



September 5, 2025

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

From: Kristen Houston
Regulatory Analyst
XTO Permian Operating, LLC (OGRID: 373075)
6401 Holiday Hill Road, Bldg 5
Midland, TX 79707

Subject: PLU Central 2 Recycling Facility
Administrative Order 2RF-124
Facility ID fAB1805931927

Victoria,

XTO Permian Operating, LLC (OGRID: 373075)—hereafter "XTO"—respectfully requests a one-year extension to the existing C-147 permit for the PLU Central 2 Recycling Facility (Administrative Order: 2RF-124; Facility ID: fAB1805931927)—hereafter "PLUC 2." XTO respectfully requests the C-147 permit for PLUC 2 be extended from February 27, 2025 to February 27, 2026.

Please find attached the weekly leak detection logs (measured in US gallons) for the recycling containments at PLUC 2 as re-verified by XTO Operations.

A variance was noted for the reading recorded on 2024-03-09 of 3,419 US gallons of water recovered from the leak detection sump on pit 2RF-123A (the western pit; pit numbering per pab1805932043). After consultation between XTO Operations and XTO Engineering, it is believed that this variance was due to a tear in the liner above the water line, near the top of the pond. This tear was promptly repaired.

On May 23, 2024, an additional liner repair requirement was identified on pit 2RF-123A. The pit 2RF-123A was drained, cleaned, and then repaired. The patch job on 2RF-123A was completed by August 1, 2024, when the pit was inspected before refilling on August 2, 2024. Between May and August, the leak detection pump on pit 2RF-123A was run when water was noticed in the leak detection sump, otherwise, the pit was kept empty.

Due to the previous liner issues identified, the primary liner on pit 2RF-123A was subsequently replaced in-kind during a short period of non-operation of pit 2RF-123A later in the year as shown by the "pond empty" line items starting in October 2024. This liner replacement-in-kind was completed in early 2025. During the time of this liner replacement-in-kind on pit 2RF-123A, pit 2RF-123B was kept operational. Please find attached the QC report for the liner replacement-in-kind for pit 2RF-123A.

Please note: a standardized operating procedure for weekly leak detection is being developed by XTO Operations and XTO Engineering to improve reliability of leak detection reporting and will be implemented moving forward.



September 5, 2025

Please note: XTO Regulatory and XTO Engineering have taken steps to ensure XTO Operations provides timely notice of pond leaks to ensure that the NM OCD will be notified by XTO Regulatory within 48 hours of future primary liner integrity issues and repair plans.

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

Sincerely,

A handwritten signature in black ink that reads "Kristen Houston".

Kristen Houston
Regulatory Analyst

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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): PLU Central 2 Recycling Facility
 OCD Permit Number: 2RF-124/fAB1805931927 (For new facilities the permit number will be assigned by the district office)
 U/L or Qtr/Qtr A/H Section 11 Township 25S Range 30E County: Eddy
 Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
 Location of recycling facility (if applicable): Latitude 32.150690 Longitude -103.847266 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 32.148685 Longitude -103.847273 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 705' 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 Advisor
Signature: *Kristen Houston* Date: 09/09/2025
e-mail address: kristen.houston@exxonmobil.com Telephone: (432)894-1588

11.

OCD Representative Signature: *Victoria Venegas* Approval Date: 10/09/2025

Title: Environmental Specialist OCD Permit Number: 2RF-124

- ☒ OCD Conditions
☒ Additional OCD Conditions on Attachment

PLU CENTRAL 2 FRAC PIT						
LEAK DETECTION DATA						
EAST PIT: Brackish Water						
Month	Action	Date	Pump Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-24	INITIAL Pond Drain	01/05/24		12	-	ran to empty D/A
	24 HR Leak Detection		24hr		12.00	
	INITIAL Pond Drain	01/11/24		28	-	ran to empty -AO
	24 HR Leak Detection		24hr		28.00	
	INITIAL Pond Drain	01/19/24		125	-	ran to empty -JD
	24 HR Leak Detection		24hr		125.00	
	INITIAL Pond Drain	01/30/24		86	-	ran to empty -AO
	24 HR Leak Detection		24hr		86.00	
Feb-24	INITIAL Pond Drain	02/09/24		128	-	ran to empty -JD
	24 HR Leak Detection		24hr		128.00	
	INITIAL Pond Drain	02/15/24		265	-	ran to empty LG
	24 HR Leak Detection		24hr		265.00	
	INITIAL Pond Drain	02/19/24		300	-	ran to empty -JD
	24 HR Leak Detection		24hr		300.00	
	INITIAL Pond Drain	02/28/24		174	-	ran to empty LG
	24 HR Leak Detection		24hr		174.00	
Mar-24	INITIAL Pond Drain	03/04/23		331	-	ran to empty -JD
	24 HR Leak Detection		24hr		331.00	
	INITIAL Pond Drain	03/09/24		267	-	ran to empty LG
	24 HR Leak Detection		24hr		267.00	
	INITIAL Pond Drain	03/18/24		278	-	ran to empty -JD
	24 HR Leak Detection		24hr		278.00	
	INITIAL Pond Drain	03/23/24		128	-	ran to empty LG
	24 HR Leak Detection		24 Hr		128.00	
Apr-24	INITIAL Pond Drain	04/02/24		13	-	ran to empty -JD
	24 HR Leak Detection		24HR		13.00	
	INITIAL Pond Drain	04/08/24		196	-	ran to empty LG
	24 HR Leak Detection		24hr		196.00	
	INITIAL Pond Drain	04/14/24		174	-	ran to empty -JD
	24 HR Leak Detection		24hr		174.00	
	INITIAL Pond Drain	04/19/24		268	-	ran to empty LG
	24 HR Leak Detection		24 hr		268.00	
May-24	INITIAL Pond Drain	05/05/24		449	-	ran to empty LG
	24 HR Leak Detection		24hr		449.00	
	INITIAL Pond Drain	05/12/24		515	-	ran to empty -JD
	24 HR Leak Detection		24hr		515.00	
	INITIAL Pond Drain	05/18/24		800	-	ran to empty LG
	24 HR Leak Detection		24hr		800.00	
	INITIAL Pond Drain	05/24/24		361	-	ran to empty -JD
	24 HR Leak Detection		24hr		361.00	
Jun-24	INITIAL Pond Drain	06/03/24		325	-	ran to empty LG
	24 HR Leak Detection		24hr		325.00	
	INITIAL Pond Drain	06/06/24		641	-	ran to empty -JD
	24 HR Leak Detection		24hr		641.00	
	INITIAL Pond Drain	06/17/24		235	-	ran to empty LG
	24 HR Leak Detection		24hr		235.00	
	INITIAL Pond Drain	06/29/24		215	-	ran to empty LG
	24 HR Leak Detection		24hr		215.00	
Jul-24	INITIAL Pond Drain	07/07/24		280	-	ran to empty -JD
	24 HR Leak Detection		24hr		280.00	
	INITIAL Pond Drain	07/13/24		0	-	pump not working electrician notified LG
	24 HR Leak Detection		24hr		-	
	INITIAL Pond Drain	07/18/24		0	-	waiting on pump -JD
	24 HR Leak Detection		24hr		-	
	INITIAL Pond Drain	07/26/24		0	-	waiting on pump LG
	24 HR Leak Detection		24hr		-	
Aug-24	INITIAL Pond Drain	08/03/24		82	-	pump fixed. ran to empty -JD
	24 HR Leak Detection		24hr		82.00	
	INITIAL Pond Drain	08/12/24		30	-	ran to empty LG
	24 HR Leak Detection		24hr		30.00	
	INITIAL Pond Drain	08/16/24		301	-	ran to empty -JD
	24 HR Leak Detection		24hr		301.00	
	INITIAL Pond Drain	08/23/24		75	-	ran to empty LG
	24 HR Leak Detection		24hr		75.00	
Sep-24	INITIAL Pond Drain	09/01/24		171	-	ran to empty -JD
	24 HR Leak Detection		24hr		171.00	
	INITIAL Pond Drain	09/13/24		160	-	ran to empty LG
	24 HR Leak Detection		24hr		160.00	
	INITIAL Pond Drain	09/19/24		120	-	ran to empty -JD
	24 HR Leak Detection		24hr		120.00	
	INITIAL Pond Drain	09/28/24		98	-	ran to empty LG
	24 HR Leak Detection		24hr		98.00	
Oct-24	INITIAL Pond Drain	10/11/24		101	-	ran to empty -JD
	24 HR Leak Detection		24hr		101.00	
	INITIAL Pond Drain	10/18/24		109	-	ran to empty LG
	24 HR Leak Detection		24hr		109.00	
	INITIAL Pond Drain	10/29/24		115	-	ran to empty D/A
	24 HR Leak Detection		24hr		115.00	

