



April 29, 2025

NMOCD District 2  
1811 S. First St.,  
Artesia, New Mexico 88210

SUBJECT: Remediation Closure Report for the Lotus SWD #001 Release (NAPP2110953917),  
Lea County, New Mexico

To Whom It May Concern,

On behalf of Owl SWD Operating LLC, Strata Resources (Strata) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the Lotus SWD #001. The site is in Unit A, Section 32, Township 22S, Range 32E, Lea County, New Mexico, on state land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and closure criteria.

Table 1: Release Information and Closure Criteria			
Name	Lotus SWD #001	Company	Owl SWD Operating LLC
API Number	N/A	Location	32.35341, -103.69041
Incident Number	nAPP2110953917		
Estimated Date of Release	04/14/2021	Date Reported to NMOCD	04/19/2021
Land-Owner	State	Reported To	NMOCD, NMSLO
Source of Release	Check valve malfunction		
Released Volume	20 bbls	Released Material	Produced Water
Recovered Volume	0 bbls	Net Release	20 bbls
NMOCD Closure Criteria	<50 feet to groundwater		
Strata Response Dates	12/11/2024, 01/17/2025, 3/13/2025		



## **1.0 Background**

On April 14, 2021, a release was discovered at the Lotus SWD #001 after a check valve had malfunctioned. Initial response actions were conducted by the operator and included source elimination by means of repair, site stabilization, and release recovery. The release consisted of 20 barrels of produced water with no recoverable quantities. Figures 1 and 2 illustrate the vicinity and site location, while Figure 3a illustrates the release location.

## **2.0 Site Information and Closure Criteria**

The Lotus SWD #001 is located approximately 24 miles northeast of Loving, New Mexico on New Mexico State owned land at an elevation of approximately 3555 feet above mean sea level (amsl).

Based upon the New Mexico Office of the State Engineers (NMOSE) and United States Geological Survey online water well database, depth to groundwater in the area is greater than 50 feet below grade surface (bgs). There is no known water well sources within ½-mile of the location, according to the NMOSE database ([https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 01/26/2025). The nearest significant water feature is an un-named waterbody/playa, located approximately 9,094 feet southeast of the location.

The nearest significant watercourse is an un-named draw that leads to Red Tank, located approximately 12,3245 feet northwest of the location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix A.

## **3.0 Release Characterization and Remediation Activities**

On April 14, 2021, a release was discovered at the Lotus SWD #001 after a check valve had malfunctioned. Initial response actions were conducted by the operator and included source elimination by means of repair, site stabilization, and release recovery. The release consisted of 20 barrels of produced water with no recoverable quantities.

Strata Resources was hired to conduct a reclamation workplan on behalf of Owl SWD Operating for the Lotus SWD #001 to New Mexico State Land Office (NMSLO). During the desktop review of Lotus SWD #001, Strata found that incident no. nAPP2110953917 was still open. Strata contacted Nelson Velez to notify NMOCD that Strata will be working on getting incident no. nAPP2110953917 closed out concurrent with reclamation activities.



On December 11, 2024, initial site investigation activities were performed at the Lotus SWD #001. Soil samples were collected throughout the visibly stained area, as well as other areas of concern to determine vertical extent.

A total of twenty-seven (27) sample points (SP1-SP27) were vertically delineated within the areas of concern to depths up to five (5) feet bgs. Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. A total of 27 samples were collected for laboratory analysis for chloride using the United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D.

On December 18, 2024, laboratory analysis indicated that sample locations SP1, SP3, SP4, SP22 – SP27 exceeded NMOCD closure criteria.

On January 17, 2025, personnel returned to the site to further delineate sample locations SP1, SP3, SP4, SP22 – SP27. The areas surrounding sample locations SP4, SP22, SP24, and SP26 were delineated to ten (10) feet bgs. The areas surrounding sample locations SP1, SP3, SP23, SP25, and SP27 were delineated to eight (8) feet bgs.

A total of thirteen (13) samples were collected for laboratory analysis for chloride using the United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D.

On January 28, 2025, Strata received laboratory confirmation that all samples were below NMOCD closure criteria.

On February 19, 2025, Owl SWD Operating submitted the remediation workplan and it was approved on March 03, 2025.

