

**2RF-126 -  
Remuda Recycling  
Facility ID  
[fAB1805958241]  
C-147 Annual  
Extension 2024-2025**

**[373075] XTO PERMIAN  
OPERATING LLC  
January 31, 2024**



**Kristen Houston**  
Regulatory Analyst  
(432)894-1588  
XTO Permian Operating, LLC  
6401 Holiday Hill Road, Bldg 5  
Midland, TX 79707

January 22, 2024

Victoria Venegas  
ENMRD-Oil Conservation Division  
Environmental Bureau -  
506 W. Texas Ave.  
Artesia, NM 88210

Re: Administrative Order 2RF-126  
Remuda Recycling Containment Facility  
Facility ID (fAB1805958241)

Victoria,

XTO Energy, INC. Respectfully requests a one-year extension to the existing C-147 permit for the Remuda Recycling Facility. The annual extension requests of the Permit 2RF-126 Remuda Recycling Facility ID (fab1805958241) from February 26, 2024, to February 25, 2025.

If you have any questions or need any additional information, please feel free to contact me at (432)894-1588.

Sincerely,



Kristen Houston  
Regulatory Analyst

State of New Mexico  
Energy Minerals and Natural Resources  
Department Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
<https://www.emnrd.nm.gov/ocd/ocd-e-permitting/>

Form C-147  
Revised October 11, 2022

## Recycling Facility and/or Recycling Containment

**Type of Facility:** ☒ Recycling Facility ☒ Recycling Containment\*  
**Type of action:** ☒ Permit ☐ Registration  
☐ Modification ☒ Extension  
☐ Closure ☐ Other (explain) \_\_\_\_\_

\* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: XTO Permian Operating LLC (For multiple operators attach page with information) OGRID #: 373075  
Address: 6401 Holiday Hill Rd Bldg 5 Midland Tx 79707  
Facility or well name (include API# if associated with a well): Remuda Recycling Facility  
OCD Permit Number: 2RF-126/fAB1805958241 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr H Section 25 Township 23S Range 29E County: Eddy  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 32.271772 Longitude -103.932447 NAD83  
Proposed Use: ☒ Drilling\* ☒ Completion\* ☒ Production\* ☒ Plugging\*  
*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*  
☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*  
☒ Fluid Storage  
☐ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
☐ Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_ ☐ Other explain \_\_\_\_\_  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: \_\_\_\_\_

3.  
☒ **Recycling Containment:**  
☒ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable): Latitude 32.271810 Longitude -103.932646 NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☐ Liner type: Thickness \_\_\_\_\_ mil ☒ LLDPE ☒ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 500,000 x 2 bbl Dimensions: L 1500' x W 750' x D 16'  
☐ Recycling Containment Closure Completion Date: \_\_\_\_\_

4.

**Bonding:**

- ☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
- ☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$ \_\_\_\_\_ (work on these facilities cannot commence until bonding amounts are approved)
- ☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

**Fencing:**

- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify 8' game fence w/ 3 strands barbed wire

6.

**Signs:**

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

7.

**Variances:**

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

**Check the below box only if a variance is requested:**

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

**If a Variance is requested, it must be approved prior to implementation.**

8.

**Siting Criteria for Recycling Containment**

**Instructions:** The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

**General siting****Ground water is less than 50 feet below the bottom of the Recycling Containment.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No  
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; written approval obtained from the municipality

☐ Yes ☒ No  
☐ NA

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map

☐ Yes ☒ No

Within a 100-year floodplain. FEMA map

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; aerial photo; satellite image

☐ Yes ☒ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site

☐ Yes ☒ No

9.

**Recycling Facility and/or Containment Checklist:**

**Instructions:** Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☐ Design Plan - based upon the appropriate requirements.
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☐ Closure Plan - based upon the appropriate requirements.
- ☐ Site Specific Groundwater Data -
- ☐ Siting Criteria Compliance Demonstrations –
- ☐ Certify that notice of the C-147 (only) has been sent to the surface owner(s)

10.

**Operator Application Certification:**

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kristen Houston

Title: Regulatory Analyst

Signature: Kristen Houston

Date: 01/22/2024

e-mail address: kristen.houston@exxonmobil.com

Telephone: (432)894-1588

11.

OCD Representative Signature: Victoria Venegas

Approval Date: 01/31/2024

Title: Environmental Specialist

OCD Permit Number: 2RF-126

☒ OCD Conditions☒ Additional OCD Conditions on Attachment

# REMUDA FRAC PIT

## LEAK DETECTION DATA

Procedure for Performing Monthly Leak Detection Test for NCFR(Non-commercial fluid recycling) Pits

- 1) Drain sump to establish a zero baseline and note time
- 2) After 24 hours, drain sump and note volume of water recovered