	INITIAL Pond Drain	10/30/24		141	-	ran to empty LG
	24 HR Leak Detection		24hr		141.00	
Nov-24	INITIAL Pond Drain	11/01/24		167	-	ran to empty LG
	24 HR Leak Detection		24hr		167.00	
	INITIAL Pond Drain	11/08/24		143	-	ran to empty D/A
	24 HR Leak Detection		24hr		143.00	
	INITIAL Pond Drain	11/16/24		150	-	ran to empty LG
	24 HR Leak Detection		24hr		150.00	
Dec-24	INITIAL Pond Drain	11/30/24		120	-	ran to empty LG
	24 HR Leak Detection		24hr		120.00	
	INITIAL Pond Drain	12/08/24		116	-	ran to empty -JD
	24 HR Leak Detection		24hr		116.00	
	INITIAL Pond Drain	12/14/24		120	-	ran to empty LG
	24 HR Leak Detection		24hr		120.00	
	INITIAL Pond Drain	12/23/24		132	-	ran to empty -JD
	24 HR Leak Detection		24hr		132.00	
	INITIAL Pond Drain	12/29/24		120	-	ran to empty LG
	24 HR Leak Detection		24hr		120.00	

West PIT: Recycled Produced Water

Month	Action	Date	Pump Time	Volume Recovered from Sump (gal)	Meter Start/Stop	NOTES:
Jan-24	INITIAL Pond Drain	01/05/24		355	-	ran to empty D/A
	24 HR Leak Detection		24hr		355.00	
	INITIAL Pond Drain	01/11/24		256	-	ran to empty -AO
	24 HR Leak Detection		24hr		256.00	
	INITIAL Pond Drain	01/19/24		388	-	ran to empty -JD
	24 HR Leak Detection		24hr		388.00	
Feb-24	INITIAL Pond Drain	01/30/24			-	ran to empty -AO
	24 HR Leak Detection		24hr		-	
	INITIAL Pond Drain	02/09/24		282	-	ran to empty -JD
	24 HR Leak Detection		24hr		282.00	
	INITIAL Pond Drain	02/15/24		333	-	ran to empty LG
	24 HR Leak Detection		24hr		333.00	
Mar-24	INITIAL Pond Drain	02/19/24		173	-	ran to empty -JD
	24 HR Leak Detection		24hr		173.00	
	INITIAL Pond Drain	02/28/24		268	-	ran to empty LG
	24 HR Leak Detection		24hr		268.00	
	INITIAL Pond Drain	03/04/23		762	-	ran to empty -JD
	24 HR Leak Detection		24hr		762.00	
Apr-24	INITIAL Pond Drain	03/09/24		3,419	-	ran to empty LG
	24 HR Leak Detection		24hr		3,419.00	
	INITIAL Pond Drain	03/18/24		1,931	-	ran to empty -JD
	24 HR Leak Detection		24hr		1,931.00	
	INITIAL Pond Drain	03/23/24		285	-	ran to empty LG
	24 HR Leak Detection		24 hr		285.00	
May-24	INITIAL Pond Drain	04/02/24		1,060	-	ran to empty -JD
	24 HR Leak Detection		24HR		1,060.00	
	INITIAL Pond Drain	04/08/24		15	-	ran to empty LG
	24 HR Leak Detection		24hr		15.00	
	INITIAL Pond Drain	04/14/24		485	-	ran to empty -JD
	24 HR Leak Detection		24hr		485.00	
Jun-24	INITIAL Pond Drain	04/19/24		129	-	ran to empty LG
	24 HR Leak Detection		24 hr		129.00	
	INITIAL Pond Drain	05/05/24		112	-	ran to empty LG
	24 HR Leak Detection		24hr		112.00	
	INITIAL Pond Drain	05/12/24		119	-	ran to empty -JD
	24 HR Leak Detection		24hr		119.00	
Jul-24	INITIAL Pond Drain	05/18/24		24	-	ran to empty LG
	24 HR Leak Detection		24hr		24.00	
	INITIAL Pond Drain	05/24/24		34	-	started draining west pit to patch liner 5/23/2024
	24 HR Leak Detection		24hr		34.00	pump ran to empty -JD
	INITIAL Pond Drain	06/03/24		0	-	5/31/24 Started cleaning S.W corner for patching.
	24 HR Leak Detection		24hr		-	6/4/24 completed cleanout LG
Aug-24	INITIAL Pond Drain	06/06/24		237	-	6/5/24 Big D going to inspect and repair Liner. Still draining
	24 HR Leak Detection		24hr		237.00	between liners -JD
	INITIAL Pond Drain	06/17/24		15	-	ran to empty LG
	24 HR Leak Detection		24hr		15.00	
	INITIAL Pond Drain	06/29/24		pond empty	-	Lotus still cleaning sump LG
	24 HR Leak Detection		24hr		pond empty	
Sep-24	INITIAL Pond Drain	07/07/24		pond empty	-	-JD
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	07/13/24		pond empty	-	7/13/24 BigD patched liner holes LG
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	07/18/24		pond empty	-	-JD
	24 HR Leak Detection		24hr		pond empty	
Oct-24	INITIAL Pond Drain	07/26/24		pond empty	-	LG
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	08/03/24		pond empty	-	8/1/24 checked under poly suction stingers for holes, found
	24 HR Leak Detection		24hr		pond empty	none. 8/2/24 started filling pond for leak test. JD
	INITIAL Pond Drain	08/12/24		74	-	ran to empty LG
	24 HR Leak Detection		24hr		74.00	
Nov-24	INITIAL Pond Drain	08/16/24		38	-	ran to empty -JD
	24 HR Leak Detection		24hr		38.00	
	INITIAL Pond Drain	08/23/24		13	-	ran to empty LG
	24 HR Leak Detection		24hr		13.00	
	INITIAL Pond Drain	09/01/24		28	-	ran to empty -JD
	24 HR Leak Detection		24hr		28.00	
Dec-24	INITIAL Pond Drain	09/13/24		55	-	ran to empty LG
	24 HR Leak Detection		24hr		55.00	

