



September 22, 2025

XTO Energy  
3104 E Greene Street  
Carlsbad NM, 88220

Attn: New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico, NM 87505

RE: **Release Investigation and Remediation Action Report and Plan**  
PLU South Pond  
Unit J, Section 27, Township 25S, Range 30E  
32.097728°, -103.865422°  
Eddy County, New Mexico  
Terracon Project No. KH247047

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting this Release Investigation and Closure Report for the above-referenced site on behalf of XTO Energy. Prepared in line with New Mexico Oil Conservation Division (NMOCD) regulations, this report addresses the environmental actions taken in response to a release of produced water. The release was discovered on October 5<sup>th</sup>, 2024, and was found to be a result of corrosion of a pump. Detailed assessment and remedial actions by Terracon are outlined in the following sections.

**NMOCD Comment:** On September 15, 2025, Robert Hamlet, with the NMOCD provided the following response to the submitted release investigation and remediation action report, dated, August 7, 2025.

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAPP2428149257, for the following reasons:

- **The Remediation Closure Report is Denied. Please enclose the site map that includes the 5-point confirmation closure sample locations. Additionally, sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.**

Terracon Response: The confirmation site map has been included in this amended report, as exhibit 7 in Appendix A. Please note the updated Delineation map, exhibit 3 in Appendix A, demonstrates that horizontal delineation has been achieved for this incident.

## Site Information

Explore with us

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PLU South Pond | Eddy County, New Mexico  
September 22, 2025 | Terracon Project No. KH247047



The notice of the release was provided to the NMOCD by Colton Brown on October 5, 2024, with the submission of the initial C-141. The release was assigned NMOCD Reference ID: nAPP2428149257. The site is located within Unit J, Section 27, Township 25S, Range 30E, approximately 14.85 miles southwest of Malaga, New Mexico. A Topographic Map and Site Location Map are included in Appendix A, as Exhibit 1 and Exhibit 2, respectively.

## Regulatory Criteria

### Groundwater

On June 19, 2025, XTO enlisted Coffey Drilling to install a boring to a depth of 105 feet below ground surface (bgs). A water level indicator was utilized to assess the depth of water in the boring on June 21, 2025, the boring was noted as being dry. The Pod Location Map as shown in Exhibit 3 in Appendix A. The boring log and NMOSE well records are included as Exhibit D.

### Wetlands

The U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that a ephemeral streambed is located approximately 0.38 miles north of the site. A Designated Wetland Area Map showing this feature is presented as Exhibit 5, Appendix A.

### Karst

Geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations. A copy of the Cave Karst Public UCP Map is presented as Exhibit 6, Appendix A.

## Reclamation Standards

### Remediation Standards

Per New Mexico Administrative Code (NMAC) 19.15.29.12, the closure criteria for the site are based on the remedial requirements for an on-pad release consisting of the removal of the affected soil from the surface to 4 feet below grade surface (bgs) in an area with depth to groundwater greater than 100 feet. Closure criteria is shown in the following table:

Constituent	Remediation Limit
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

### Remedial / Delineation Activities

Terracon conducted remedial activities at the site from November 21, 2024, through November 22, 2024. An area of approximately 232 square feet was affected by the release. A total of 14 delineation samples from 14 locations were collected and submitted for analysis

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of BTEX, Chlorides, and TPH. Delineation sample results for BTEX and TPH were below applicable NMOCD closure criteria. None of the delineation samples exceeded the closure criteria for Chloride ranging from 32 mg/kg in DSH-02 (3') to 672 mg/kg in DSH-05 (1'). A Delineation Sample Map depicting the sample locations, analytical results, and the excavation extent are included in Appendix A, Exhibit 3. Delineation sample results are included in Appendix B, Table 1.

### **Confirmation/Closure Activities**

Areas exhibiting visual impact and the areas that exceeded the closure criteria were excavated to a depth of between 0.5 feet bgs. A total of 14 confirmation soil samples were collected from November 21, 2024, through November 22, 2024, and submitted for analysis of BTEX, Chlorides, and TPH. Confirmation sample results for BTEX and TPH were below applicable NMOCD closure criteria. None of the confirmation samples exceeded the closure criteria for Chloride ranging from 80 mg/kg in C-FS 09 (0.5') to 3,000 mg/kg in C-FS05 (0.5'). The excavations were backfilled with imported fill material. Confirmation sample results are included in Appendix B, Table 2 and Table 3, respectively.

A total of approximately 72 cubic yards (cu. yds.) of loose soil were excavated during remedial activities and 72 cu. yds. of that total came from the reclamation zone, being from surface to four feet below grade surface. Excavated material was stockpiled on-site atop a polyethylene liner pending disposal under an approved Form C-138. The excavated material was disposed of at R360 Red Bluff Facility. Soil disposal waste manifests are available upon request. Confirmation analytical results for Chlorides/BTEX/TPH are included in Appendix B, Table 2 and 3, respectively. Photographs of the project site are included in Appendix E. The analytical reports and Chain of Custody (COC) are included in Appendix F.

### **Conclusion**

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and XTO Energy respectfully requests approval of this remediation action plan for the reportable incident that occurred on October 5<sup>th</sup>, 2024, at the NMOCD Reference # nAPP2428149257 – PLU South Pond location. Both the exploratory boring and the final closure report will be completed and submitted to the NMOCD in the next 60 days.

We are grateful for the opportunity to offer our environmental services to XTO Energy. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to reach out to our office at your earliest convenience.

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Sincerely,



Prepared by:

A handwritten signature in black ink that reads 'Austin Worley'.

**Austin Worley**  
Environmental Staff Scientist  
Lubbock, TX

Reviewed by:

A handwritten signature in black ink that reads 'John Grams'.

**John Grams, P.G. (TX)**  
Senior Consultant  
Lubbock, TX

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**Attachments:**

**Appendix A – Exhibits**

- Exhibit 1 – Topographic Map
- Exhibit 2 – Site Location Map
- Exhibit 3 – Delineation Map
- Exhibit 4 – NMOSE POD Map
- Exhibit 5 – Designated Wetland Area Map
- Exhibit 6 – Cave Karst Public UCP Map
- Exhibit 7 – Confirmation Map

**Appendix B – Tables and Well Data**

- Table 1 – Delineation Samples
- Table 2 – Confirmation Floor Samples
- Table 3 – Confirmation Wall Samples

**Appendix C – C-141 Summary Sheet**

**Appendix D – Well Information**

**Appendix E – Photographic Log**

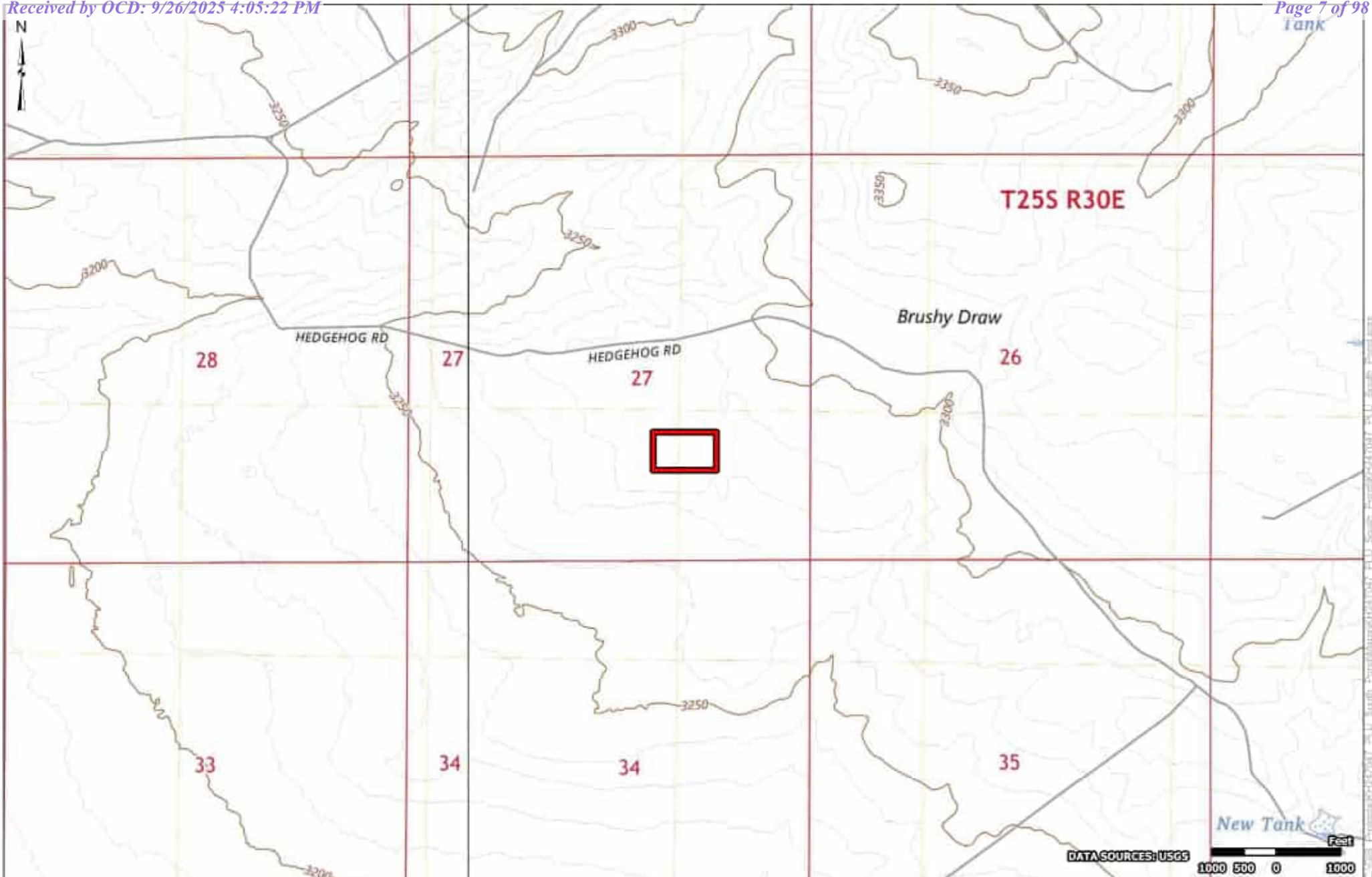
**Appendix F – Analytical Report and Chain of Custody**