#### **4.0 Remediation Activities**

Remediation activities were completed in two areas. The first area surrounding confirmation sample points CBS1-CBS9 was excavated to a depth of ten (10) feet bgs. The second area surrounding confirmation sample points CBS10-CBS25 was excavated to a depth of eight (8) feet bgs. NMOCD was notified on March 10, 2024, that closure samples were expected to be collected in two (2) business days. A copy of this notification is included in Appendix D.

Confirmation samples were comprised of representative wall and base 5-point composite samples, each representing 200 ft<sup>2</sup> of the exposed excavation area. A total of twenty-five (25) confirmation samples were collected (CBS1-CBS25) at the base of the excavation and a total of fifteen (15) sidewall samples (CSW1-CSW15). In addition, a sample (Backfill) was collected from the media being used as backfill material.



All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratories, in Hobbs, New Mexico (Appendix C). A total of forty-one (41) samples were collected for laboratory analysis of total chloride using the United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D.

Approximately 1,920 cubic yards of contaminated soil were removed and replaced with clean backfill material in order to return the surface to previous conditions. The contaminated soil was transported for disposal at R360 Environmental Solutions near Hobbs, NM, an NMOCD-permitted disposal facility. Photographs of the area during excavation are included in Appendix E.

On March 19, 2025, Strata received lab confirmation that all samples were below NMOCD closure criteria (Table 4). Figure 3b shows the extent of the excavation and confirmation sample locations. All laboratory results are summarized in Table 4 and the analytical reports are included in Appendix C.

### **5.0 Reclamation Report and Revegetation Plan**

Following confirmation sampling, the excavated areas were backfilled with locally sourced “like-kind” material. The impacted area was re-contoured and compacted to achieve erosion control, stability, and preservation of surface water erosion to the extent practicable. Photographs of the area following backfill and reclamation are included in Appendix E.

The affected area was reseeded on April 22, 2025, with landowner-approved seed mixture of approximately 2.28-acre rate of Deep Sand (DS) Sites Mixture seed blend by hand-held broadcast method and disked in. Figure 4 illustrates the area that was reclaimed and reseeded. This area was reclaimed and reseeded as a part of the NMSLO Reclamation Workplan following plug and abandonment designation.

Regular surveys will be conducted semi-annually to monitor the health and growth of vegetation. Once the vegetative growth meets the life-form ratio of plus or minus 50% of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds (NMAC 19.15.29.13 D. (3)), a site-specific Revegetation Report will be completed. The Revegetation Report will include:

- An executive summary of the revegetation activities
- A scaled site map of the revegetated areas
- Revegetation inspections detailing the life-form ratio / no noxious weeds
- Photographs



## **6.0 Cultural and Biological Compliance**

The Lotus SWD #001 reclaim will be conducted within the leased property of equipment needed for production activities and will not affect areas previously undisturbed. Therefore, reclamation activities will not require an Archeological Records Management Section (ARMS) review.

The Lotus SWD #001 is within the Isolated Population Area and the timing restrictions area for the Lesser Prairie Chicken Habitat. Therefore, no work will be conducted within the hours of 3:00 am to 9:00 am between March 1st and June 15th.

## **7.0 Scope and Limitations**

The scope of our services included: verifying release stabilizations; regulatory liaison; and preparation of remediation plan and closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Hayden Acosta at 505-249-9506 or [hayden@strataresourcesllc.com](mailto:hayden@strataresourcesllc.com).

Submitted by:

Strata Resources LLC

A handwritten signature in black ink, appearing to read "Hayden Acosta". The signature is fluid and cursive, with a long horizontal stroke at the end.