## EAST PIT: Brackish Water

Month	Action	Date	Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	01/04/23				
	INITIAL Pond Drain			0		
	24 HR Leak Detection	01/11/23				
	INITIAL Pond Drain			0		
	24 HR Leak Detection	01/18/23				
	INITIAL Pond Drain			0		
Feb-23	24 HR Leak Detection	01/25/23				
	INITIAL Pond Drain			0		
	24 HR Leak Detection	02/01/23				
	INITIAL Pond Drain			0		
	24 HR Leak Detection	02/08/23				
	INITIAL Pond Drain			0		
	24 HR Leak Detection	02/15/23				
Mar-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	02/22/23				
	INITIAL Pond Drain	03/01/23		0		
	24 HR Leak Detection					
	INITIAL Pond Drain	03/08/23		0		
	24 HR Leak Detection					
	INITIAL Pond Drain	03/15/23		0		
Apr-23	24 HR Leak Detection					
	INITIAL Pond Drain	03/22/23		0		
	24 HR Leak Detection		24 Hr			
	INITIAL Pond Drain	04/01/23	24HR	0		
	24 HR Leak Detection					
	INITIAL Pond Drain	04/04/23		0		
	24 HR Leak Detection					
May-23	INITIAL Pond Drain	04/17/23		0		
	24 HR Leak Detection					
	INITIAL Pond Drain	04/26/23	24hr	0		
	24 HR Leak Detection					
	INITIAL Pond Drain	05/02/23	24hr	0		
	24 HR Leak Detection					
	INITIAL Pond Drain	05/16/23	24hr	0		
	24 HR Leak Detection					
	INITIAL Pond Drain	05/30/23	24hr	0		
	24 HR Leak Detection					
	INITIAL Pond Drain					
	24 HR Leak Detection					
	INITIAL Pond Drain					
	24 HR Leak Detection					

	INITIAL Pond Drain			0		
	24 HR Leak Detection					
Jun-23	INITIAL Pond Drain		NR	0		
	24 HR Leak Detection	06/13/23				
	INITIAL Pond Drain			0		
	24 HR Leak Detection	06/20/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection					
	INITIAL Pond Drain	06/27/23	24hr	0		
	24 HR Leak Detection					
Jul-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/04/23	NRV			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/11/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/18/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	07/24/23	24hr			
Aug-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/01/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/08/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/15/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	08/22/23	24hr			
Sep-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/05/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/12/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/19/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	09/26/23	24hr			
Oct-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/03/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/10/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/17/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	10/25/23	24hr			
Nov-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/01/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/08/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/15/23	24hr			
	INITIAL Pond Drain			0		

	24 HR Leak Detection	11/22/23	24hr			
Dec-23	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/06/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/13/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/20/23	24hr			
	INITIAL Pond Drain			0		
	24 HR Leak Detection	12/27/23	24hr			

### West PIT: Recycled Produced Water

Month	Action	Date	Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-23	INITIAL Pond Drain		10sec	4	4	
	24 HR Leak Detection	01/04/23			8	
	INITIAL Pond Drain		10sec	4	8	
	24 HR Leak Detection	01/11/23			12	
	INITIAL Pond Drain		10sec	4	12	
	24 HR Leak Detection	01/18/23			16	
	INITIAL Pond Drain		10sec	-16	16	
	24 HR Leak Detection	01/25/23			0	
Feb-23	INITIAL Pond Drain		10sec	-20	20	
	24 HR Leak Detection	02/01/23				
	INITIAL Pond Drain		10sec	-24	24	
	24 HR Leak Detection	02/08/23				
	INITIAL Pond Drain		10sec	-28	28	
	24 HR Leak Detection	02/15/23				
	INITIAL Pond Drain		10sec	-32	32	
	24 HR Leak Detection	02/22/23				
Mar-23	INITIAL Pond Drain		10sec	-37	37	
	24 HR Leak Detection	03/01/23				
	INITIAL Pond Drain			37		
	24 HR Leak Detection	03/08/23	24hr		37	
	INITIAL Pond Drain			-37	37	
	24 HR Leak Detection	03/15/23	24hr			
	INITIAL Pond Drain			50	0	
	24 HR Leak Detection	03/22/23	24 Hr		50	
Apr-23	INITIAL Pond Drain	04/01/23	24HR	#VALUE!	0	
	24 HR Leak Detection				26 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	04/04/23	24hr		30 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	04/17/23	24hr		32 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	04/26/23	24 hr		17 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	05/02/23	24hr		0 gal	



May-23	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	05/16/23	24hr		0 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	05/30/23	24hr		0 gal	
	INITIAL Pond Drain			0		
	24 HR Leak Detection					
Jun-23	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	06/13/23	NR		0 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	06/13/23	24hr		20 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	06/20/23	24hr		30 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	06/27/23	24hr		17 gal	
Jul-23	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	07/04/23	NRV		0 gal	
	INITIAL Pond Drain			103		
	24 HR Leak Detection	07/11/23	24hr		103	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	07/18/23	24hr		22 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	07/25/23	24hr		30 gal	
Aug-23	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	08/01/23	24hr		16 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	08/08/23	24hr		33 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	08/15/23	24hr		38 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	08/22/23	24hr		29 gal	
Sep-23	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	09/05/23	24hr		21 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	09/12/23	24hr		10 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	09/19/23	24hr		17 gal	
	INITIAL Pond Drain			#VALUE!		
	24 HR Leak Detection	09/26/23	24hr		24 gal	
Oct-23	INITIAL Pond Drain			44		
	24 HR Leak Detection	10/04/23	24hr		44	
	INITIAL Pond Drain			27		
	24 HR Leak Detection	10/11/23	24hr		27	
	INITIAL Pond Drain			16		
	24 HR Leak Detection	10/18/23	24hr		16	
	INITIAL Pond Drain			20		
	24 HR Leak Detection	10/25/23	24hr		20	
	INITIAL Pond Drain			32		
	24 HR Leak Detection	11/01/23	24hr		32	
	INITIAL Pond Drain			15		