**Appendix G – Terracon Standard of Care, Limitation, and Reliance**

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September 22, 2025 | Terracon Project No. KH247047




## **APPENDIX A – EXHIBITS**



 Site Boundary

Project No.: KH247047  
 Date: Oct 30 2024  
 Drawn By: JWL  
 Reviewed By: JRG



4526 W Pierce St  
 Carlsbad, NM  
 PH. 806-300-0140      terracon.com

**Topographic Map**

PLU South Pond  
 32.097728, -103.865422  
 XTO Energy Inc  
 Eddy County, New Mexico

**Exhibit**

**1**



bing

DATA SOURCES: Bing



Site Boundary

Project No.: KH247047  
 Date: Oct 30 2024  
 Drawn By: JWJ  
 Reviewed By: JRG



4526 W Pierce St  
 Carlsbad, NM

PH. 806-300-0140

terracon.com

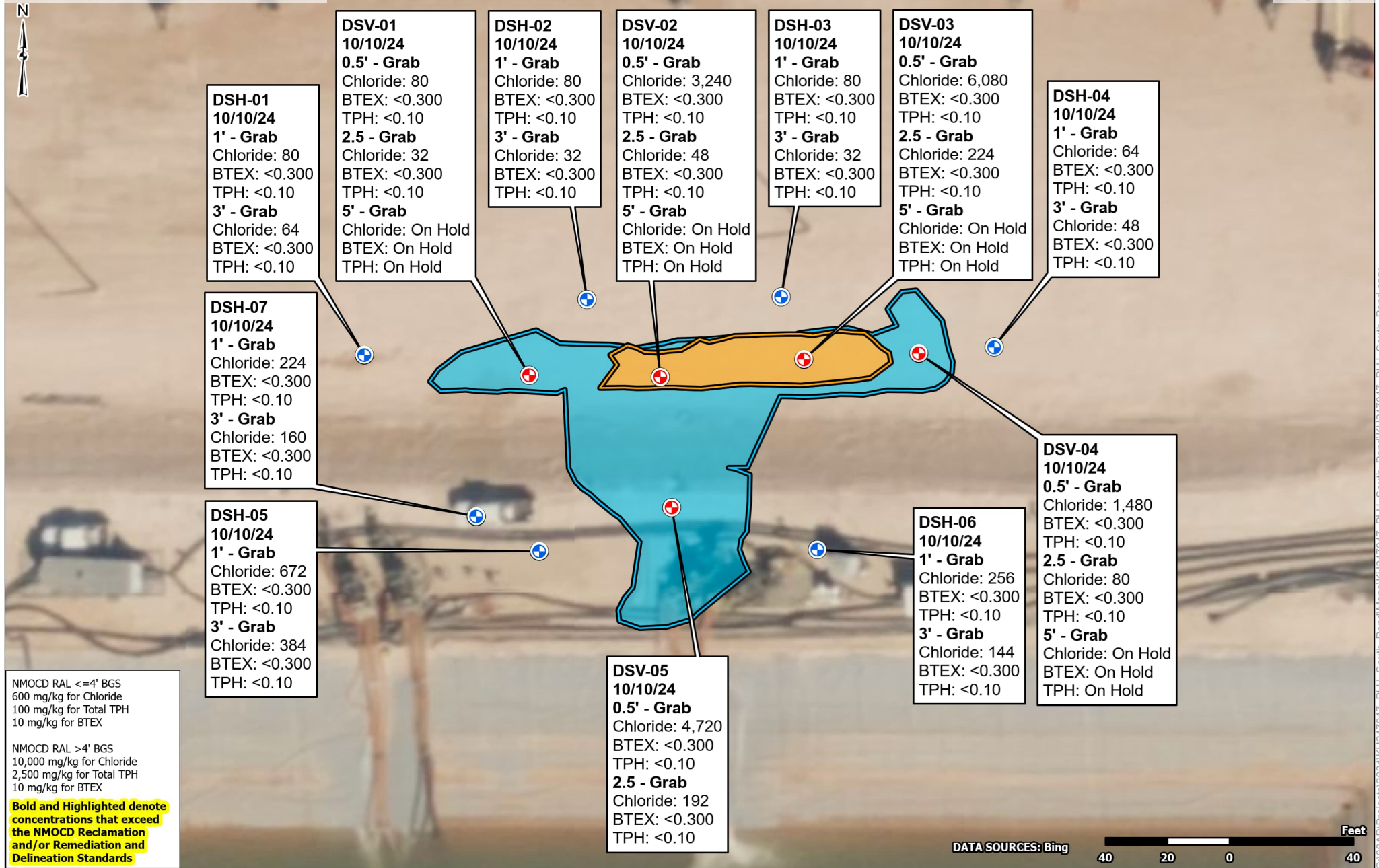
Site Location Map

PLU South Pond  
 32.097728, -103.865422  
 XTO Energy Inc  
 Eddy County, New Mexico

Exhibit

2





NMOCD RAL ≤4' BGS  
600 mg/kg for Chloride  
100 mg/kg for Total TPH  
10 mg/kg for BTEX

NMOCD RAL >4' BGS  
10,000 mg/kg for Chloride  
2,500 mg/kg for Total TPH  
10 mg/kg for BTEX

**Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards**

- Horizontal Delineation Sample
- Vertical Delineation Sample
- Inferred Release (3,755 Sq. Ft.)
- Saturated Inferred Release (915 Sq. Ft.)

Project No.: KH247047  
Date: Sep 23 2025  
Drawn By: JWJ  
Reviewed By: JRG

5847 50th St  
Lubbock, TX

PH. 806-300-0140 terracon.com

**Delineation Sample Map**

PLU South Pond  
32.097728, -103.865422  
XTO Energy Inc  
Eddy County, New Mexico

**Exhibit**

**3**

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- NMOSE POD Location
- Inferred Release
- Saturated Inferred Release