Hayden Acosta  
Project Scientist



## **ATTACHMENTS**

### **Figures:**

Figure 1: Topographic Site Map

Figure 2: Aerial Site Map

Figure 3: Site Characterization Map

Figure 3a: Proposed Excavation Depth Map

Figure 3b: Confirmation Sampling and Excavation Map

Figure 4: Reclamation and Seeding Area Map

### **Tables:**

Table 2: NMOCD Closure Criteria

Table 3: Summary of Sample Results

Table 4: Summary of Confirmation Sample Results

### **Appendices:**

Appendix A: NMOCD Correspondence

Appendix B: NMOSE Wells Report

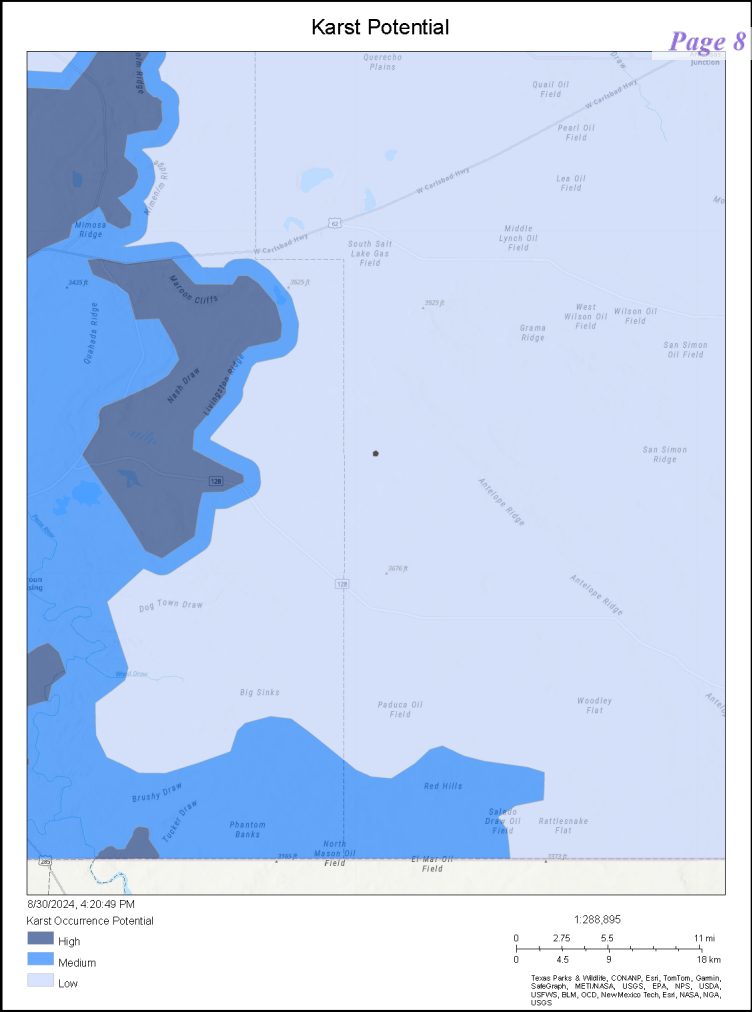
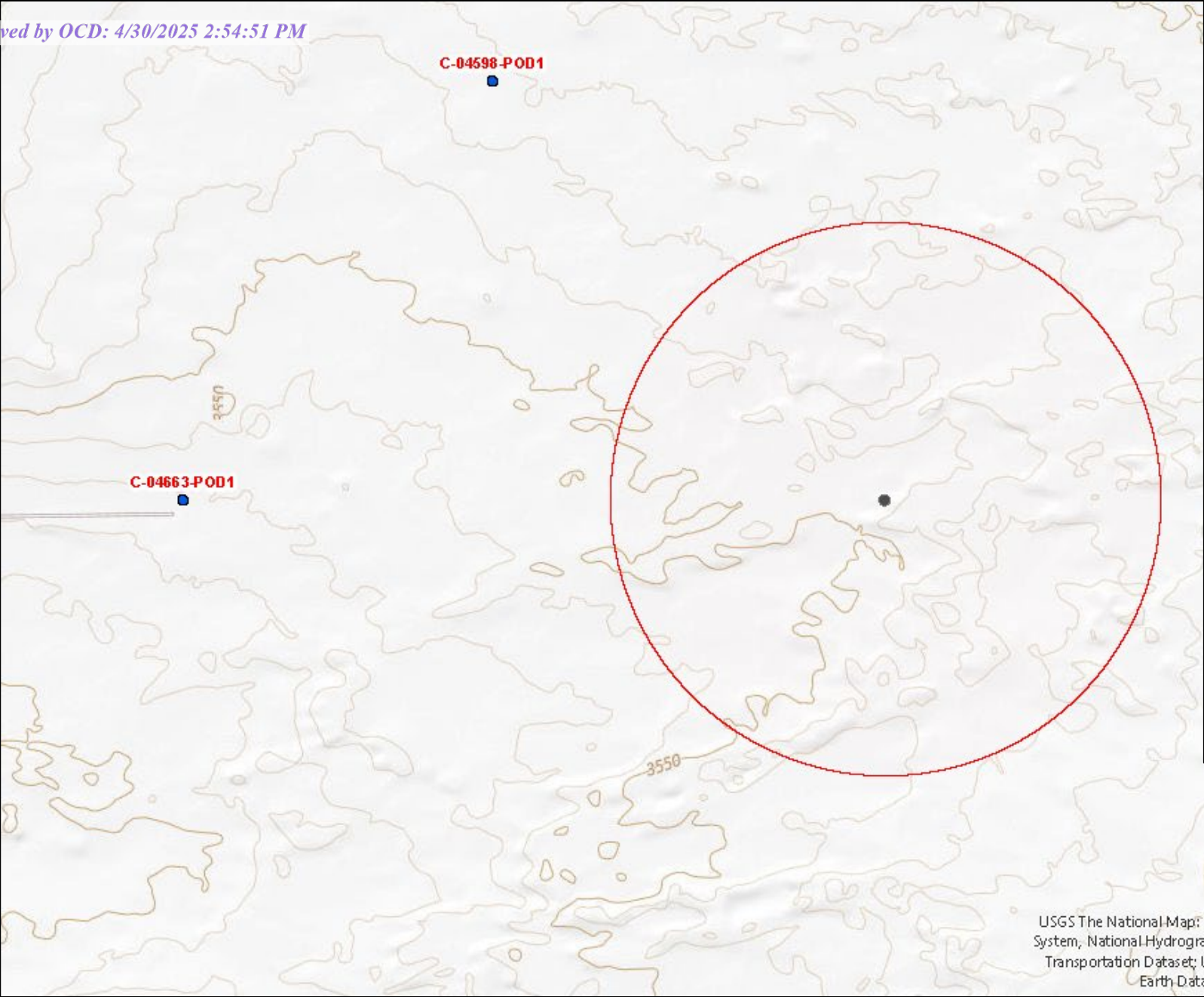
Appendix C: Analytical Laboratory Results