Sep-24	INITIAL Pond Drain	09/19/24		49	-	ran to empty -JD
	24 HR Leak Detection		24hr		49.00	
	INITIAL Pond Drain	09/28/24		366	-	begin pond drain for liner replacement LG
	24 HR Leak Detection		24hr		366.00	
Oct-24	INITIAL Pond Drain	10/11/24		25	-	ran to empty -JD
	24 HR Leak Detection		24hr		25.00	
	INITIAL Pond Drain	10/18/24		40	-	ran to empty -LG
	24 HR Leak Detection		24hr		40.00	
	INITIAL Pond Drain	10/29/24		200	-	10/25/24 Begin sump drain for liner replacement D/A
	24 HR Leak Detection		24hr		200.00	
	INITIAL Pond Drain	10/30/24		pond empty	-	LG
	24 HR Leak Detection		24hr		pond empty	
Nov-24	INITIAL Pond Drain	11/01/24		pond empty	-	pond empty LG
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	11/08/24		pond empty	-	pond empty D/A
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	11/16/24		pond empty	-	pond empty LG
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	11/30/24		pond empty	-	pond empty LG
	24 HR Leak Detection		24hr		pond empty	
Dec-24	INITIAL Pond Drain	12/08/24		pond empty	-	pond empty -JD
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	12/14/24		pond empty	-	pond empty LG
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	12/23/24		pond empty	-	pond empty -JD
	24 HR Leak Detection		24hr		pond empty	
	INITIAL Pond Drain	12/29/24		pond empty	-	pond empty LG
	24 HR Leak Detection		24hr		pond empty	

environmental services
MUSTANG
extreme

5049 EDWARDS RANCH RD STE 240
FORT WORTH TX 76109
PHONE: 817-441-1235
WWW.MUSTANGEXTREME.COM

PLU Northwest Clean Out & Reline
60 Mil HDPE Textured Grey
XT0

REVISION: 0
DATE: MAR 2025
NOT TO SCALE
DRAWN BY: TR

PRIMARY LINER LAYOUT

REPAIR PATCH
R-22 R-33
PANEL # DESTUCT
P-97 P-20

LINEAR SEAMS

W N E
S

SHEET NO.
1 OF 1

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The diagram illustrates the primary liner layout for a project, showing a grid of panels (P1-P76) and seams (R1-R10, D1-D10). The layout is divided into sections by vertical and horizontal lines, with panel numbers and seam identifiers placed along these lines. A legend in the top right corner defines the symbols used: R-22 and R-33 for repair patches, P-97 and P-20 for panel destruction, and a line for linear seams. A compass rose indicates North is towards the top right. The layout is divided into sections by vertical and horizontal lines, with panel numbers and seam identifiers placed along these lines.

Released to Imaging: 10/9/2025 10:39:16 AM

W053782



Trial Weld Log

Project Name	XTO PLU North West Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Minimum (ppi)	
Peel Fusion	91
Peel Extrusion	78
Shear	120

Date	Time	Tech				Peel (ppi)					Shear (ppi)					Pass/Fail					
			Wedge/Gun #	Temp	Speed/Preheat	1	2	3	4	5	1	2	3	4	5						
3/20/25	0836	N.K	1645	850	500	120	114	123	106	123	119	122	113	117	121	178	170	168	170	173	Pass
3/20/25	0835	H.T	68	860	600	145	138	142	140	154	133	145	134	140	145	178	174	168	180	175	Pass
3/20/25	0915	A.O	3545	860	500	117	118	119	115	120	125	127	119	124	118	164	161	157	153	164	Pass
3/20/25	1306	N.K	1645	850	500	125	130	127	120	129	120	127	120	119	118	137	142	136	128	145	Pass
3/20/25	1310	H.T	68	860	600	130	127	124	119	137	120	117	125	116	131	149	147	152	130	145	Pass
3/20/25	1305	A.O	3545	860	500	130	137	122	119	112	120	127	129	113	110	164	157	167	160	149	Pass
3/21/25	0753	N.K	1645	850	500	118	119	113	123	128	127	124	119	111	116	150	174	164	154	162	Pass
3/21/25	0755	H.T	68	850	600	122	128	127	123	128	128	121	125	118	118	176	181	186	174	176	Pass
3/21/25	0800	A.O	3545	860	600	124	133	137	124	138	136	109	122	118	122	170	158	164	170	174	Pass
3/21/25	1310	N.K	1645	850	600	118	120	115	118	110	109	103	117	116	118	154	160	164	164	154	Pass
3/21/25	1308	B.K	68	850	500	109	109	97	101	114	116	103	114	117	125	157	159	140	138	148	Pass
3/21/25	1307	A.O	3545	860	550	104	109	115	122	129	108	106	121	120	125	148	157	154	143	157	Pass
3/21/25	1530	B.K	4857	850	600	114	120	124	120	127	119	117	112	127	120	140	136	144	127	132	Pass
3/22/25	0720	NK	1645	850	500	130	127	114	120	122	118	107	140	121	127	148	156	136	150	143	Pass
3/22/25	0735	A.O	3545	860	550	115	119	119	111	123	142	110	124	123	119	169	172	152	162	147	Pass
3/22/25	0741	H.T	4857	860	500	117	101	112	137	182	182	116	112	124	118	136	143	154	173	156	Pass
3/22/25	1310	RM	1262	550	500	127	X	118	X	121	X	124	X	127	X	122	130	134	140	139	Pass
3/22/25	1315	SS	368	500	500	124	X	112	X	119	X	120	X	124	X	134	146	140	130	133	Pass
3/23/25	0754	RM	368	550	500	120	X	115	X	123	X	128	X	134	X	121	127	120	137	132	Pass
3/23/25	0741	H.T	841	550	530	93	X	97	X	108	X	119	X	120	X	173	147	160	172	164	Pass
3/24/25	0810	R.M	841	550	500	130	X	118	X	125	X	120	X	125	X	145	144	150	162	155	Pass
3/24/25	0817	S.S	368	500	500	94	X	103	X	92	X	122	X	126	X	154	155	153	161	157	Pass

Mustang Extreme Environmental Services

Trial Weld Log

Project Name	XTO PLU North West Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas



Minimum (ppi)	
Peel Fusion	91
Peel Extrusion	78
Shear	120

Date	Time	Tech					Peel (ppi)					Shear (ppi)					Pass/Fail
			Wedge/Gun #	Temp	Speed/Preheat		1	2	3	4	5	1	2	3	4	5	
3/25/25	0847	H.T	841	550	450		102 X	111 X	99 X	100 X	104 X	124	129	117	120	121	Pass
3/25/25	1312	H.T	3545	850	600		128	119	120	117	127	130	138	129	135	141	Pass
3/26/25	0720	K.M	262	600	500		124 X	130 X	120 X	129 X	134 X	140	149	142	137	150	Pass
3/26/25	0726	H.T	3545	850	500		128	124	129	130	125	161	159	167	160	170	Pass

Mustang Extreme Environmental Services

Destruct Log

Project Name	XTO PLU North West Clean-Out &
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas



Minimum (ppi)	
Peel Fusion	91
Peel Extrusion	78
Shear	120

Sample	Seam	Weld Date/Tech/Machine			Peel (ppi)					Shear (ppi)					Pass/Fail					
		Date	Tech	ID	1	2	3	4	5	1	2	3	4	5						
DS- 1	2-3	3/20/25	N.K	1645	135	103	67	127	112	108	128	118	125	112	173	168	176	160	164	Pass
DS- 2	3-4	3/20/25	A.O	3545	99	125	120	125	114	120	129	130	108	116	172	172	180	167	180	Pass
DS- 3	4-5	3/20/25	H.T	68	94	92	87	74	103	72	81	99	102	97	131	140	150	142	137	Pass
DS- 4	5-6	3/20/25	A.O	3545	139	137	117	121	108	103	116	118	131	119	157	166	152	170	162	Pass
DS- 5	7-8	3/20/25	H.T	68	127	143	107	133	122	123	120	130	121	110	169	169	172	158	162	Pass
DS- 6	15-16	3/20/25	A.O	3545	122	107	105	103	107	99	118	123	105	115	151	169	155	143	168	Pass
DS- 7	21-22	3/20/25	A.O	3545	167	143	102	101	122	117	105	137	118	122	167	148	160	159	165	Pass
DS- 8	29-30	3/20/25	H.T	68	91	93	118	139	122	96	114	123	134	114	164	156	145	169	153	Pass
DS- 9	6-36	3/21/25	H.T	68	105	106	120	112	109	115	103	110	109	108	165	169	149	155	174	Pass
DS- 10	36-37	3/21/25	A.O	3545	124	115	96	102	120	111	103	103	111	123	165	165	150	143	149	Pass
DS- 11	32-33	3/21/25	H.T	68	116	113	102	99	117	110	111	131	87	106	163	157	164	172	168	Pass
DS- 12	33-34	3/21/25	A.O	3545	131	125	109	121	119	106	130	126	113	123	165	165	170	159	156	Pass
DS- 13	34-35	3/21/25	A.O	3545	109	113	118	124	117	107	120	118	125	118	162	163	168	170	165	Pass
DS- 14	40-46	3/21/25	A.O	3545	107	123	110	120	115	112	101	120	115	109	159	165	160	154	160	Pass
DS- 15	41-42	3/21/25	B.K	68	102	100	103	115	120	116	98	106	128	101	163	163	172	158	167	Pass
DS- 16	47-48	3/21/25	A.O	3545	107	125	102	108	103	112	107	81	115	110	157	151	160	152	168	Pass
DS- 17	48-49	3/21/25	N.K	1645	105	125	108	108	117	139	101	109	114	120	158	149	144	156	160	Pass

Mustang Extreme Environmental Services

Destruct Log

Project Name	XTO PLU North West Clean-Out &
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas



Minimum (ppi)	
Peel Fusion	91
Peel Extrusion	78
Shear	120

Sample	Seam	Weld Date/Tech/Machine			Peel (ppi)										Shear (ppi)					Pass/Fail
		Date	Tech	ID	1	2	3	4	5	1	2	3	4	5						
DS-18	45-51	3/21/25	B.K	4857	109	103	103	99	104	109	98	102	98	115	137	144	153	149	158	Pass
DS-19	51-64	3/22/25	H.T	4857	102	84	112	121	113	108	83	111	110	120	154	161	158	165	169	Pass
DS-20	52-53	3/22/25	H.T	4857	119	120	110	120	127	111	91	118	115	119	135	152	155	146	142	Pass
DS-21	52-61	3/22/25	N.K	1645	102	107	107	105	107	116	107	113	112	110	150	159	153	149	161	Pass
DS-22	51-67	3/22/25	N.K	1645	112	117	120	127	117	110	108	111	113	119	160	154	158	163	164	Pass

Mustang Extreme Environmental Services



Deployment

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Date	Panel ID	Roll ID	Width	Length	SF
3/20/25	P 1	4954	24.0	432	10,368
3/20/25	P 2	4955	24.0	443	10,632
3/20/25	P 3	4958	24.0	440	10,560
3/20/25	P 4	4952	24.0	430	10,320
3/20/25	P 5	4953	24.0	420	10,080
3/20/25	P 6	4934	24.0	420	10,080
3/20/25	P 7	4943	24.0	75	1,800
3/20/25	P 8	4943	24.0	46	1,104
3/20/25	P 9	4943	24.0	22	528
3/20/25	P 10	4943	24.0	23	552
3/20/25	P 11	4943	24.0	44	1,056
3/20/25	P 12	4943	24.0	73	1,752
3/20/25	P 13	4943	24.0	71	1,704
3/20/25	P 14	4943	24.0	73	1,752
3/20/25	P 15	4943	24.0	72	1,728
3/20/25	P 16	4937	24.0	75	1,800
3/20/25	P 17	4937	24.0	72	1,728
3/20/25	P 18	4937	24.0	74	1,776
3/20/25	P 19	4937	24.0	74	1,776
3/20/25	P 20	4937	24.0	71	1,704
3/20/25	P 21	4937	24.0	72	1,728
3/20/25	P 22	4937	24.0	72	1,728
3/20/25	P 23	4957	24.0	74	1,776
3/20/25	P 24	4957	24.0	68	1,632
3/20/25	P 25	4957	24.0	71	1,704
3/20/25	P 26	4937	24.0	50	1,200
3/20/25	P 27	4957	24.0	24	576
3/20/25	P 28	4957	24.0	23	552
3/20/25	P 29	4957	24.0	54	1,296
3/20/25	P 30	4957	24.0	81	1,944
3/21/25	P 31	4958	24.0	120	2,880
3/21/25	P 32	4954	24.0	128	3,072
3/21/25	P 33	4952	24.0	130	3,120
3/21/25	P 34	4953	24.0	140	3,360
3/21/25	P 35	4934	24.0	140	3,360

Install by Date	
TOTAL	257,472
3/15/25	-
3/16/25	-
3/17/25	-
3/18/25	-
3/19/25	-
3/20/25	96,936
3/21/25	116,952
3/22/25	31,128
3/23/25	-
3/24/25	-
3/25/25	12,456
3/26/25	-
3/27/25	-
3/28/25	-

Mustang Extreme Environmental Services



Deployment

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Date	Panel ID	Roll ID	Width	Length	SF
3/21/25	P 36	4938	24.0	369	8,856
3/21/25	P 37	4939	24.0	380	9,120
3/21/25	P 38	4936	24.0	378	9,072
3/21/25	P 39	4921	24.0	368	8,832
3/21/25	P 40	4932	24.0	318	7,632
3/21/25	P 41	4932	24.0	242	5,808
3/21/25	P 42	4921	24.0	192	4,608
3/21/25	P 43	4938	24.0	191	4,584
3/21/25	P 44	4936	24.0	180	4,320
3/21/25	P 45	4957	24.0	165	3,960
3/21/25	P 46	4929	24.0	178	4,272
3/21/25	P 47	4929	24.0	180	4,320
3/21/25	P 48	4949	24.0	221	5,304
3/21/25	P 49	4949	24.0	214	5,136
3/21/25	P 50	4913	24.0	200	4,800
3/21/25	P 51	4925	24.0	439	10,536
3/22/25	P 52	4939	24.0	174	4,176
3/22/25	P 53	4925	24.0	73	1,752
3/22/25	P 54	4913	24.0	63	1,512
3/22/25	P 55	4913	24.0	38	912
3/22/25	P 56	4949	24.0	40	960
3/22/25	P 57	4949	24.0	60	1,440
3/22/25	P 58	4950	24.0	75	1,800
3/22/25	P 59	4950	24.0	73	1,752
3/22/25	P 60	4950	24.0	72	1,728
3/22/25	P 61	4950	24.0	69	1,656
3/22/25	P 62	4950	24.0	69	1,656
3/22/25	P 63	4950	24.0	70	1,680
3/22/25	P 64	4950	24.0	84	2,016
3/22/25	P 65	4951	24.0	84	2,016
3/22/25	P 66	4951	24.0	90	2,160
3/22/25	P 67	4951	24.0	79	1,896
3/22/25	P 68	4951	24.0	84	2,016
3/25/25	P 69	4930	24.0	84	2,016
3/25/25	P 70	4930	24.0	82	1,968