Project No.: KH247047  
 Date: Aug 14 2025  
 Drawn By: JWJ  
 Reviewed By: JRG



5847 50th St  
 Lubbock, TX

PH. 806-300-0140

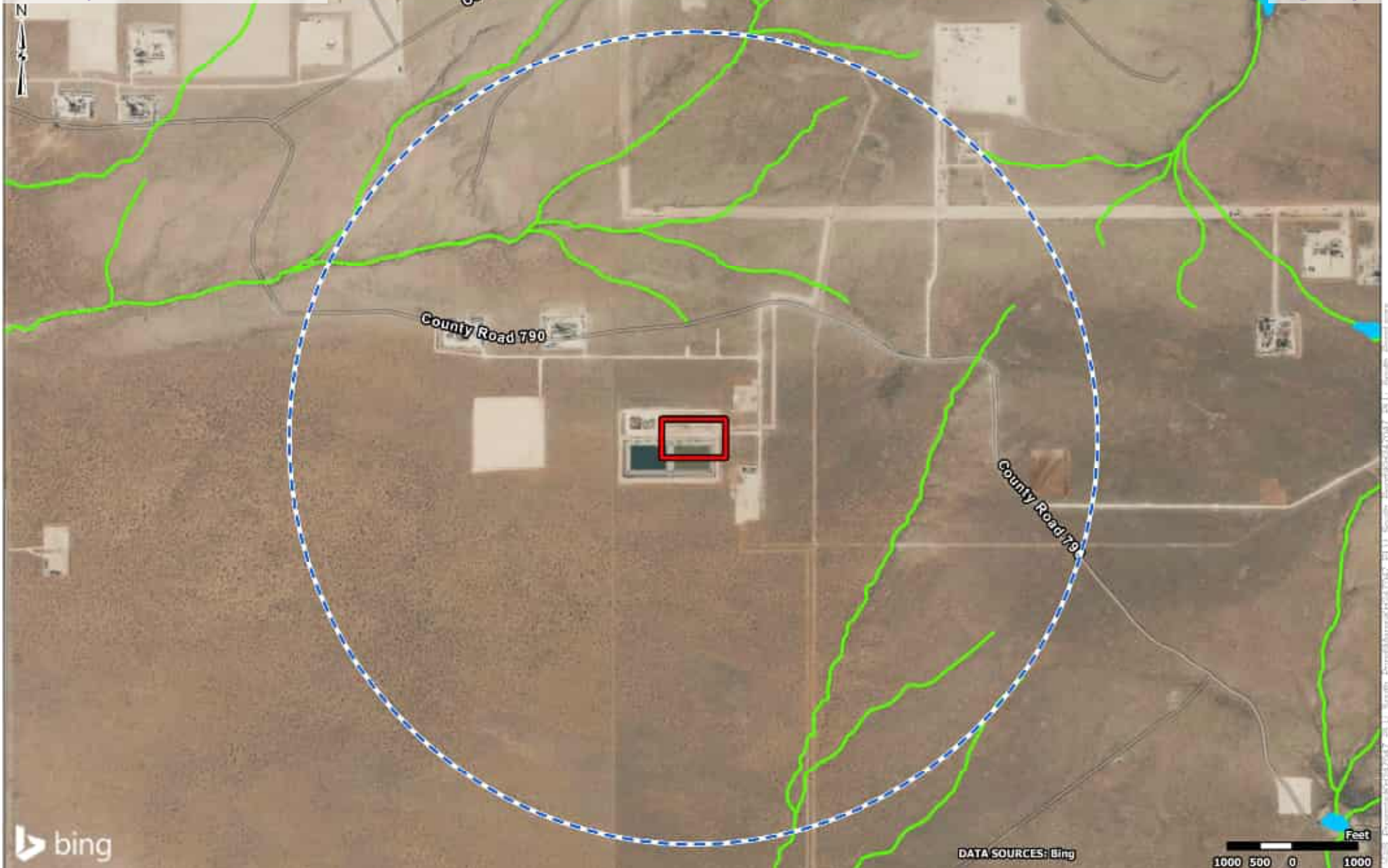
terracon.com





**NMOSE POD Location Map**

PLU South Pond  
 32.097728, -103.865422  
 XTO Energy Inc  
 Eddy County, New Mexico


**Exhibit**

**4**



-  Site Boundary
-  1 Mile Radius
-  Freshwater Emergent Wetland
-  Riverine

Project No.: KH247047  
 Date: Oct 30 2024  
 Drawn By: JWJ  
 Reviewed By: JRG



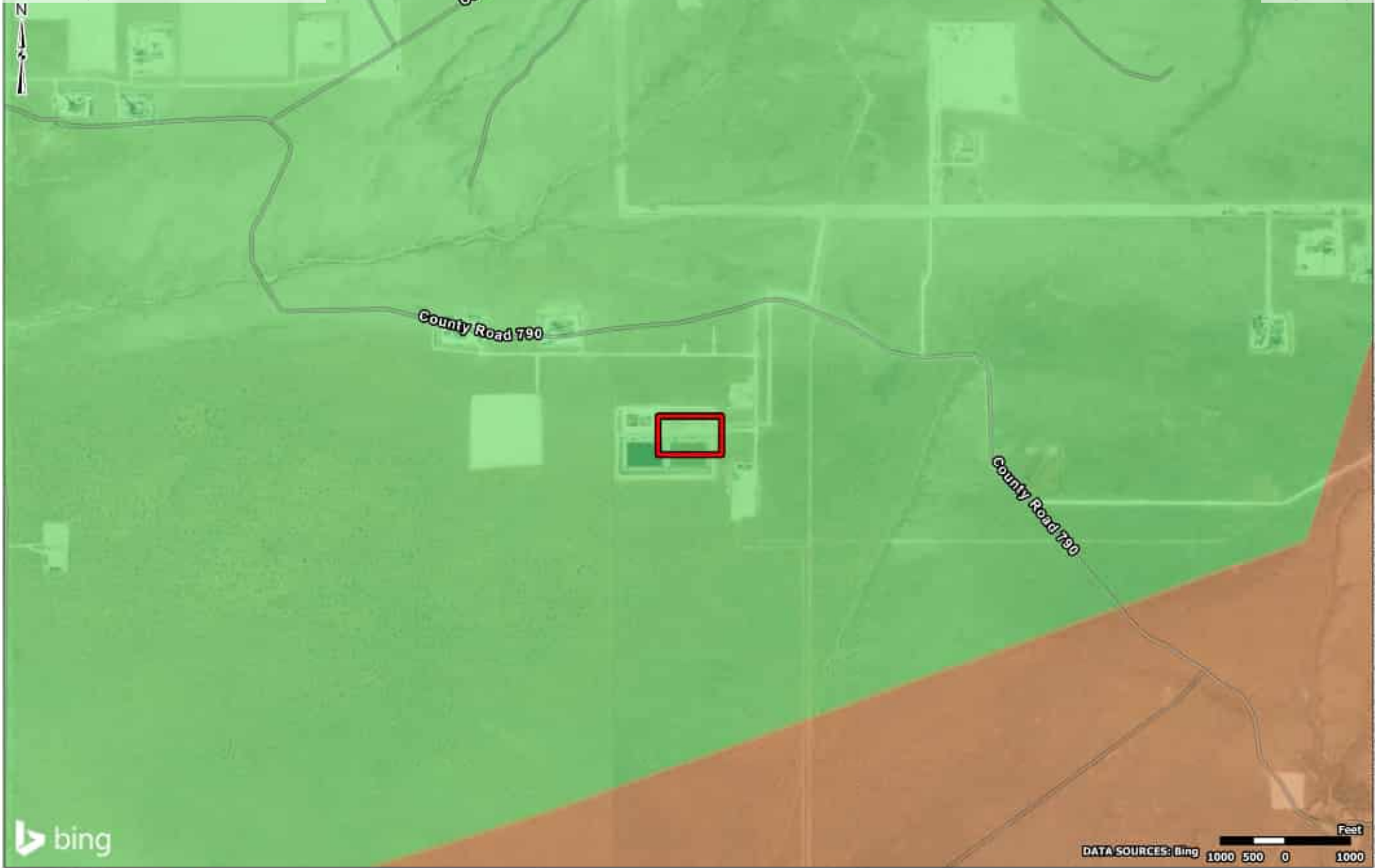
4526 W Pierce St  
 Carlsbad, NM  
 PH. 806-300-0140      terracon.com

**Designated Wetland Area Map**

PLU South Pond  
 32.097728, -103.865422  
 XTO Energy Inc  
 Eddy County, New Mexico


