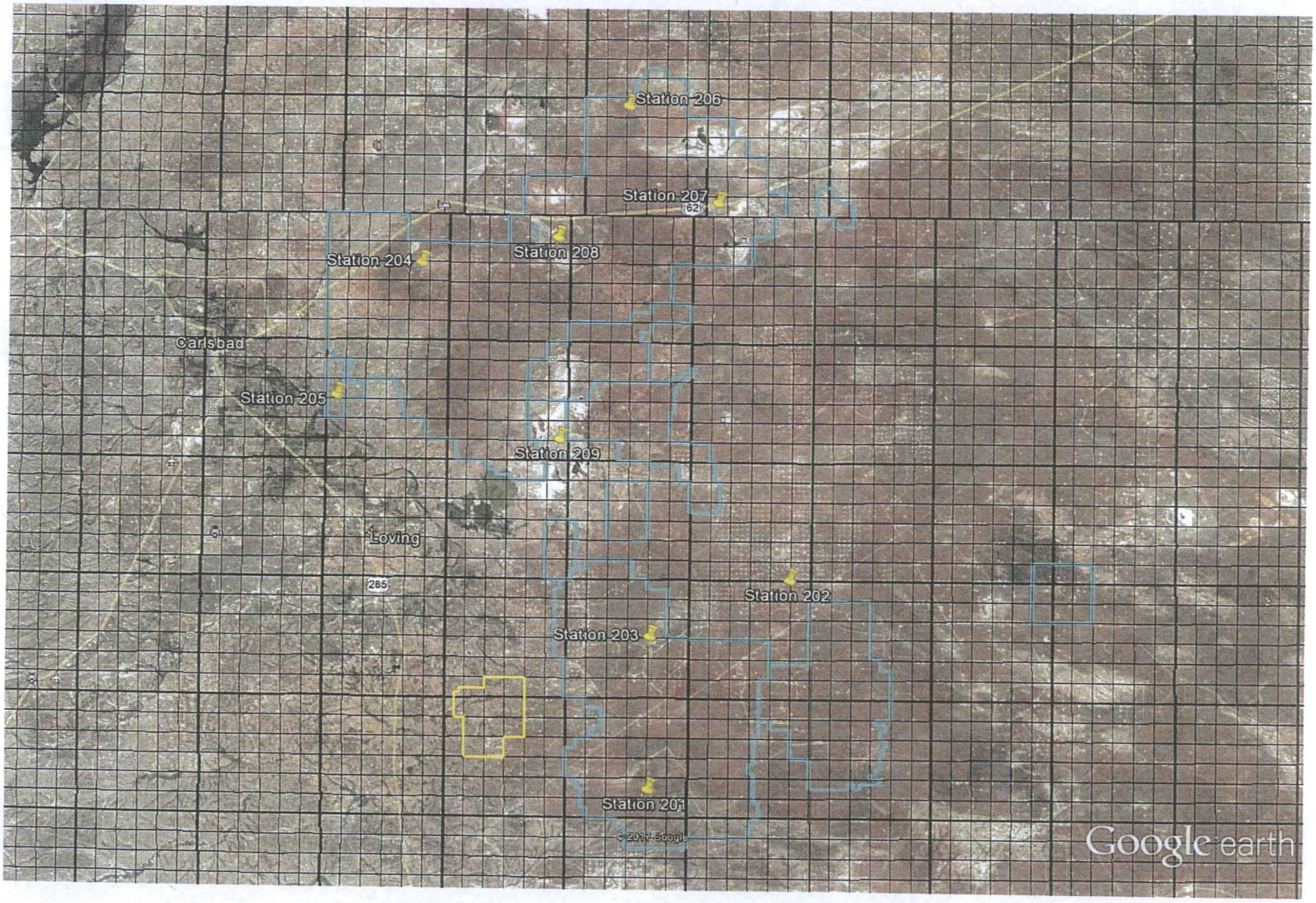
XTO's area of interest is depicted in the overview map on the next page. Individual Google Earth images of each station have also been included.

## Monitoring Station Information

| Station Number | Latitude_83 | Longitude_83 | County | Township | Range | Section | XTO/BOPCO Lease | BLM/State | Unit | Lease Num | Nearest Producing Well | API | Distance From Station (Ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 32.093021 | -103.861308 | Eddy | 25S | 30E | 34 | Yes | BLM | Poker Lake | NMNM 0005039A | Poker Lake Unit 421H | 30015410330000 | 1,122 |
| 203 | 32.204673 | -103.860495 | Eddy | 24S | 30E | 22 | Yes | BLM | Poker Lake | NMNM 0002862 | Poker Lake Unit 324H | 30015406850000 | 538 |
| 204 | 32.479605 | -103.056895 | Eddy | 21S | 28E | 14 | Yes | BLM | Big Eddy | NMLC 0069219 | Big Eddy Unit 92 | 30015240830000 | 2,129 |
| 205 | 32.381146 | -104.127381 | Eddy | 22S | 28E | 19 | Yes | BLM | Old Indian Draw | NMNM 0415461 | Big Eddy Unit 218 | 30015362970000 | 7,022 |
| 206 | 32.596577 | -103.882583 | Eddy | 20S | 31E | 5 | Yes | BLM | Big Eddy | NMLC 0068408 | Big Eddy Unit DI4 270H | 30015424790000 | 4,649 |
| 207 | 32.525056 | -103.80624 | Lea | 20S | 32E | 31 | Yes | BLM | Big Eddy | NMLC 0065751A | Big Eddy Unit DI5 4H | 30015403970000 | 16,690 |
| 208 | 32.498793 | -103.941386 | Eddy | 21S | 29E | 12 | Yes | BLM | Big Eddy | NMNM 0006747 | Big Eddy Unit DI28 277H | 30015425680000 | 12,488 |


XTO ENERGY
Seismometer Locations
Eddy County, New Mexico
N
S
XTO 206 Station
XTO 207 Station
XTO 208 Station
XTO 204 Station
XTO 205 Station
XTO 209 Station
XTO 202 Station
XTO 203 Station
XTO 201 Station
BIG BOY UNIT
JAM PROPOSED EXPANSION
JAMES RANCH UNIT
OLD INDIAN DRAW UNIT
RENUDA BASIN UNIT
POKER LAKE UNIT
COTTON DRAW UNIT
Legend
SymbolID
Seismometer Stations
Unit Outlines
Counties
Townships
Sections
XTO Federal Lease
XTO State Lease
XTO Fee Lease

# XTO Seismometer Station – Project Overview



# Seismometer Station 201

# Seismometer Station 203

# Seismometer Station 204

# Seismometer Station 205

# Seismometer Station 206

# Seismometer Station 207

# Seismometer Station 208