Mustang Extreme Environmental Services



Deployment

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Date	Panel ID	Roll ID	Width	Length	SF
3/25/25	P 71	4930	24.0	70	1,680
3/25/25	P 72	4955	24.0	50	1,200
3/25/25	P 73	4930	24.0	24	576
3/25/25	P 74	4955	24.0	52	1,248
3/25/25	P 75	4930	24.0	71	1,704
3/25/25	S 76	4930	24.0	86	2,064

Mustang Extreme Environmental Services



Repair Log

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Repair Codes

CR- Crease	BO- Burn out	PB- Pipe Boot	CF- Custom Fit	Test Type
DS- Destruct Sample	LL- Lost Lap	MatD- Material Defect	MD- Mechanical Damage	V-Vacuum
SI- Subgrade Integrity	WR- Wrinkle	WS- Welder Restart	DO- Damage by Others	S-Spark
SJ- Seam Joint	AV- Airvent	RW- Roller Wrinkle	AT- Air Test	No Test
FS- Failed Seam	AO- Add On	FM- Fishmouth		

Repair							Test	
ID	Date	Tech	Machine	Panel #(s) Locations	Code	Type	Pass/Fail	
R- 1	3/24/25	R.M	841	P3-P4 NAT	AT	Vacuum	Pass	
R- 2	3/24/25	S.S	368	P2-P3 SAT	AT	Vacuum	Pass	
R- 3	3/24/25	R.M	841	P2-P3 NAT. DS-1	DS	Vacuum	Pass	
R- 4	3/24/25	S.S	368	P3-P4. 60' SAT. DS2	DS	Vacuum	Pass	
R- 5	3/24/25	S.S	368	P27 EAT - 5' SOS	MatD	Vacuum	Pass	
R- 6	3/23/25	H.T	841	P4-P5. 100' SAT	BO	Vacuum	Pass	
R- 7	3/23/25	R.M	368	P4-P5 341' SAT DS-3	DS	Vacuum	Pass	
R- 8	3/23/25	H.T	841	P5-P6. 347' NAT	WR	Vacuum	Pass	
R- 9	3/23/25	H.T	841	P5-P6. 367' NAT DS-4	DS	Vacuum	Pass	
R- 10	3/24/25	S.S	368	P1-7-12-13	SJ	Vacuum	Pass	
R- 11	3/24/25	S.S	368	P1-7 SAT	AT	Vacuum	Pass	
R- 12	3/24/25	S.S	368	P7-8 10' SAT. DS-5	DS	Vacuum	Pass	
R- 13	3/24/25	S.S	368	P7-8-11-12	SJ	Vacuum	Pass	
R- 14	3/24/25	S.S	368	P8-9-10-11	SJ	Vacuum	Pass	
R- 15	3/24/25	S.S	368	P7-12	BO	Vacuum	Pass	
R- 16	3/24/25	S.S	368	P1-13-14	SJ	Vacuum	Pass	
R- 17	3/24/25	S.S	368	P1-14-15	SJ	Vacuum	Pass	
R- 18	3/24/25	S.S	368	P1-15-16	SJ	Vacuum	Pass	
R- 19	3/24/25	S.S	368	R15-16 50' EAT. DS-6	DS	Vacuum	Pass	
R- 20	3/24/25	S.S	368	P1-16-17	SJ	Vacuum	Pass	
R- 21	3/24/25	R.M	841	P1-17-18	SJ	Vacuum	Pass	
R- 22	3/24/25	R.M	841	P17-18. EAT	AT	Vacuum	Pass	
R- 23	3/24/25	R.M	841	P1-18-19	SJ	Vacuum	Pass	
R- 24	3/24/25	R.M	841	P1-19-20	SJ	Vacuum	Pass	
R- 25	3/24/25	R.M	841	P1-20-21	SJ	Vacuum	Pass	
R- 26	3/24/25	R.M	841	P1-21-22. DS-7	DS	Vacuum	Pass	
R- 27	3/24/25	R.M	841	P1-22-23	SJ	Vacuum	Pass	
R- 28	3/24/25	R.M	841	P1-23-24	SJ	Vacuum	Pass	

Mustang Extreme Environmental Services



Repair Log

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Repair Codes

CR- Crease	BO- Burn out	PB- Pipe Boot	CF- Custom Fit	Test Type
DS- Destruct Sample	LL- Lost Lap	MatD- Material Defect	MD- Mechanical Damage	V-Vacuum
SI- Subgrade Integrity	WR- Wrinkle	WS- Welder Restart	DO- Damage by Others	S-Spark
SJ- Seam Joint	AV- Airvent	RW- Roller Wrinkle	AT- Air Test	No Test
FS- Failed Seam	AO- Add On	FM- Fishmouth		

Repair							Test	
ID	Date	Tech	Machine	Panel #(s) Locations	Code	Type	Pass/Fail	
R- 29	3/24/25	R.M	841	P1-24-25-30	SJ	Vacuum	Pass	
R- 30	3/24/25	R.M	841	P24-25. 58' EAT	BO	Vacuum	Pass	
R- 31	3/24/25	R.M	841	P25-26-29-30	SJ	Vacuum	Pass	
R- 32	3/24/25	R.M	841	P26-27-28-29	SJ	Vacuum	Pass	
R- 33	3/24/25	R.M	841	P26-27. 3' EAT	BO	Vacuum	Pass	
R- 34	3/24/25	R.M	841	P27-28. 4' NEAT	BO	Vacuum	Pass	
R- 35	3/24/25	R.M	841	P29-30. 15' NAT. DS-8	DS	Vacuum	Pass	
R- 36	3/23/25	R.M	368	P6-36. 67' NAT. DS-9	DS	Vacuum	Pass	
R- 37	3/23/25	H.T	841	P6-31-36	SJ	Vacuum	Pass	
R- 38	3/23/25	H.T	841	P31-32-36-37. DS-10	DS	Vacuum	Pass	
R- 39	3/23/25	H.T	841	P32-33-37-38. DS-11	DS	Vacuum	Pass	
R- 40	3/23/25	H.T	841	P33-34-38-39. DS-12	DS	Vacuum	Pass	
R- 41	3/23/25	R.M	368	P38-39. 60' NAT	BO	Vacuum	Pass	
R- 42	3/23/25	H.T	841	P34-35-39-40. DS-13	DS	Vacuum	Pass	
R- 43	3/23/25	H.T	841	P35-40-46	SJ	Vacuum	Pass	
R- 44	3/23/25	R.M	368	P40-41-46. DS-14	DS	Vacuum	Pass	
R- 45	3/23/25	R.M	368	P41-42-46-47. DS-15	DS	Vacuum	Pass	
R- 46	3/23/25	R.M	368	P42-43-47-48. DS-16	DS	Vacuum	Pass	
R- 47	3/23/25	HT	841	P47-48. 48' SAT	WR	Vacuum	Pass	
R- 48	3/23/25	R.M	368	P43-44-48-49. DS-17	DS	Vacuum	Pass	
R- 49	3/23/25	R.M	368	P44-45-49-50	SJ	Vacuum	Pass	
R- 50	3/23/25	H.T	841	P49-50. 112' SAT	BO	Vacuum	Pass	
R- 51	3/23/25	H.T	841	P49-50. 69' SAT	BO	Vacuum	Pass	
R- 52	3/23/25	R.M	368	P41-42. 107' NAT	BO	Vacuum	Pass	
R- 53	3/23/25	R.M	368	P42-43 56' NAT	AT	Vacuum	Pass	
R- 54	3/23/25	R.M	368	P42. 59' NAT - 6' WOS	MatD	Vacuum	Pass	
R- 55	3/23/25	R.M	368	P43-44. 71' NAT	BO	Vacuum	Pass	
R- 56	3/23/25	R.M	368	P44-45 52 ' NAT	BO	Vacuum	Pass	