Appendix D: Notification of Sampling

Appendix E: Photo Log



## FIGURES



USGS The National Map; National Boundaries Dataset; 3DEP Elevation Program; Geographic Names Information System; National Hydrography Dataset; National Land Cover Database; National Structures Dataset; and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information





Drawn By: HEA

Reviewed By: LAA

Released to Imaging: 7/6/2025 2:01:57 PM

Date Drawn: 06/30/2024

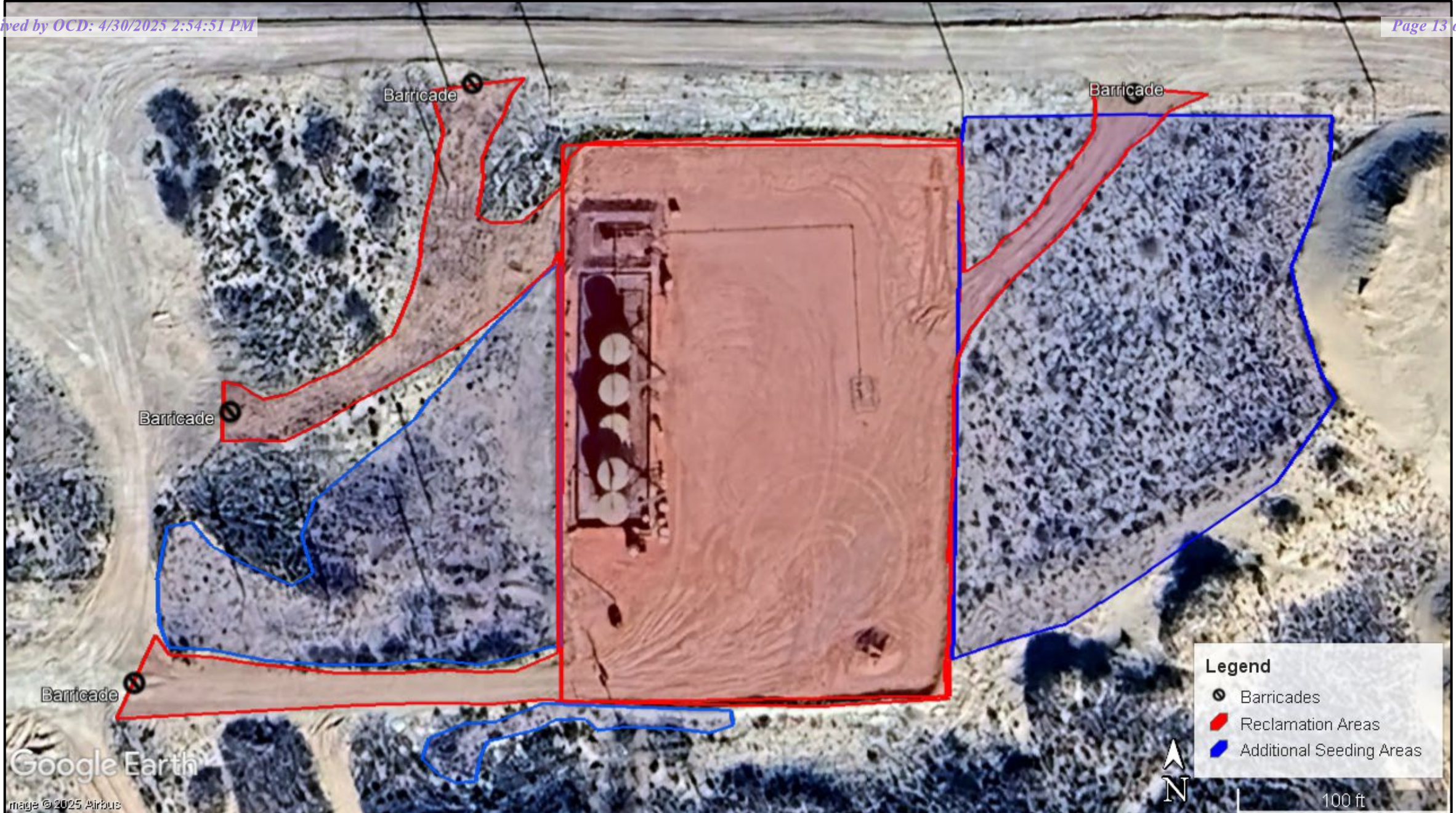
Figure 3: Characterization Map  
Lotus SWD #001 – Owl SWD Operating  
UL: A S: 32 T: 22 S R: 32E / LAT: 32.3534355 LONG: -103.6903763

P.O. Box 2474  
Carlsbad, NM 88221









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Date Drawn: 04/28/2025

Figure 4: Reclamation and Seeding Area Map

Lotus SWD #001 – Owl SWD Operating

UL: A S: 32 T: 22S R: 32E / LAT: 32.3534355 LONG: -103.6903763

P.O. Box 2474  
Carlsbad, NM 88221



## **TABLES**

Table 2:  
NMOCD Closure Criteria

Owl SWD Operating, LLC  
Lotus SWD #001 - NAPP2110953917

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	> 50	New Mexico Office of the State Engineer
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	> 1/2 Mile	United States Geological Survey Topo Map
Horizontal Distance to Nearest Significant Watercourse (ft)	> 10,000	United States Geological Survey Topo Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					

Table 3: Summary of Sample Results

Owl SWD Operating, LLC  
Lotus SWD #001 - NAPP2110953917

Sample ID	Sample Date	Proposed Action	Depth (feet bgs)	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl-mg/Kg
NMOCD Closure Criteria <50				50	10	-		-	100	600
SP1	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	1010
	1/17/2025	In-Situ	8	-	-	-	-	-	-	<16.0
SP2	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
		In-Situ	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	256
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP3	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	1310
	1/17/2025	In-Situ	8	-	-	-	-	-	-	32
SP4	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	816
	1/17/2025	In-Situ	10	-	-	-	-	-	-	16
SP5	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
		In-Situ	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	96
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP6	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
		In-Situ	5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	496
SP7	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
		In-Situ	1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	384
SP8	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
		In-Situ	5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	544

