

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

OCT 05 2011

RECEIVED

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 N. Loraine, Ste. 800 Midland, TX 79701

3b Phone No. (include area code)

432-620-6741

4. Location of Well (Footage, Sec., T, R, M., or Survey Description)

760' FNL & 960' FEL, Unit Ltr. A, Section 8, T-18S, R-32E

5. Lease Serial No.

NM 064009C

6. If Indian, Allottee or Tribe Name

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

NM 064009C

8. Well Name and No

Federal DM #1

9. API Well No

30-025-29354

10. Field and Pool, or Exploratory Area

Young; Wolfcamp, North

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

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon Water Disposal
☐ 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 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 final site is ready for final inspection.)

The water from this well will be transported by truck to the East Shugart Delaware Unit #20 (Permit No. WFX-814) located at Unit A, Sec. 24, T18S, R31E.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

ACCEPTED FOR RECORD

OCT 1 2011
/s/ JD Whitlock Jr

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Sharon Hindman

Sharon Hindman

Title

Regulatory Analyst

Date

09/26/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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.

OCT 06 2011

Midland, TX 79706



Lab Tech: **LaTasha Cornish**

Sample ID: **WA-65579**

Sample Specifics	
Test Date:	9/23/2011
Temperature (°F):	86
Sample Pressure (psig):	90
Specific Gravity (g/cm³):	1.0350
pH:	6.8
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	
Molar Conductivity (µS/cm):	
Resistivity (Mohm):	

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	1199.87	Chloride (Cl):	39000.00
Magnesium (Mg):	309.50	Sulfate (SO ₄):	1668.00
Barium (Ba):	0.07	Dissolved CO ₂ :	350.00
Strontium (Sr):	-	Bicarbonate (HCO ₃):	1830.00
Sodium (Na):	21600.00	Carbonate (CO ₃):	-
Potassium (K):	-	H ₂ S:	513.00
Iron (Fe):	0.40	Phosphate (PO ₄):	-
Manganese (Mn):	0.06	Silica (SiO ₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO ₃):	-
Ammonia NH ₃ :	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

[illegible]

Barium Sulfate NO CONCLUSION

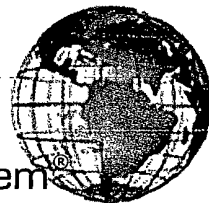
Sodium (Na) : 21600 mg/l

Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

1122 S. FM1788

Midland, TX 79706



multi-chem

Scale Prediction Graphs

Well Name: **FED DM #1**

Sample ID: **WA-65579**

Calcium Carbonate CaCO_3

Gypsum $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

Barium Sulfate BaSO_4

Calcium Sulfate CaSO_4

Patti 432-618-3530
URAS

The following information is needed before your disposal of produced water can be approved, per Onshore Oil & Gas Order #7.

You may attach this information to your Sundry Notice (3160-5). Submit all required information as per this attachment, submit a Sundry Notice(3160-5), one original and five copies to this office within the required time.

1. Name(s) of all formation(s) producing water on the lease WOLF CAMP
2. Amount of water produced from all formations in barrels per day 75 bbls/day
3. A CURRENT water analysis of produced water from all zones showing at least the total dissolved solids, pH, and the concentrations of chlorides and sulfates.
4. How water is stored on the lease Steel 500 bbl TR.
5. How water is moved to the disposal facility TRANSFER pump
6. Identify the Disposal Facility by:
 - A. Operators' Name ST. MARY'S
 - B. Well Name ESDU #20 (EAST SHUGART DELAWARE UNIT)
 - C. Well type and well number Disposal well
 - D. Location by quarter/quarter, section, township, and range UNIT A Sec. 24 T18S R31E
1240' FN 1/4 A 300' F L
7. A copy of the Underground Injection Control Permit - issued for the injection well by the Environmental Protection Agency or New Mexico Oil Conservation Division where the State has achieved primacy.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

ADMINISTRATIVE ORDER NO. WFX-814

***APPLICATION OF ST. MARY LAND & EXPLORATION COMPANY TO EXPAND ITS
WATERFLOOD PROJECT IN THE EAST SHUGART-DELAWARE POOL IN EDDY AND
LEA COUNTIES, NEW MEXICO***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-11254, St. Mary Land & Exploration Company has made application to the Division on July 27, 2005 for permission to expand its East Shugart Delaware Unit Waterflood Project in the East Shugart-Delaware Pool in Eddy and Lea Counties, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application was filed in due form.
- (2) Satisfactory information was provided to demonstrate that all offset operators were provided notice of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well is eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above-referenced waterflood project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, St. Mary Land & Exploration Company is hereby authorized to inject water into the East Shugart-Delaware Pool through the perforated interval from 5,030 feet to 5,310 feet

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Disposal of Produced Water From Federal Wells
Conditions of Approval**

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency shall be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All above ground structures on the lease shall be painted Shale Green (5Y 4/2), or as per approved APD stipulations. This is to be done within 90 days, if you have not already done so.
6. Any on-lease open top storage tanks shall be covered with a protective cover to prevent entry by birds and other wildlife.
7. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
8. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.
9. Disposal at any other site will require prior approval.
10. Subject to like approval by NMOCD.

6/17/2011