Mustang Extreme Environmental Services



Repair Log

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Repair Codes

CR- Crease	BO- Burn out	PB- Pipe Boot	CF- Custom Fit	Test Type
DS- Destruct Sample	LL- Lost Lap	MatD- Material Defect	MD- Mechanical Damage	V-Vacuum
SI- Subgrade Integrity	WR- Wrinkle	WS- Welder Restart	DO- Damage by Others	S-Spark
SJ- Seam Joint	AV- Airvent	RW- Roller Wrinkle	AT- Air Test	No Test
FS- Failed Seam	AO- Add On	FM- Fishmouth		

Repair							Test	
ID	Date	Tech	Machine	Panel #(s) Locations	Code	Type	Pass/Fail	
R- 57	3/23/25	R.M	368	P44-45. 74' NAT	BO	Vacuum	Pass	
R- 58	3/23/25	R.M	368	P44-45-50	SJ	Vacuum	Pass	
R- 59	3/23/25	R.M	368	P45-51-50	SJ	Vacuum	Pass	
R- 60	3/23/25	R.M	368	P45-51. 49' NAT. DS-18	BO	Vacuum	Pass	
R- 61	3/26/25	K.M	262	P51-68-69	SJ	Vacuum	Pass	
R- 62	3/22/25	R.M	1262	P68-67-51	SJ	Vacuum	Pass	
R- 63	3/22/25	R.M	1262	P67-66-51. DS-22	SJ	Vacuum	Pass	
R- 64	3/22/25	R.M	1262	P66-65-51	SJ	Vacuum	Pass	
R- 65	3/22/25	R.M	1262	P65-66. 69' WAT	RW	Vacuum	Pass	
R- 66	3/22/25	R.M	1262	P65-64-51	SJ	Vacuum	Pass	
R- 67	3/22/25	R.M	1262	P65-64. 69' WAT	AT	Vacuum	Pass	
R- 68	3/22/25	R.M	1262	P64-51-52. DS-19	SJ	Vacuum	Pass	
R- 69	3/22/25	R.M	1262	P63-52-64	SJ	Vacuum	Pass	
R- 70	3/22/25	S.S	368	P62-52-63	SJ	Vacuum	Pass	
R- 71	3/22/25	S.S	368	P61-62-52. DS-21	SJ	Vacuum	Pass	
R- 72	3/22/25	S.S	368	P60-61-52	SJ	Vacuum	Pass	
R- 73	3/22/25	S.S	368	P59-60-52	SJ	Vacuum	Pass	
R- 74	3/22/25	S.S	368	P58-59-53-52. DS-20	SJ	Vacuum	Pass	
R- 75	3/22/25	S.S	368	P53-54-57-58	SJ	Vacuum	Pass	
R- 76	3/22/25	S.S	368	P54-55-56-57	SJ	Vacuum	Pass	
R- 77	3/22/25	S.S	368	61-62. WAT	AT	Vacuum	Pass	
R- 78	3/24/25	S.S	368	P22-23. EAT	AT	Vacuum	Pass	
R- 79	3/24/25	R.M	841	P41-42. NAT	AT	Vacuum	Pass	
R- 80	3/24/25	R.M	841	P44-45. NAT	AT	Vacuum	Pass	
R- 81	3/24/25	R.M	841	P45-51. NAT	BO	Vacuum	Pass	
R- 82	3/24/25	S.S	368	P31 SAT-10' WOS	MatD	Vacuum	Pass	
R- 83	3/24/25	R.M	841	P 43-44. NAT	AT	Vacuum	Pass	
R- 84	3/26/25	K.M	262	P68-69. 52' WAT	BO	Vacuum	Pass	

Mustang Extreme Environmental Services



Repair Log

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Repair Codes

CR- Crease	BO- Burn out	PB- Pipe Boot	CF- Custom Fit	Test Type
DS- Destruct Sample	LL- Lost Lap	MatD- Material Defect	MD- Mechanical Damage	V-Vacuum
SI- Subgrade Integrity	WR- Wrinkle	WS- Welder Restart	DO- Damage by Others	S-Spark
SJ- Seam Joint	AV- Airvent	RW- Roller Wrinkle	AT- Air Test	No Test
FS- Failed Seam	AO- Add On	FM- Fishmouth		

Repair							Test	
ID	Date	Tech	Machine	Panel #(s) Locations	Code	Type	Pass/Fail	
R- 85	3/26/25	K.M	262	P68. 50' WAT - 5' NOS	MatD	Vacuum	Pass	
R- 86	3/26/25	K.M	262	P69-70. 55' WAT	BO	Vacuum	Pass	
R- 87	3/26/25	K.M	262	P71 - 72 WAT	AT	Vacuum	Pass	
R- 88	3/26/25	K.M	262	P74 - 75. NAT	AT	Vacuum	Pass	
R- 89	3/26/25	K.M	262	P76-51. 56' NAT	BO	Vacuum	Pass	
R- 90	3/26/25	K.M	262	P51-69-70-76	SJ	Vacuum	Pass	
R- 91	3/26/25	K.M	262	P70-76. 60' WAT - 60 NAT	BO	Vacuum	Pass	
R- 92	3/26/25	K.M	262	P76-70. NWOS	BO	Vacuum	Pass	
R- 93	3/26/25	K.M	262	P70-71-75-76	SJ	Vacuum	Pass	
R- 94	3/26/25	K.M	262	P71-72-74-75	SJ	Vacuum	Pass	
R- 95	3/26/25	K.M	262	P72-73-74	SJ	Vacuum	Pass	
R- 96	3/26/25	K.M	262	P73-74. NAT	AT	Vacuum	Pass	
R- 97	3/26/25	K.M	262	P72-73. WAT	AT	Vacuum	Pass	

Mustang Extreme Environmental Services



Seaming and Air Test Record

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Test Pressure	30 psi
Max P Loss	<=3 psi