Nov-23	24 HR Leak Detection	11/08/23	24hr	15	15	
	INITIAL Pond Drain			0		
	24 HR Leak Detection	11/15/23	24hr		0	
	INITIAL Pond Drain			65		
	24 HR Leak Detection	11/22/23	24hr		65	
Dec-23	INITIAL Pond Drain			24		
	24 HR Leak Detection	12/06/23	24hr		24	
	INITIAL Pond Drain			10		
	24 HR Leak Detection	12/13/23	24hr		10	
	INITIAL Pond Drain			32		
	24 HR Leak Detection	12/20/23	24hr		32	
	INITIAL Pond Drain			21		
	24 HR Leak Detection	12/27/23	24hr		21	

**Venegas, Victoria, EMNRD**

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**From:** Venegas, Victoria, EMNRD  
**Sent:** Wednesday, January 31, 2024 11:38 AM  
**To:** kristen.houston@exxonmobil.com  
**Subject:** 2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241]  
**Attachments:** C-147 2RF-126 - Remuda Recycling Facility ID [fAB1805958241] 01.31.2024.pdf

**2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241]**

Good morning Ms. Houston,

NMOCD has reviewed the annual registration/permit extension request for 2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241] received from [373075] XTO PERMIAN OPERATING LLC on 01/21/2024. The registration/permit annual extension request is approved with the following conditions of approval.

- 2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of February 28, 2024. The new registration/permit expiration date is February 28, 2025.
- [373075] XTO PERMIAN OPERATING LLC will continue to operate, maintain, and close the for 2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241] in compliance with 19.15.34 NMAC, to include but not limited to the performance of weekly inspections regardless of fluid levels in the containment; recording of detailed inspection reports; removal of debris, foreign objects and oil from the containment; and monthly reporting of recycling and reuse of produced water, drilling fluids, and liquid oil field waste via from C-148.
- [373075] XTO PERMIAN OPERATING LLC will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. [373075] XTO PERMIAN OPERATING LLC may maintain a higher liquid level if they choose.
- If less than 20% of the total fluid capacity is utilized every consecutive six months, operation of the facility is considered ceased and a notification of cessation of operations should be sent electronically through OCD Permitting. An extension to extend the cessation of operations, not to exceed six months, may be submitted using a C-147 form through the OCD Online system.
- If after that 6-month extension period, the containment is not utilized at a minimum of 20% fluid capacity, no additional extensions would be granted, and the operator would be directed to remove all fluids and proceed with the closure requirements.
- The recycling containment is bonded pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC. Water reuse and recycling from for 2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241] is limited to wells owned or operated by [373075] XTO PERMIAN OPERATING LLC.
- A minimum of 3-feet freeboard must be maintained in the recycling containment at all times.
- [373075] XTO PERMIAN OPERATING LLC will comply with 19.15.29 NMAC Releases in the event of any release of produced water or produced water or other oil field wastes at for 2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241]. [373075] XTO PERMIAN OPERATING LLC will comply with all other OCD rules.
- [373075] XTO PERMIAN OPERATING LLC must perform weekly inspections of the containment and leak detection system.
- If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past February 28, 2025, a registration/permit extension request must be submitted to OCD. Extension requests are reviewed on a case-by-case basis and evaluated on their merit. Extensions are considered for a maximum length of one year. Additional requests must be submitted to OCD through OCD Online on a Form C-147 (long form) as an Extension request and should include a formal extension request letter, a summary of the prior registration/permit period inspection reports, and the copies of the detailed inspection records for the prior permit period. The extension request should be submitted no later than January 28, 2025.

Regards,

**Victoria Venegas** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. Artesia, NM 88210  
(575) 909-0269 | [Victoria.Venegas@emnrd.nm.gov](mailto:Victoria.Venegas@emnrd.nm.gov)  
<https://www.emnrd.nm.gov/oed/>



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 305922

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  305922
	Action Type:  [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	2RF-126 - REMUDA RECYCLING FACILITY ID [fAB1805958241] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of February 28, 2024. The new registration/permit expiration date is February 28, 2025. • If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past February 28, 2025, a registration/permit extension request must be submitted to OCD no later than January 28, 2025. The monthly recycling and reuse report of produced water must be submitted through OCD Permitting on form C-148.	1/31/2024