**Exhibit**

**5**



- Site Boundary
- Karst Potential**
- Low
- Medium

Project No.: KH247047  
 Date: Oct 30 2024  
 Drawn By: JWJ  
 Reviewed By: JRG



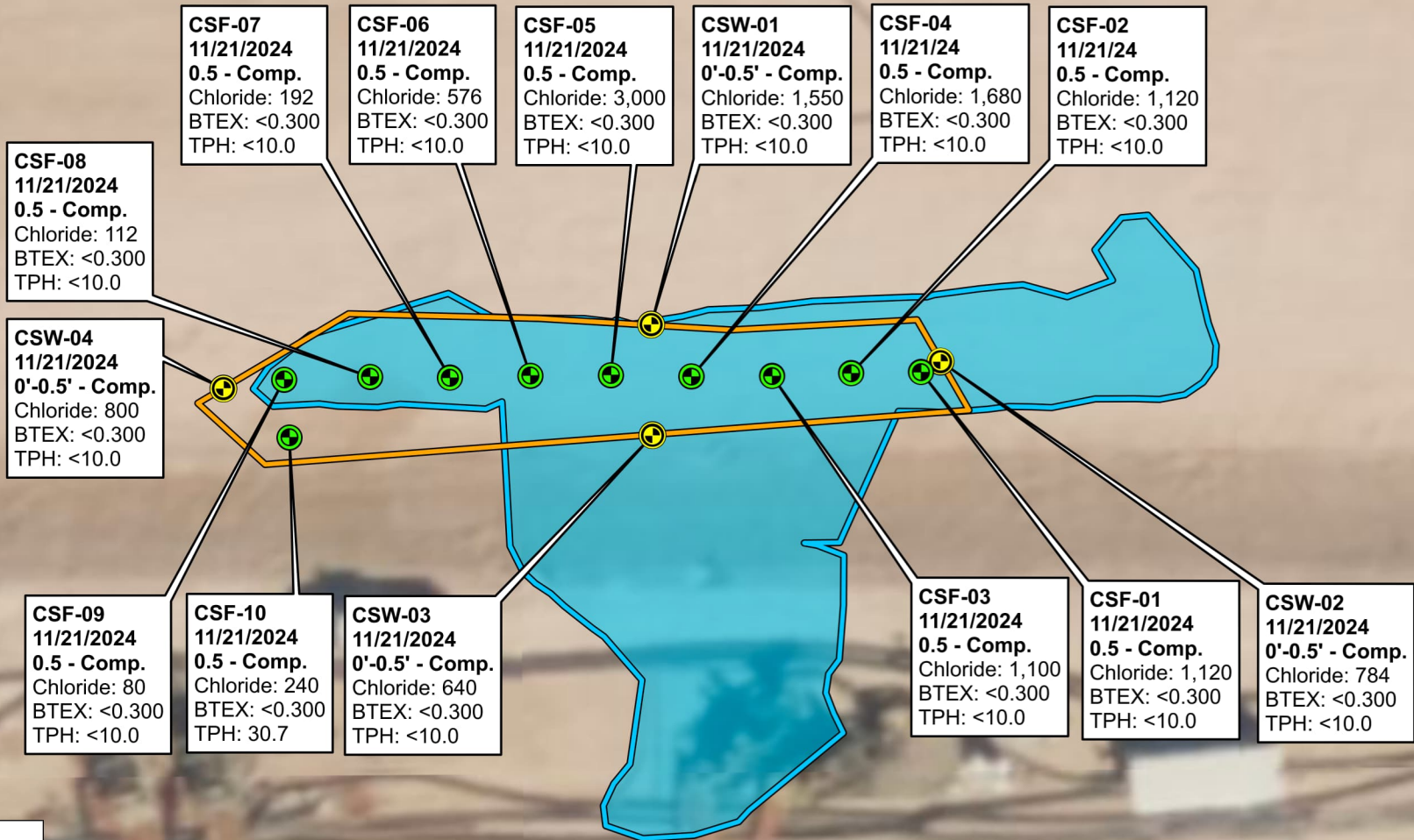
4526 W Pierce St  
 Carlsbad, NM  
 PH. 806-300-0140      terracon.com

**Cave Karst Public UCP Map**

PLU South Pond  
 32.097728, -103.865422  
 XTO Energy Inc  
 Eddy County, New Mexico

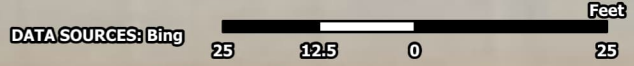
**Exhibit**

**6**



NMOC RAL =  
 20,000 mg/kg for Chloride  
 2,500 mg/kg for Total TPH  
 50 mg/kg for BTEX

**Bold and Highlighted denote concentrations that exceed the NMOC Reclamation and/or Remediation and Delineation Standards**



- Confirmation Floor Sample
- Confirmation Wall Sample
- Inferred Release (4,670 Sq. Ft)
- Excavation Boundary

Project No.: KH247047  
 Date: Sep 16 2025  
 Drawn By: JWJ  
 Reviewed By: JRG

5847 50th St  
 Lubbock, TX

PH. 806-300-0140      terracon.com

**Confirmation Sample Map**

PLU South Pond  
 32.097728, -103.865422  
 XTO Energy Inc  
 Eddy County, New Mexico

**Exhibit**


**7**

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Remediation Action Report  
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## **APPENDIX B – TABLES AND WELL DATA**

PLU South Pond Table 1 - Release Assessment Project Code: KH247047 NMOCD Reference No. nAPP2428149257												
Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX <sup>1</sup> (mg/Kg)	Total TPH <sup>2</sup> (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	
<b>Release Assessment</b>												
DSH-01	1'	10/10/2024	1'	Grab	In-situ	<b>80</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-01	3'	10/10/2024	3'	Grab	In-situ	<b>64</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-02	1'	10/10/2024	1'	Grab	In-situ	<b>80</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-02	3'	10/10/2024	3'	Grab	In-situ	<b>32</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-03	1'	10/10/2024	1'	Grab	In-situ	<b>80</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-03	3'	10/10/2024	3'	Grab	In-situ	<b>32</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-04	1'	10/10/2024	1'	Grab	In-situ	<b>64</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-04	3'	10/10/2024	3'	Grab	In-situ	<b>48</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-05	1'	10/10/2024	1'	Grab	In-situ	<b>672</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-05	3'	10/10/2024	3'	Grab	In-situ	<b>384</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-06	1'	10/10/2024	1'	Grab	In-situ	<b>256</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-06	3'	10/10/2024	3'	Grab	In-situ	<b>144</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-07	1'	10/22/2024	1'	Grab	In-situ	<b>224</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSH-07	3'	10/22/2024	3'	Grab	In-situ	<b>160</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-01	0.5'	10/10/2024	0.5'	Grab	In-situ	<b>80</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-01	2.5'	10/10/2024	2.5'	Grab	In-situ	<b>32</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-01	5'	10/10/2024	5'	Grab	In-situ	Samples placed on Hold with the Laboratory						
DSV-02	0.5'	10/10/2024	0.5'	Grab	In-situ	<b>3,240</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-02	2.5'	10/10/2024	2.5'	Grab	In-situ	<b>48</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-02	5'	10/10/2024	5'	Grab	In-situ	Samples placed on Hold with the Laboratory						
DSV-03	0.5'	10/10/2024	0.5'	Grab	In-situ	<b>6,080</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-03	2.5'	10/10/2024	2.5'	Grab	In-situ	<b>224</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-03	5'	10/10/2024	5'	Grab	In-situ	Samples placed on Hold with the Laboratory						
DSV-04	0.5'	10/10/2024	0.5'	Grab	In-situ	<b>1,480</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-04	2.5'	10/10/2024	2.5'	Grab	In-situ	<b>80</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-04	5'	10/10/2024	5'	Grab	In-situ	Samples placed on Hold with the Laboratory						
DSV-05	0.5'	10/10/2024	0.5'	Grab	In-situ	<b>4,720</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
DSV-05	2.5'	10/10/2024	2.5'	Grab	In-situ	<b>192</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
<b>NMOCD Remediation Standards<sup>3</sup> (Surface to 4 ft bgs)</b>						20,000	10	50	2,500	2,500	1,000	
1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes 2. TPH = Total petroleum hydrocarbons 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL). NA = Not Analyzed <b>Bold denotes concentrations above applicable laboratory SDLs.</b> <b>Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.</b> In-situ = Sample is representative of material which remains in-place at the site. Excavated = Sample is representative of material which was excavated and disposed of at a permitted disposal facility.												
					Data Entry:		AW					
					Reviewed By:		GS					
												

**PLU South Pond  
Table 2 - Confirmation Floors  
Project Code: KH2470  
MOCD Reference No. nAPP242814925**

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX <sup>1</sup> (mg/Kg)	Total TPH <sup>2</sup> (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
<b>Confirmation Table</b>											
CSF-01	11/21/2024	0.5	Comp.	In-Situ	<b>1,120</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-02	11/21/2024	0.5	Comp.	In-Situ	<b>1,120</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-03	11/21/2024	0.5	Comp.	In-Situ	<b>1,100</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-04	11/21/2024	0.5	Comp.	In-Situ	<b>1,680</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-05	11/21/2024	0.5	Comp.	In-Situ	<b>3,000</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-06	11/21/2024	0.5	Comp.	In-Situ	<b>576</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-07	11/21/2024	0.5	Comp.	In-Situ	<b>192</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-08	11/21/2024	0.5	Comp.	In-Situ	<b>112</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-09	11/21/2024	0.5	Comp.	In-Situ	<b>80</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSF-10	11/21/2024	0.5	Comp.	In-Situ	<b>240</b>	<0.050	<0.300	<b>30.7</b>	<10.0	<b>30.7</b>	<10.0
<b>NMOCD Remediation Standards<sup>3</sup> (Surface to 4ft bgs)</b>					20,000	10	50	2,500	1,000		N/A

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes  
 2. TPH = Total petroleum hydrocarbons  
 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft.  
 ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).  
 NA = Not Analyzed

**Bold denotes concentrations above applicable laboratory SDLs.**

**Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.**


In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of material which was excavated and disposed of at a permitted disposal facility.