Seam						Air Test		
Seam Date	Seam Time	Panels	Location	Tech	Wedge #	Date	Start Time	Pass/Fail
3/20/25	0911	1-2	ELOS	H.T	68	3/20/25	1000	Pass
3/20/25	0925	2-3	ELOS	N.K	1645	3/20/25	1010	Pass
3/20/25	0936	3-4	SAT - 40'	A.O	3545	3/20/25	1022	Pass
3/20/25	0948	3-4	40 - NAT	A.O	3545	3/20/25	1025	Pass
3/20/25	1047	4-5	SAT - 100'	H.T	68	3/20/25	1328	Pass
3/20/25	1053	4-5	100' - 341'	H.T	68	3/20/25	1329	Pass
3/20/25	1103	4-5	341' - NAT	H.T	68	3/20/25	1332	Pass
3/20/25	1100	5-6	NAT - 347'	A.O	3545	3/20/25	1320	Pass
3/20/25	1117	5-6	347 - 367	A.O	3545	3/20/25	1311	Pass
3/20/25	1118	5-6	367' - SAT	A.O	3545	3/20/25	1310	Pass
3/20/25	1325	1-7	ELOS	A.O	3545	3/20/25	1400	Pass
3/20/25	1335	7-8	SAT - 10'	H.T	68	3/20/25	1411	Pass
3/20/25	1337	7-8	10' - EOS	H.T	68	3/20/25	1410	Pass
3/20/25	1330	8-9	ELOS	N.K	1645	3/20/25	1416	Pass
3/20/25	1349	9-10	ELOS	N.K	1645	3/20/25	1417	Pass
3/20/25	1314	10-11	ELOS	H.T	68	3/20/25	1418	Pass
3/20/25	1352	8-11	ELOS	N.K	1645	3/20/25	1413	Pass
3/20/25	1340	11-12	ELOS	N.K	1640	3/20/25	1414	Pass
3/20/25	1354	7-12	ESOS - 12'	N.K	1640	3/20/25	1404	Pass
3/20/25	1356	7-12	12 - NWOS	N.K	1640	3/20/25	1403	Pass
3/20/25	1343	12-13	ELOS	A.O	3545	3/20/25	1401	Pass
3/20/25	1409	13-1	ELOS	N.K	1645	3/20/25	1425	Pass
3/20/25	1355	13-14	ELOS	H.T	68	3/20/25	1423	Pass
3/20/25	1407	14-1	ELOS	N.K	1645	3/20/25	1427	Pass
3/20/25	1402	14-15	ELOS	A.O	3545	3/20/25	1430	Pass
3/20/25	1405	15-1	ELOS	N.K	1645	3/20/25	1431	Pass
3/20/25	1417	15-16	EAT - 50	A.O	3545	3/20/25	1445	Pass
3/20/25	1419	15-16	50 - EOS	A.O	3545	3/20/25	1446	Pass
3/20/25	1428	16-1	ELOS	N.K	1645	3/20/25	1447	Pass
3/20/25	1425	16-17	ELOS	H.T	68	3/20/25	1453	Pass
3/20/25	1442	17-1	ELOS	N.K	1645	3/20/25	1452	Pass
3/20/25	1437	17-18	ELOS	A.O	3545	3/20/25	1454	Pass
3/20/25	1450	18-1	ELOS	N.K	1645	3/20/25	1455	Pass
3/20/25	1437	18-19	ELOS	H.T	68	3/20/25	1500	Pass
3/20/25	1459	19-1	ELOS	N.K	1645	3/20/25	1501	Pass
3/20/25	1437	19-20	ELOS	A.O	3545	3/20/25	1510	Pass
3/20/25	1520	20-1	ELOS	N.K	1645	3/20/25	1530	Pass
3/20/25	1459	20-21	ELOS	H.T	68	3/20/25	1534	Pass
3/20/25	1525	21-1	ELOS	N.K	1645	3/20/25	1533	Pass

Mustang Extreme Environmental Services



Seaming and Air Test Record

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Test Pressure	30 psi
Max P Loss	<=3 psi

Seam						Air Test		
Seam Date	Seam Time	Panels	Location	Tech	Wedge #	Date	Start Time	Pass/Fail
3/20/25	1500	21-22	ELOS	A.O	3545	3/20/25	1537	Pass
3/20/25	1537	22-1	ELOS	N.K	1645	3/20/25	1538	Pass
3/20/25	1543	22-23	ELOS	H.T	68	3/20/25	1558	Pass
3/20/25	1600	23-1	ELOS	N.K	1645	3/21/25	0800	Pass
3/20/25	1540	23-24	ELOS	A.O	3545	3/20/25	1600	Pass
3/20/25	1607	24-1	ELOS	N.K	1645	3/21/25	0759	Pass
3/20/25	1545	24-25	EAT - 58'	N.K	1645	3/21/25	0750	Pass
3/20/25	1547	24-25	58 - EOS	N.K	1645	3/21/25	0751	Pass
3/20/25	1555	25-26	ELOS	H.T	68	3/21/25	0745	Pass
3/20/25	1626	25-30	ELOS	NK	1645	3/21/25	0747	Pass
3/20/25	1622	26-29	ELOS	NK	1645	3/21/25	0734	Pass
3/20/25	1604	26-27	EAT - 3'	AO	3545	3/21/25	0732	Pass
3/20/25	1605	26-27	3' - EOS	AO	3545	3/21/25	0732	Pass
3/20/25	1620	27-28	NEAT - 4'	H.T	68	3/21/25	0731	Pass
3/20/25	1621	27-28	4' - EOS	H.T	68	3/21/25	0733	Pass
3/20/25	1610	28-29	ELOS	AO	3545	3/21/25	0730	Pass
3/20/25	1624	29-30	NAT - 15'	H.T	68	3/21/25	0740	Pass
3/20/25	1627	29-30	15 - EOS	H.T	68	3/21/25	0741	Pass
3/21/25	0820	6 - 31	ELOS	N.K	1645	3/21/25	0850	Pass
3/21/25	0827	31-32	ELOS	A.O	3545	3/21/25	0855	Pass
3/21/25	0840	32-33	ELOS	H.T	68	3/21/25	0858	Pass
3/21/25	0850	33-34	ELOS	A.O	3545	3/21/25	0935	Pass
3/21/25	0905	34-35	ELOS	AO	3545	3/21/25	0938	Pass
3/21/25	0958	6-36	NAT -67'	H.T	68	3/21/25	1040	Pass
3/21/25	1008	6-36	67' - EOS	H.T	68	3/21/25	1041	Pass
3/21/25	0956	36-31	ELOS	A.O	3545	3/21/25	1025	Pass
3/21/25	0955	32-37	ELOS	NK	1645	3/21/25	1102	Pass
3/21/25	1004	37-31	ELOS	A.O	3545	3/21/25	1027	Pass
3/21/25	1006	36-37	ELOS	A.O	3545	3/21/25	1050	Pass
3/21/25	0945	33-38	ELOS	N.K	1645	3/21/25	1055	Pass
3/21/25	1026	37-38	ELOS	N.K	1645	3/21/25	1058	Pass
3/21/25	1105	34-39	ELOS	N.K	1645	3/21/25	1112	Pass
3/21/25	1052	38-39	NAT - 60'	A.O	3545	3/21/25	1300	Pass
3/21/25	1102	38-39	60' - EOS	A.O	3545	3/21/25	1301	Pass
3/21/25	1112	35-40	ELOS	N.K	1645	3/21/25	1116	Pass
3/21/25	1100	39-40	ELOS	N.K	1645	3/21/25	1305	Pass
3/21/25	1325	40-41	ELOS	AO	3545	3/21/25	1400	Pass
3/21/25	1330	41-42	NAT-110'	B.K	68	3/21/25	1410	Pass
3/21/25	1337	41-42	110- EOS	B.K	68	3/21/25	1411	Pass

Mustang Extreme Environmental Services



Seaming and Air Test Record

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Test Pressure	30 psi
Max P Loss	<=3 psi