Table 3: Summary of Sample Results

Owl SWD Operating, LLC  
Lotus SWD #001 - NAPP2110953917

SP9	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	96
		In-Situ	2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP10	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	64
		In-Situ	2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP11	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
		In-Situ	2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP12	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
		In-Situ	2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP13	12/11/2024	In-Situ	Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP14	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
		In-Situ	4	-	-	-	-	-	-	-
SP15	12/11/2024	In-Situ	5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	576
			Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
SP16	12/11/2024	In-Situ	4	-	-	-	-	-	-	-
			Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	64
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
SP17	12/11/2024	In-Situ	4	-	-	-	-	-	-	-
			Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	352
			4	-	-	-	-	-	-	-

Table 3: Summary of Sample Results

Owl SWD Operating, LLC  
Lotus SWD #001 - NAPP2110953917

SP18	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	368
		In-Situ	2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP19	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
		In-Situ	2	-	-	-	-	-	-	-
			3	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	160
			4	-	-	-	-	-	-	-
SP20	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	176
		In-Situ	2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
SP21	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
		In-Situ	4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	144
SP22	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	960
	1/17/2025	In-Situ	10	-	-	-	-	-	-	16
SP23	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	608
			2	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	-	-	-	-	-	-	-
	1/17/2025	In-Situ	8	-	-	-	-	-	-	32
SP24	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	1730
	1/17/2025	In-Situ	10	-	-	-	-	-	-	16

Table 3: Summary of Sample Results

Owl SWD Operating, LLC

Lotus SWD #001 - NAPP2110953917

SP25	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	1420
SP26	1/17/2025	In-Situ	8	-	-	-	-	-	-	16
	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	<0.300	<0.050	3830	769	<10.0	4599	240
SP27	1/17/2025	In-Situ	10	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
	12/11/2024	Excavate	Surface	-	-	-	-	-	-	-
			1	-	-	-	-	-	-	-
			2	-	-	-	-	-	-	-
			3	-	-	-	-	-	-	-
			4	-	-	-	-	-	-	-
			5	<0.300	<0.050	<10.0	<10.0	<10.0	<0.30	1010
SP28	1/17/2025	In-Situ	8	-	-	-	-	-	-	32
	1/17/2025	In-Situ	Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
	1/17/2025	In-Situ	Surface	<0.300	<0.50	<10.0	<10.0	<10.0	<10.0	16
	1/17/2025	In-Situ	Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
	1/17/2025	In-Situ	Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16

Table 4: Summary of Confirmation Sample Results

Owl SWD Operating, LLC

Lotus SWD #001 - NAPP2110953917

Sample ID	Sample Date	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg
NMOCD Closure Criteria <50		50	10	-		-	100	600
Base Samples								
CBS1	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS2	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CBS3	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS4	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS5	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS6	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS7	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS8	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS9	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS10	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS11	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS12	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS13	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS14	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS15	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48
CBS16	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS17	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CBS18	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CBS19	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS20	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CBS21	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS22	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS23	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48
CBS24	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CBS25	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
Sidewall Samples								
CSW1	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW2	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW3	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW4	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW5	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CSW6	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW7	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW8	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CSW9	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW10	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16
CSW11	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16
CSW12	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16
CSW13	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16

Table 4: Summary of Confirmation Sample Results

Owl SWD Operating, LLC

Lotus SWD #001 - NAPP2110953917

CSW14	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16
CSW15	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16
Backfill Samples								
Backfill	3/13/2025	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16



## **APPENDIX A: NMOCD CORRESPONDENCE**

**From:** [Lynn Acosta](#)  
**To:** [Nelson.Velez@state.nm.us](mailto:Nelson.Velez@state.nm.us)  
**Cc:** [Hayden Acosta](#)  
**Subject:** RE: Lotus SWD #001 - Reclaim  
**Date:** Sunday, January 19, 2025 8:29:00 PM  
**Attachments:** [image001.png](#)

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Good Evening Nelson,

I apologize about the late email, things finally got settled at the Acosta household and wanted to update you on this.

Last week we went ahead and started delineating the area where incident no. NAPP2110953917 had occurred. We are awaiting lab results that were sent off to Cardinal labs. According to the field screening, we will likely be going through a remediation plan process since this not only involving NMOCD (incident closure) but NMSLO (reclaim) as well.