Data Entry:	
Reviewed By:	BSM





PLU South Pond Table 3 - Confirmation Sidewalls Project Code: KH247047 NMOCD Reference No. nAPP2428149257												
Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample End Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX <sup>1</sup> (mg/Kg)	Total TPH <sup>2</sup> (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
<b>Confirmation Wall Samples</b>												
CSW-01	11/21/2024	0	0.5	Comp.	In-Situ	<b>1,550</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSW-02	11/21/2024	0	0.5	Comp.	In-Situ	<b>784</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSW-03	11/21/2024	0	0.5	Comp.	In-Situ	<b>640</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
CSW-04	11/21/2024	0	0.5	Comp.	In-Situ	<b>800</b>	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0
<b>NMOCD Remediation Standards<sup>3</sup> (Surface to 4 ft bgs)</b>						20,000	10	50	2,500	1,000	1,000	
1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes 2. TPH = Total petroleum hydrocarbons 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL). NA = Not Analyzed <b>Bold denotes concentrations above applicable laboratory SDLs.</b> <b>Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.</b>										Data Entry:		
										Reviewed By:	BSM	
										 Terracon Explore with us		
In-situ = Sample is representative of material which remains in-place at the site. Excavated = Sample is representative of material which was excavated and disposed of at a permitted disposal facility.												

Remediation Action Report  
PLU South Pond | Eddy County, New Mexico  
September 22, 2025 | Terracon Project No. KH247047



## **APPENDIX C – C-141 SUMMARY SHEET**

8/14/2025	
-----------	---

## NMOCD REPORT DETAILS

### Submission Contact, Application, Fee and Payment Details

<b>Name:</b>	Colton Brown	
<b>Email:</b>	<a href="mailto:colton.s.brown@exxonmobil.com">colton.s.brown@exxonmobil.com</a>	
<b>Phone:</b>	(575)988-2390	

### Initial Release C-141

### Application Details

<b>Incident ID:</b>	nAPP2428149257				
<b>District:</b>	Artesia				
<b>County:</b>	Eddy				
<b>Legal Description:</b>	Unit: J	Section: 27	Township: 25S	Range: 30E	
<b>Lat/Long:</b>	N: 32.097728		E: -103.865422		

### Prerequisites

<b>Incident Operator:</b>	XTO ENERGY, INC		
<b>Release Type:</b>	Produced Water Release		
<b>Incident Status:</b>	Invstigation In Progress		

### Release Information

<b>Site Name:</b>	PLU South Frac Pond		
<b>Date Discovered:</b>	10/5/2024	(MM/DD/YYYY)	
<b>Surface Owner:</b>	Federal		

### Incident Details

<b>Incident Type:</b>	Produced Water Release		
<b>Fire:</b>	No		
<b>Injuries:</b>	No		
<b>Watercourse:</b>	No		
<b>Public Health:</b>	No		
<b>Significant to Property or Environment:</b>	No		
<b>Detrimental to Freshwater:</b>	No		

### Nature and Volume of Release

<b>Released Product:</b>	Produced Water		
<b>Cause:</b>	Other		
<b>Source:</b>	Other (Specify)		
<b>Release:</b>	20	(bbls/Mcf)	
<b>Recovered:</b>	1	(bbls/Mcf)	
<b>Additional Details:</b>			

### Nature and Volume of Release

<b>Is this a gas submission</b>	No	
<b>was this a major release (Y/N) &gt;25bbls</b>	No	
<b>Justification of release volume calculation</b>	Yes	

### Initial Response

<b>Release has been stopped</b>	Yes	
<b>Release area has been secured:</b>	Yes	
<b>Released material has been contained</b>	Yes	
<b>All free liquids have been recovered</b>	Yes	
<b>If actions have not been completed, why?</b>	(Attached Explanation)	

**Remediation Action Plan C-141**

**Site Characterization**

What is groundwater beneath effected area?	100ft - 500ft	
What method was used to determine depth?		Direct Measurement
Did release impact GW or Surface Water?	No	
Continuously flowing watercourse	between 1 to 5 (mi.)	
Lakebed, sinkhole, or playa (measured from the high-water mark)		greater than 5 (mi.)
An occupied permanent residence	greater than 5 (mi.)	
Spring or private domestic well	greater than 5 (mi.)	
Incorporated municipal boundaries	greater than 5 (mi.)	
Wetland	between 1,000 (ft.) to 1/2 (mi.)	
Subsurface mine	greater than 5 (mi.)	
A (non-karst) unstable area	greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology		Low
A 100-year floodplain		greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site		No

**Remediation Plan**

Have lateral and vertical extents of impacts been delineated, to the strictest standards?	No	
Was the release entirely contained within a lined containment?	No	
Soil Contamination Sampling (provide the highest observed value for each)(0.1)		
	Chloride	6,080 (mg/kg)
	Total TPH	30.7 (mg/kg)
	GRO+DRO	30.7 (mg/kg)
	BTEX	<0.300 (mg/kg)
	Benzene	<0.050 (mg/kg)
Date of Remediation Commencement	11/21/2024	
Date of Final Sampling or Liner Inspection	11/21/2024	
Date of Remediation Completion	11/22/2024	
Estimated Surface Area (sq.ft) to be reclaimed	3,400	
Estimated Volume (cu. Yds) to be reclaimed	250	
Estimated Surface Area (sq.ft) to be remediated	3,400	
Estimated Volume (cu. Yds) to be remediated	72	
Excavation and off-site disposal (dig & haul)	Yes	(Ex-Situ)
Excavation and on-site remediation (land farm)	No	(Ex-Situ)
Soil Vapor Extraction	No	(In-Situ)
Chemical processing (soil shredding...etc)	No	(In-Situ)
Biological processing (microbes / fertilizer...etc)	No	(In-Situ)
Physical processing (soil washing, gypsum...etc)	No	(In-Situ)
Ground Water Abatement	N/A	
Other (Non-listed remedial process)	No	

**Closure/Deferral Request C-141**

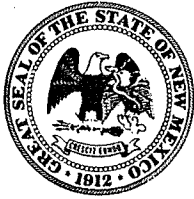
Deferral Request (attachment with explanation)	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
Total Surface Area (sq.ft) to be remediated	3,400	(Square Feet)
Total Volume (cu. Yds) to be remediated	72	(Cubic Yards)
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	N/A	
Estimated Surface Area (sq.ft) to be reclaimed	3,400	(Square Feet)
Estimated Volume (cu. Yds) to be reclaimed	250	(Cubic Yards)
Attached Summary of additional remediation Activities	Yes	

Released to Imaging on 11/21/2025 to 11/21/2025

Remediation Action Report  
PLU South Pond | Eddy County, New Mexico  
September 22, 2025 | Terracon Project No. KH247047



## **APPENDIX D – WELL INFORMATION**



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO.		OSE FILE NO(S) C-04976		
	WELL OWNER NAME(S) XTO Permian Operating				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 3104 E greene st				CITY Carlsbad	STATE NM	ZIP 88220
	WELL LOCATION (FROM GPS)	DEGREES -103.868700	MINUTES +	SECONDS +	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LATITUDE	LONGITUDE		N	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1839	NAME OF LICENSED DRILLER Boyd Coffey			NAME OF WELL DRILLING COMPANY Coffey Drilling			
	DRILLING STARTED 6-19-2025	DRILLING ENDED 6-19-2025	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) NA			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA	DATE STATIC MEASURED 6-21-2025		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	6.75	PVC	Thread	2	Sch 40	
	20	105	6.25	PVC	Thread	2	Sch 40	0.032

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	20	6.75	3/8 Hole Plug	5	Pour
	20	105	6	back fill with cuttings	18	Pour

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2





# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-04976

Well owner: XTO permian Operating Phone No.: \_\_\_\_\_

Mailing address: 3104 E greene st

City: Calrsbad State: NM Zip code: 88220

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Coffey drilling
- 2) New Mexico Well Driller License No.: 1839 Expiration Date: Aprli 2026
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Boyd Coffey
- 4) Date well plugging began: 6-25-2025 Date well plugging concluded: 6-25-2025
- 5) GPS Well Location: Latitude: -103.868790 deg, \_\_\_\_\_ min, \_\_\_\_\_ sec  
Longitude: 32.098928 deg, \_\_\_\_\_ min, \_\_\_\_\_ sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 5-6-2025
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):