Seam						Air Test		
Seam Date	Seam Time	Panels	Location	Tech	Wedge #	Date	Start Time	Pass/Fail
3/21/25	1419	42-43	NAT -61'	NK	1645	3/21/25	1423	Pass
3/21/25	1429	42-43	61' EOS	NK	1645	3/21/25	1432	Pass
3/21/25	1410	43-44	NAT - 69'	AO	3545	3/21/25	1430	Pass
3/21/25	1417	43-44	69' - EOS	AO	3545	3/21/25	1436	Pass
3/21/25	1435	44-45	NAT-46'	BK	68	3/21/25	1448	Pass
3/21/25	1442	44-45	46' -66'	BK	68	3/21/25	1500	Pass
3/21/25	1444	44-45	66'-EOS	BK	68	3/21/25	1502	Pass
3/21/25	1519	35-46	ELOS	A.O	3545	3/21/25	1538	Pass
3/21/25	1510	40-46	ELOS	A.O	3545	3/21/25	1536	Pass
3/21/25	1515	46-41	ELOS	N.K	1645	3/21/25	1520	Pass
3/21/25	1525	46-47	ELOS	N.K	1645	3/21/25	1553	Pass
3/21/25	1515	47-48	SAT - 48'	A.O	3545	3/21/25	1550	Pass
3/21/25	1523	47-48	48' - EOS	A.O	3545	3/21/25	1600	Pass
3/21/25	1521	47-42	ELOS	N.K	1645	3/21/25	1559	Pass
3/21/25	1553	48-49	ELOS	N.K	1645	3/21/25	1610	Pass
3/21/25	1600	48-43	ELOS	B.K	68	3/21/25	1606	Pass
3/21/25	1612	49-50	SAT - 69'	A.O	3545	3/21/25	1641	Pass
3/21/25	1615	49-50	69' - 157'	A.O	3545	3/21/25	1640	Pass
3/21/25	1624	49-50	157' - EOS	A.O	3545	3/21/25	1630	Pass
3/21/25	1610	49-44	ELOS	B.K	4857	3/21/25	1612	Pass
3/21/25	1626	50-51	ELOS	N.K	1645	3/21/25	1655	Pass
3/21/25	1618	51-45	ELOS	B.K	4857	3/21/25	1622	Pass
3/22/25	0807	51-52	ELOS	A.O	3545	3/22/25	0840	Pass
3/22/25	0820	52-53	ELOS	H.T	4857	3/22/25	0915	Pass
3/22/25	0910	53-58	ELOS	H.T	4857	3/22/25	0912	Pass
3/22/25	0830	53-54	ELOS	N.K	1645	3/22/25	0910	Pass
3/22/25	0853	54-57	ELOS	H.T	4857	3/22/25	0903	Pass
3/22/25	0834	54-55	ELOS	H.T	4857	3/22/25	0900	Pass
3/22/25	0855	55-56	ELOS	H.T	4857	3/22/25	0907	Pass
3/22/25	0902	56-57	ELOS	A.O	3545	3/22/25	0923	Pass
3/22/25	0847	57-58	ELOS	A.O	3545	3/22/25	0911	Pass
3/22/25	0915	58-59	ELOS	H.T	4857	3/22/25	0922	Pass
3/22/25	0925	59-52	ELOS	N.K	1645	3/22/25	0930	Pass
3/22/25	0920	59-60	ELOS	A.O	3545	3/22/25	0931	Pass
3/22/25	0927	60-52	ELOS	N.K	1645	3/22/25	0932	Pass
3/22/25	0928	60-61	ELOS	H.T	4857	3/22/25	0940	Pass
3/22/25	0930	61-52	ELOS	N.K	1645	3/22/25	0941	Pass
3/22/25	0930	61-62	ELOS	A.O	3545	3/22/25	0950	Pass
3/22/25	0940	62-52	ELOS	N.K	1645	3/22/25	0951	Pass

Mustang Extreme Environmental Services



Seaming and Air Test Record

Project Name	XTO PLU NorthWest Clean-Out & Reline
WO #	54364
Material	60 mil HDSST Grey
Layer	Primary
QC Technician	Juan Casas

Test Pressure	30 psi
Max P Loss	<=3 psi

Seam						Air Test		
Seam Date	Seam Time	Panels	Location	Tech	Wedge #	Date	Start Time	Pass/Fail
3/22/25	0947	62-63	ELOS	H.T	4857	3/22/25	0955	Pass
3/22/25	0950	63-52	ELOS	N.K	1645	3/22/25	0956	Pass
3/22/25	0940	63-64	ELOS	A.O	3545	3/22/25	0958	Pass
3/22/25	0949	64-52	ELOS	A.O	3545	3/22/25	1000	Pass
3/22/25	0952	64-51	ELOS	H.T	4857	3/22/25	1001	Pass
3/22/25	1004	64-65	WAT - 65'	H.T	4857	3/22/25	1019	Pass
3/22/25	1006	64-66	65' - EOS	H.T	4857	3/22/25	1020	Pass
3/22/25	1028	65-51	ELOS	N.K	1645	3/22/25	1038	Pass
3/22/25	1006	65-66	WAT - 53'	A.O	3545	3/22/25	1026	Pass
3/22/25	1009	65-66	53' - EOS	A.O	3545	3/22/25	1025	Pass
3/22/25	1031	66-51	ELOS	N.K	1645	3/22/25	1039	Pass
3/22/25	1016	66-67	ELOS	A.O	3345	3/22/25	1040	Pass
3/22/25	1035	67-51	ELOS	N.K	1645	3/22/25	1046	Pass
3/22/25	1042	67-68	ELOS	H.T	4857	3/22/25	1047	Pass
3/22/25	1039	68-51	ELOS	H.T	4857	3/22/25	1050	Pass
3/25/25	1325	68-69	WAT - 52'	H.T	3545	3/26/25	0736	Pass
3/26/25	1327	68-69	52' - EOS	H.T	3545	3/26/25	0735	Pass
3/25/25	1335	69-70	WAT - 55'	H.T	3545	3/26/25	0742	Pass
3/25/25	1340	69-70	55' - EOS	H.T	3545	3/26/25	0740	Pass
3/25/25	1352	70-71	ELOS	H.T	3545	3/26/25	0802	Pass
3/26/25	0850	71-72	ELOS	H.T	3545	3/26/25	0905	Pass
3/26/25	0855	72-73	ELOS	H.T	3545	3/26/25	0910	Pass
3/26/25	0748	72-74	ELOS	H.T	3545	3/26/25	0807	Pass
3/25/25	0902	73-74	ELOS	H.T	3545	3/26/25	0907	Pass
3/25/25	1420	74-75	ELOS	H.T	3545	3/26/25	0805	Pass
3/25/25	1431	75-76	ELOS	H.T	3545	3/26/25	0800	Pass
3/25/25	1445	76-51	NAT - 56'	H.T	3545	3/26/25	0726	Pass
3/25/25	1445	76-51	56' - EOS	H.T	3545	3/26/25	0725	Pass
3/26/25	0754	76-70	NWOS - 60'	H.T	3545	3/26/25	0757	Pass
3/26/25	0755	76-70	60' - NWEOS	H.T	3545	3/26/25	0800	Pass
3/26/25	0752	75-71	ELOS	H.T	3545	3/26/25	0810	Pass

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Thursday, October 9, 2025 10:35 AM
To: kristen.houston@exxonmobil.com
Subject: 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927]
Attachments: C-147 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] 10.09.2025.pdf

2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927]

Good morning Ms. Houston.

NMOCD has reviewed the annual registration/permit extension request for 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] received from [373075] XTO PERMIAN OPERATING LLC on 09/09/2025, Application ID **504583**. The registration/permit extension request is approved with the following conditions of approval:

- 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of February 27, 2025. The new registration/permit expiration date is February 27, 2026.
- [373075] XTO PERMIAN OPERATING LLC will continue to operate, maintain, and close the for 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] 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 reused and recycled from for 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] 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 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927]. [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 27, 2026, 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 27, 2026.

- [373075] XTO PERMIAN OPERATING LLC must submit monthly reports of recycling and reuse of produced water, on NMOCD form C-148 through OCD Online even if there is zero activity.
- **NOTE: Please make sure to notify the OCD of any update or issues related to the liner system per NMAC 19.15.34.13.B.(4) & (5).**

Please let me know if you have any additional questions.

Best,

Victoria Venegas • Senior Environmental Scientist
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
575.909.0269 | Victoria.Venegas@emnrd.nm.gov

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 504583

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 504583
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	• 2RF-124 - PLU Central 2 Recycling FACILITY ID [fAB1805931927] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of February 27, 2025. The new registration/permit expiration date is February 27, 2026. If [373075] XTO PERMIAN OPERATING LLC wishes to extend the registration/permit past February 27, 2026, a registration/permit extension request must be submitted to OCD no later than January 27, 2026.	10/9/2025