Again, just wanted to keep you updated. Give me or Hayden a call if you have any questions. Thank you for your time.



**Lynn Acosta**  
Project Geoscientist

[lynn@strataresourcesllc.com](mailto:lynn@strataresourcesllc.com)  
505-516-7469  
PO Box 2474  
Carlsbad, NM 88221

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**From:** Lynn Acosta  
**Sent:** Monday, January 6, 2025 11:30 AM  
**To:** [Nelson.Velez@state.nm.us](mailto:Nelson.Velez@state.nm.us)  
**Cc:** Hayden Acosta <[hayden@strataresourcesllc.com](mailto:hayden@strataresourcesllc.com)>  
**Subject:** Lotus SWD #001 - Reclaim

Good Morning Nelson,

I got your contact information from Ashley Maxwell. We conducted a reclaim workplan for Owl SWD Operating at the Lotus SWD #001 site that is on New Mexico State Land. During our investigation we noticed that Incident No. NAPP2110953917 was never progressed after the initial NOR and C-141 were filed. I wanted to reach out to you to work on getting this closed out so that reclamation can proceed.

While researching this incident I determined that there are three water wells within a mile of the release area. The three water wells are due northwest, west, and southeast. I have attached the downloadable excel file from NMOSE showing distance from Lotus No. 1 to the water well, depth drilled, and water level. I have also attached the well logs for each well. The northwest water well was drilled to 56 feet bgs and finalized as a dry hole. The west well was drilled to 110 feet bgs and finalized as a dry hole. The south water well was drilled to 105 feet bgs and finalized with a depth to water at 78 feet bgs. Based on this information, I would like to request a variance for a closure criterion of Depth to Groundwater greater than 50 ft bgs.

Please let me know if you have any questions or concerns.



**Lynn Acosta**

Project Geoscientist

[lynn@strataresourcesllc.com](mailto:lynn@strataresourcesllc.com)

505-516-7469

PO Box 2474

Carlsbad, NM 88221



## **APPENDIX B: NMOSE WELLS REPORT**



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">C 04862 POD1</a>		CUB	LE	NE	NW	NW	04	23S	32E	623697.0	3578798.5		1636	105	78	27
<a href="#">C 04598 POD1</a>		CUB	LE	NE	SW	NW	29	22S	32E	622069.2	3581570.2		1671	56		
<a href="#">C 04663 POD1</a>		CUB	LE	SW	NW	NE	31	22S	32E	621181.3	3580341.4		2047	110		

Average Depth to Water: 78 feet

Minimum Depth: 78 feet

Maximum Depth: 78 feet

Record Count: 3

UTM Filters (in meters):

Easting: 623228.71



Northing: 3580366.18

Radius: 2700

\* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)														(quarters are smallest to largest)		(NAD83 UTM in meters)		(In feet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth						
<a href="#">C 04598 POD1</a>		CUB	LE	NE	SW	NW	29	22S	32E	622069.2	3581570.2		1671	56						
<a href="#">C 04663 POD1</a>		CUB	LE	SW	NW	NE	31	22S	32E	621181.3	3580341.4		2047	110						

Average

Minimum

Maximum



**Record Count:** 2

**UTM Filters (in meters):**

**Easting:** 623228.71  
**Northing:** 3580366.18  
**Radius:** 2500

\* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE DIT APR 8 2022 PM 3:14

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). C-4598			
	WELL OWNER NAME(S) <b>Lucid Energy Group</b>				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS <b>201 S. 4th St</b>				CITY <b>Artesia</b>	STATE NM	ZIP <b>88210</b>	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 21	SECONDS 51.92	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	42	9.15	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SW NW Sec. 29 T22S R32E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 3/30/2022	DRILLING ENDED 3/30/2022	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±56	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 3/30/2022, 04/05/2025		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		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)
	0 56		±6.5	Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. <b>C-4598</b>	POD NO. <b>1</b>	TRN NO. <b>719278</b>
LOCATION <b>22S.32E.29.1.3.2</b>	WELL TAG ID NO. <b>N-A</b>	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	19	19	Sand, medium grained, poorly graded, with caliche, Tan and white	Y    ✓ N	
	19	29	10	Sand, medium grained, poorly graded, Red	Y    ✓ N	
	29	56	27	Clay, Hard, Red, Dry	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):            0.00