10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

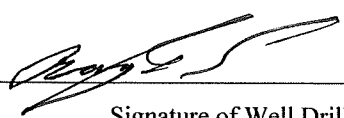
**For each interval plugged, describe within the following columns:**

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	0-20' BGL 3/8 Bentonite	435	35	Pour Back fill	
	20'-105' BGL	148	148		

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

**III. SIGNATURE:**

I, Boyd Caffey, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

  
 \_\_\_\_\_  
 Signature of Well Driller

6-26-2025  
 \_\_\_\_\_  
 Date

Remediation Action Report  
PLU South Pond | Eddy County, New Mexico  
September 22, 2025 | Terracon Project No. KH247047



## **APPENDIX E – PHOTOGRAPHIC LOG**



**Photo Log**



Photo of the sign for the Frac Pond Facility



View of the release facing west from the top of the pond berm



### Photo Log



View of the release facing northeast from the top of the pond berm



View of the release facing east



### Photo Log



View of the release facing southeast



View of the release facing southwest



### Photo Log



Terracon  
Sasha Lopez  
11/22/2024 09:13 AM  
32.09787, -103.66591  
[Unnamed Road] Lovington, NM 88251



View of the excavated area where the release was facing northeast



Terracon  
Sasha Lopez  
11/22/2024 09:47 AM  
32.09785, -103.66595  
[Unnamed Road] Lovington, NM 88251



View of the backfilled excavation facing northeast

Remediation Action Report  
PLU South Pond | Eddy County, New Mexico  
September 22, 2025 | Terracon Project No. KH247047



## **APPENDIX F – ANALYTICAL REPORT AND CHAIN OF CUSTODY**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

October 17, 2024

AUSTIN WORLEY  
TERRACON CONSULTANTS  
5827 50TH ST. SUITE 1  
LUBBOCK, TX 79424

RE: PLU SOUTH POND

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 15:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 01 1' (H246222-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	2.01	101	2.00	1.75		
Toluene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	1.36		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.11	106	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.29	105	6.00	1.46		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55		
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24		
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 01 3' (H246222-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.01	101	2.00	1.75	
Toluene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	1.36	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.11	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.29	105	6.00	1.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 02 1' (H246222-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69		
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55		
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24		
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 02 3' (H246222-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69		
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55		
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24		
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 03 1' (H246222-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 03 3' (H246222-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 04 1' (H246222-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	211	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	199	99.4	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 04 3' (H246222-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 05 1' (H246222-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 05 3' (H246222-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 06 1' (H246222-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSH - 06 3' (H246222-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 01 0.5' (H246222-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	1.93	96.4	2.00	5.69		
Toluene*	<0.050	0.050	10/16/2024	ND	1.97	98.7	2.00	2.08		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.06	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.20	103	6.00	2.46		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/16/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40		
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND						

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 01 2.5' (H246222-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 02 0.5' (H246222-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	10/16/2024	ND	416	104	400	3.92	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 02 2.5' (H246222-17)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69		
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08		
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46		
Total BTEX	<0.300	0.300	10/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/16/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	190	95.1	200	1.40		
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	186	93.2	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 03 0.5' (H246222-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	10/16/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 03 2.5' (H246222-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69		
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08		
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46		
Total BTEX	<0.300	0.300	10/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/16/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	190	95.1	200	1.40		
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	186	93.2	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND						

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 04 0.5' (H246222-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1480</b>	16.0	10/16/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 04 2.5' (H246222-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/16/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 05 0.5' (H246222-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69	
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	10/16/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	190	95.1	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	186	93.2	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/11/2024	Sampling Date:	10/11/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Alyssa Parras
Project Location:	XTO		

**Sample ID: DSV - 05 2.5' (H246222-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2024	ND	1.93	96.4	2.00	5.69		
Toluene*	<0.050	0.050	10/17/2024	ND	1.97	98.7	2.00	2.08		
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.06	103	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.20	103	6.00	2.46		
Total BTEX	<0.300	0.300	10/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/16/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	190	95.1	200	1.40		
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	186	93.2	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 1/3

BILL TO

ANALYSIS REQUEST

Company Name: **Terracon**  
 Project Manager: **Austin Worley**  
 Address: **4526 W. Pience Street**  
 City: **Carlsbad** State: **NM** zip: **88220**  
 Phone #: **915 262 9701** Fax #: \_\_\_\_\_  
 Project #: **KH247047** Project Owner: \_\_\_\_\_  
 Project Name: **PLU South Pond**

P.O. #: \_\_\_\_\_  
 Company: **XTO Energy**  
 Attn: **Colton Brown**  
 Address: **3104 E Green St.**  
 City: **Carlsbad**  
 State: **NM** zip: **88220**  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Sampler Name: **Gus Sanchez**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE			
1	DSH-01	G	1							10/1/24	10:27	Chloride (EPA Method 4500)	
2	DSH-01										10:33	TPH Extended 8015	
3	DSH-02										11:03	BTEX (EPA Method 8021B)	
4	DSH-02										11:05		
5	DSH-03										11:32		
6	DSH-03										11:37		
7	DSH-04										12:02		
8	DSH-04										12:06		
9	DSH-05										12:31		
10	DSH-05										12:48		

FOR LAB USE ONLY

FOR STATE NOTE: Sampling and Storage: Containers totally and correctly sealed immediately for any state testing whether in contact or not until the return used by the client for the analysis. All items including those for nitrogen and any other case where the seal for damaged sealed system made by sealing and received by Cardinal within 20 days after completion of the appropriate service. In no event shall Cardinal be liable for analytical or non-analytical errors, including method deficiencies, instrument malfunctions, loss of data, or loss of results incurred by client, by subcontractors, or by any other party acting out of or related to the performance of analytical services by Cardinal, regardless of whether such claims are based upon any of the above stated warranties or otherwise.

Relinquished By: *[Signature]* Date: **10-1-24** Received By: *[Signature]* Date: **10-1-24**

Time: \_\_\_\_\_

Turnaround Time: \_\_\_\_\_

Thermometer ID #140 Correction Factor -0.5°C

Standard  **Flush** Bacteria (only)  Sample Condition Cool Intact  Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

Remarks: **Auth: Worley @ Terracon.com Joseph.Guerrero @ Terracon.com**  
**REMARKS: Cost Code 2094001001**





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/3

BILL TO

ANALYSIS REQUEST

Company Name: \_\_\_\_\_ P.O. #: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Attn: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: \_\_\_\_\_ Phone #: \_\_\_\_\_  
 Sampler Name: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
11	DSH-06	G	1						10-10-24	13:33	Chloride (EPA Method 4500)	
12	DSH-06		3						10-10-24	13:42	TPH Extended 8015	
13	DSV-01		0.5						10-11-24	9:43	BTEX EPAMethod 8021B	
14	DSV-01		2.5							9:49	Hold	
15	DSV-01		5							9:56		
16	DSV-02		0.5							10:07		
17	DSV-02		2.5							10:14		
18	DSV-02		5							10:19		
19	DSV-03		0.5							10:23		
20	DSV-03		2.5							10:29		

PLEASE NOTE: Sample and containers (Company supply and cover) must be returned to the account point by the client for the analysis. All items including those for equipment and any other items which were not returned to Cardinal within 30 days after completion of the analysis. In no event shall Cardinal be liable for loss of or damage to any equipment or other items which were not returned to Cardinal within 30 days after completion of the analysis. All items including those for equipment and any other items which were not returned to Cardinal within 30 days after completion of the analysis. In no event shall Cardinal be liable for loss of or damage to any equipment or other items which were not returned to Cardinal within 30 days after completion of the analysis.

Relinquished By: [Signature] Date: 10/11/24 Received By: [Signature] Date: 10/23/24  
 Relinquished By: [Signature] Date: 10/23/24 Received By: [Signature] Date: 10/23/24

Delivered By: (Circle One) Observed Temp. °C: 48.2 Sample Condition:  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 37.2 Checked BY: [Signature] Turnaround Time: \_\_\_\_\_ Standard  Bacteria (only) Sample Condition:  Intact  Cool  Yes  No

Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com  
 Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**BILL TO**

**ANALYSIS REQUEST**

Company Name: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Sampler Name: \_\_\_\_\_

P.O. #: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER			
112411333	DSV-03	G	1						10-11-24	10:34	Chloride (EPA Method 4500)	
	DSV-04									10:39	TPH Extended 8015	
	DSV-04									10:45	BTEX (EPA Methal 8021 B)	
	DSV-04									10:49		
	DSV-05									10:55		
	DSV-05									11:15		

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Relinquished By: *[Signature]* Date: 10/11/24  
 Received By: *[Signature]* Date: 10/11/24  
 Relinquished By: *[Signature]* Date: 10/11/24  
 Received By: *[Signature]* Date: 10/11/24

Delivered By: (Circle One) Observed Temp. °C: 43.6  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 37.1  
 Sample Condition: Cool Intact  Yes  No  
 Checked By: *[Signature]*  
 Remarks: \_\_\_\_\_  
 Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 Turnaround Time: \_\_\_\_\_ Standard   
 Thermometer ID #140 Bacteria (only) Sample Condition   
 Correction Factor -0.8°C Cool Intact  Yes  No  
 Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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October 30, 2024

AUSTIN WORLEY  
TERRACON CONSULTANTS  
5827 50TH ST. SUITE 1  
LUBBOCK, TX 79424

RE: PLU SOUTH POND

Enclosed are the results of analyses for samples received by the laboratory on 10/22/24 13:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2      Total Haloacetic Acids (HAA-5)  
Method EPA 524.2      Total Trihalomethanes (TTHM)  
Method EPA 524.4      Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B      Total Coliform and E. coli (Colilert MMO-MUG)  
Method EPA 524.2      Regulated VOCs and Total Trihalomethanes (TTHM)  
Method EPA 552.2      Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU SOUTH POND Project Number: KH247047 Project Manager: AUSTIN WORLEY Fax To:	Reported: 30-Oct-24 12:47
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DSH - 07 1'	H246438-01	Soil	21-Oct-24 17:42	22-Oct-24 13:58
DSH - 07 3'	H246438-02	Soil	21-Oct-24 18:04	22-Oct-24 13:58

10/30/24 - Client changed the sample IDs (see COC). This the revised report and will replace the one sent on 10/25/24.

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\*=Accredited Analyte

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**Analytical Results For:**

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU SOUTH POND Project Number: KH247047 Project Manager: AUSTIN WORLEY Fax To:	Reported: 30-Oct-24 12:47
--	--	------------------------------

**DSH - 07 1'  
H246438-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	4102320	HM	23-Oct-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102301	JH	23-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4102301	JH	23-Oct-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102227	MS	24-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102227	MS	24-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102227	MS	24-Oct-24	8015B	

Surrogate: 1-Chlorooctane			81.3 %	48.2-134		4102227	MS	24-Oct-24	8015B	
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Surrogate: 1-Chlorooctadecane			67.1 %	49.1-148		4102227	MS	24-Oct-24	8015B	
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**Analytical Results For:**

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU SOUTH POND Project Number: KH247047 Project Manager: AUSTIN WORLEY Fax To:	Reported: 30-Oct-24 12:47
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**DSH - 07 3'**  
**H246438-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4102320	HM	23-Oct-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102301	JH	23-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102301	JH	23-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %	71.5-134		4102301	JH	23-Oct-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102227	MS	24-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102227	MS	24-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102227	MS	24-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.8 %	48.2-134		4102227	MS	24-Oct-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.7 %	49.1-148		4102227	MS	24-Oct-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU SOUTH POND Project Number: KH247047 Project Manager: AUSTIN WORLEY Fax To:	Reported: 30-Oct-24 12:47
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4102320 - 1:4 DI Water</b>										
<b>Blank (4102320-BLK1)</b> Prepared & Analyzed: 23-Oct-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4102320-BS1)</b> Prepared & Analyzed: 23-Oct-24										
Chloride	448	16.0	mg/kg	400		112	80-120			
<b>LCS Dup (4102320-BSD1)</b> Prepared & Analyzed: 23-Oct-24										
Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU SOUTH POND Project Number: KH247047 Project Manager: AUSTIN WORLEY Fax To:	Reported: 30-Oct-24 12:47
--	--	------------------------------

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4102301 - Volatiles**

**Blank (4102301-BLK1)**

Prepared & Analyzed: 23-Oct-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

**LCS (4102301-BS1)**

Prepared & Analyzed: 23-Oct-24

Benzene	1.71	0.050	mg/kg	2.00		85.5	82.8-130			
Toluene	1.76	0.050	mg/kg	2.00		87.8	86-128			
Ethylbenzene	1.80	0.050	mg/kg	2.00		90.0	85.9-128			
m,p-Xylene	3.61	0.100	mg/kg	4.00		90.1	89-129			
o-Xylene	1.80	0.050	mg/kg	2.00		89.8	86.1-125			
Total Xylenes	5.40	0.150	mg/kg	6.00		90.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	71.5-134			

**LCS Dup (4102301-BSD1)**

Prepared & Analyzed: 23-Oct-24

Benzene	1.91	0.050	mg/kg	2.00		95.7	82.8-130	11.4	15.8	
Toluene	1.97	0.050	mg/kg	2.00		98.6	86-128	11.6	15.9	
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	85.9-128	12.8	16	
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89-129	11.2	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	11.1	16.7	
Total Xylenes	6.04	0.150	mg/kg	6.00		101	88.2-128	11.2	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.8	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424	Project: PLU SOUTH POND Project Number: KH247047 Project Manager: AUSTIN WORLEY Fax To:	Reported: 30-Oct-24 12:47
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4102227 - General Prep - Organics**

**Blank (4102227-BLK1)** Prepared: 22-Oct-24 Analyzed: 24-Oct-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	46.9		mg/kg	50.0		93.8	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	39.9		mg/kg	50.0		79.7	49.1-148			

**LCS (4102227-BS1)** Prepared: 22-Oct-24 Analyzed: 24-Oct-24

GRO C6-C10	229	10.0	mg/kg	200		114	81.5-123			
DRO >C10-C28	206	10.0	mg/kg	200		103	77.7-122			
Total TPH C6-C28	435	10.0	mg/kg	400		109	80.9-121			
<i>Surrogate: 1-Chlorooctane</i>	54.6		mg/kg	50.0		109	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	46.0		mg/kg	50.0		91.9	49.1-148			

**LCS Dup (4102227-BSD1)** Prepared: 22-Oct-24 Analyzed: 24-Oct-24

GRO C6-C10	224	10.0	mg/kg	200		112	81.5-123	2.10	13	
DRO >C10-C28	195	10.0	mg/kg	200		97.6	77.7-122	5.25	15.6	
Total TPH C6-C28	419	10.0	mg/kg	400		105	80.9-121	3.58	18.5	
<i>Surrogate: 1-Chlorooctane</i>	54.6		mg/kg	50.0		109	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	44.8		mg/kg	50.0		89.6	49.1-148			

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 1/1

Company Name: Terracon  
 Project Manager: Austin Worley  
 Address: 4526 W. Pierce Street  
 City: Carlsbad  
 Phone #: 915-262-9701  
 Project #: KH247047  
 Project Name: PLU South Pond  
 Project Location: Eddy  
 Sampler Name: Gus Sanchez

P.O. #: \_\_\_\_\_  
 Company: XTO Energy  
 Attn: Colton Brown  
 Address: 3104 E Greene St.  
 City: Carlsbad  
 State: NM, 88220  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

BILL TO:

ANALYS REQUEST

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYS REQUEST				
		Start	End			GROUNDWAT	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			ACID/BASE:	ICE / COOL	OTHER :	Chloride (EPA Method4500)	TPH Extended 8015
1844438	11 *	05/07	05/07	G	1			X					10/21/2024	17:42	X	X	X	
				G	1			X					10/21/2024	18:04	X	X	X	

Relinquished By: [Signature]

Received By: [Signature]

Time: 1:58  
 Date: 10/21/2024

Observed Temp: 33.0  
 Corrected Temp: 27.0

Sample Condition:  Cool  Sealed  Yes  No

Checked By: [Signature]

Turnaround Time: Standard  Rush  Bacteria (only) Sample Condition:  Yes  No  Corrected Temp: \_\_\_\_\_

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_

REMARKS: Cool Code: 209401001  
 \* Customer Requested Id Change - 10/21/24

FORM 608 R 3.3 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to calvy.karner@cardinallabstnm.com



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December 03, 2024

AUSTIN WORLEY  
TERRACON CONSULTANTS  
5827 50TH ST. SUITE 1  
LUBBOCK, TX 79424

RE: PLU SOUTH POND

Enclosed are the results of analyses for samples received by the laboratory on 11/25/24 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/22/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: BF - 01 0.5' (H247213-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/27/2024	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	188	94.2	200	6.85	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: Terracon Project Manager: Austin Worley Address: 4526 W. Pierce Street City: Carlsbad State: NM Zip: 88220 Phone #: 5756895949 Fax #: _____			P.O. #: _____ Company: XTO Energy Attn: Colton Brown Address: 3104 E Green St. City: Carlsbad State: NM, 88220 Phone #: _____ Fax #: _____		
Project Name: PLU South Pond Project Location: Eddy Sampler Name: Becky Sue Meadows			Project Owner: XTO Energy Matrix: <input type="checkbox"/> GROUNDWAT <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE OTHER : _____ ACID/BASE: <input checked="" type="checkbox"/> ICE / COOL OTHER : _____		
FROM LAB USE ONLY			BILL TO:		
Lab I.D. <b>H47213</b>			SAMPLE NO.		
Sample I.D.			DATE		
Depth: Start 0.5 End _____			TIME		
(G)RAB OR (C)OMP			DATE 11/22/24		
# CONTAINERS 1			TIME 9:04		
MATRIX: <input checked="" type="checkbox"/> SOIL			ANALYSIS REQUEST		
Chloride (EPA Method 4500)			<input checked="" type="checkbox"/>		
TPH Extended 8015			<input checked="" type="checkbox"/>		
BTEX (EPA Method 8021B)			<input checked="" type="checkbox"/>		
Hold			<input type="checkbox"/>		

FOR USE BY THE CLIENT ONLY: All results are emailed. Please provide email address: [patrick.guerrero@terracon.com](mailto:patrick.guerrero@terracon.com); [christina.casby@terracon.com](mailto:christina.casby@terracon.com); [chuck.smith@terracon.com](mailto:chuck.smith@terracon.com); [becky.sue.meadows@terracon.com](mailto:becky.sue.meadows@terracon.com); [gal.lanier@terracon.com](mailto:gal.lanier@terracon.com)

Relinquished By: <b>B Meadows</b> Date: <b>11-25-24</b>	Received By: <i>[Signature]</i> Date: <b>12-05</b>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____
Delivered By: (Circle One) Sampler - UPS <input type="checkbox"/> - Bus <input type="checkbox"/> - Other: <b>5.8</b> Observed Temp: <b>5.8</b> °C Connected Temp: <b>5.3</b> °C	CHECKED BY: <i>[Signature]</i> (Initials)	Turnaround Time: Standard <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/> Barista (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Observed Temp: °C Cool <input type="checkbox"/> Connected Temp: °C
REMARKS: Cool Code: 2026141001		



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

December 03, 2024

AUSTIN WORLEY  
TERRACON CONSULTANTS  
5827 50TH ST. SUITE 1  
LUBBOCK, TX 79424

RE: PLU SOUTH POND

Enclosed are the results of analyses for samples received by the laboratory on 11/25/24 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/21/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: CSW - 01 0-0.5' (H247214-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	11/27/2024	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSW - 02 0-0.5' (H247214-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>784</b>	16.0	11/27/2024	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSW - 03 0-0.5' (H247214-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	11/27/2024	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSW - 04 0-0.5' (H247214-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/27/2024	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSF - 01 0.5' (H247214-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/21/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: CSF - 02 0.5' (H247214-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1120</b>	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/21/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: CSF - 03 0.5' (H247214-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSF - 04 0.5' (H247214-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/21/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: CSF - 05 0.5' (H247214-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/21/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: CSF - 06 0.5' (H247214-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94		
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21		
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93		
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40		
Total BTEX	<0.300	0.300	11/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	11/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80		
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14		
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND						

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSF - 07 0.5' (H247214-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	11/25/2024	Sampling Date:	11/21/2024
Reported:	12/03/2024	Sampling Type:	Soil
Project Name:	PLU SOUTH POND	Sampling Condition:	Cool & Intact
Project Number:	KH247047	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY CO NM		

**Sample ID: CSF - 08 0.5' (H247214-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSF - 09 0.5' (H247214-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.22	111	2.00	1.85	
Toluene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.24	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.20	110	2.00	1.53	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	6.90	115	6.00	0.882	
Total BTEX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/27/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	192	96.0	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 AUSTIN WORLEY  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/25/2024  
 Reported: 12/03/2024  
 Project Name: PLU SOUTH POND  
 Project Number: KH247047  
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CSF - 10 0.5' (H247214-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/28/2024	ND	2.22	111	2.00	1.85		
Toluene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.24		
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.20	110	2.00	1.53		
Total Xylenes*	<0.150	0.150	11/28/2024	ND	6.90	115	6.00	0.882		
Total BTEX	<0.300	0.300	11/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>240</b>	16.0	11/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	185	92.5	200	3.80		
<b>DRO &gt;C10-C28*</b>	<b>30.7</b>	10.0	11/27/2024	ND	192	96.0	200	3.14		
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon  
 Project Manager: Austin Worley  
 Address: 4526 W. Pierce Street  
 City: Carlsbad State: NM Zip: 88220  
 Phone #: 5756895949 Fax #: 5756895949  
 Project #: KH247047 Project Owner: XTO Energy  
 Project Name: PLU South Pond  
 Project Location: Eddy  
 Sampler Name: Becky Sue Meadows  
 P.O. #: Company: XTO Energy  
 Addr: Colton Brown  
 Address: 3104 E Green St.  
 City: Carlsbad  
 State: NM, 88220  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OM	# CONTAINERS	MATRIX							DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 80218)	Hold
		Start	End			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
H247214		1	0.5	C 1	X	X							11/21/24	14:34	X	X	X	
		12	0.5	C 1	X	X							11/21/24	14:36	X	X	X	
		13	0.5	C 1	X	X							11/21/24	14:37	X	X	X	
		14	0.5	C 1	X	X							11/21/24	14:38	X	X	X	

Relinquished By: *B Meadows* Date: 11-25-24  
 Received By: *Becky Sue Meadows*  
 Time: 1:00 PM Received By: *Becky Sue Meadows*  
 Date: 11/25/24  
 Observed Temp: 5.8 °C  
 Corrected Temp: 5.2 °C  
 Sample Condition: Cool  / Soak   
 Checked By: *JS*  
 Turnaround Time: Standard  Bacteria (only) Sample Condition: Cool  / Observed Temp: °C  
 Transmitted ID: 4448-410  Bacteria (only) Sample Condition: Cool  / Observed Temp: °C  
 Correction Factor: 4.4°C  Bacteria (only) Sample Condition: Cool  / Observed Temp: °C



## **APPENDIX G – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE**

### **Standard of Care**

Terracon’s services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, XTO Energy, as reflected in our Master Services Agreement.

### **Additional Scope Limitations**

The development of this Closure Report is based on information provided by XTO Energy and Terracon’s remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by XTO Energy. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

### **Reliance**

This report has been prepared for the exclusive use of XTO Energy, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of XTO Energy and Terracon. Any unauthorized distribution or reuse is at the sole risk of XTO Energy. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and XTO Energy and Terracon’s Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon’s liability to XTO Energy and all relying parties unless otherwise agreed in writing.

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

QUESTIONS

Action 509741

**QUESTIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2428149257
Incident Name	NAPP2428149257 PLU SOUTH FRAC POND @ J-27-25S-30E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	PLU South Frac Pond
Date Release Discovered	10/05/2024
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Other (Specify)   Produced Water   Released: 20 BBL   Recovered: 1 BBL   Lost: 19 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Recirculating line on the main pond pump eroded.

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QUESTIONS, Page 2

Action 509741

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/26/2025
--	--

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 509741

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6080
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30.7
GRO+DRO (EPA SW-846 Method 8015M)	30.7
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	11/21/2024
On what date will (or did) the final sampling or liner inspection occur	11/21/2024
On what date will (or was) the remediation complete(d)	11/22/2024
What is the estimated surface area (in square feet) that will be reclaimed	3400
What is the estimated volume (in cubic yards) that will be reclaimed	250
What is the estimated surface area (in square feet) that will be remediated	3400
What is the estimated volume (in cubic yards) that will be remediated	250
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 509741

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	FEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/26/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office  
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**

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Action 509741

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 509741

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>404910</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>11/22/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>14</b>
What was the sampling surface area in square feet	<b>500</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3400
What was the total volume (cubic yards) remediated	72
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3400
What was the total volume (in cubic yards) reclaimed	72
Summarize any additional remediation activities not included by answers (above)	Remediation efforts were conducted at the PLU South Frac Pond following a release of 20 bbls of produced water on the pad. The release was remediated to the applicable NMOCD remediation standards with the groundwater on-site being greater than 100+ below ground surface.

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/26/2025
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Action 509741

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 509741

**CONDITIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509741
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2428149257 PLU South Frac Pond, thank you. This Remediation Closure Report is approved.	11/12/2025