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	<div style="text-align: right; color: blue; font-style: italic;">OSE DIT APR 8 2022 PM3:14</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             SIGNATURE OF DRILLER / PRINT SIGNED NAME         </div> <div style="text-align: center;">           Jackie D. Atkins            _____            DATE         </div> <div style="text-align: center;">           04/07/2022            _____         </div> </div>	

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 01/28/2022)

FILE NO. <b>C-4598</b>	POD NO. <b>1</b>	TRN NO. <b>719278</b>
LOCATION <b>225.32E.29.1.3.2</b>	WELL TAG ID NO. <b>N-A</b>	PAGE 2 OF 2

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO**  
**OFFICE OF THE STATE ENGINEER**

Trn Nbr: 719278  
File Nbr: C 04598  
Well File Nbr: C 04598 POD1

Apr. 19, 2022

MICHAEL GANT  
LUCID ENERGY GROUP  
201 S 4TH ST  
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 02/17/2022.

The Well Record was received in this office on 04/08/2022, stating that it had been completed on 03/30/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/17/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Deborah Jones".

Deborah Jones  
(575) 622-6521

drywell



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

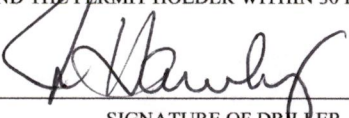
[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4862		
	WELL OWNER NAME(S) Coterra Energy Co.				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 6001 Deauville Blvd. Ste. 300N				CITY Midland	STATE TX	
					ZIP 79706		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 20	SECONDS 21.28	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE -103	41	8.18	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NWNW S-4 T-23S R-32E							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC	
	DRILLING STARTED 8/14/24	DRILLING ENDED 8/14/24	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) 78		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 78	DATE STATIC MEASURED 8/20/24	
	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) FROM TO		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)
				No casing left in hole			
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE - RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)		AMOUNT (cubic feet)	METHOD OF PLACEMENT
				N/A			

FOR OSE INTERNAL USE

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

FILE NO. C-04862	POD NO. 1	TRN NO. 764584
LOCATION 23S. 32E. 04. 211	WELL TAG ID NO.	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	15	15	White caliche	Y ✓ N	
15	20	5	gray sandy clay	Y ✓ N	
20	40	20	red sandy clay	Y ✓ N	
40	85	45	blue/gray sandy clay	✓ Y N	
85	105	20	red clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: N/A				TOTAL ESTIMATED WELL YIELD (gpm): 0	
<b>5. TEST; RIG SUPERVISION</b>					
WELL TEST		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION: Well was drilled on 8/14/24, well was gauged with a well sounder on 8/20/24/, casing was removed. Well will be plugged on 8/22/24 pursuant to the approved plugging plan of operations.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer					
<b>6. SIGNATURE</b>					
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
			James Hawley		8/20/24
SIGNATURE OF DRILLER / PRINT SIGNEE NAME			DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-04862	POD NO. 1	TRN NO. 764584	
LOCATION 23S. 32E. 04. 211	WELL TAG ID NO. —		PAGE 2 OF 2



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04663 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04663		
	WELL OWNER NAME(S) OXY US INC				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON	STATE TX	
					ZIP 77210		
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 21	SECONDS 12.43	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE -103	42	43.74	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE PROXIMITY 31							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE	
	DRILLING STARTED 09/01/2022	DRILLING ENDED 09/01/2022	DEPTH OF COMPLETED WELL (FT) 110	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	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:						
	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)
	FROM	TO					
				NO CASING IN HOLE			
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
				N/A			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-04663	POD NO. 1	TRN NO. 732427
LOCATION 27S. 32E. 31. 3. 1. 2	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10		RED SAND	Y ✓ N	
	10	14		CALICHIE	Y ✓ N	
	14	17		RED SAND	Y ✓ N	
	17	40		RED SANDY CLAY	Y ✓ N	
	40	90		SANDSTONE	Y ✓ N	
	90	97		RED CLAY	Y ✓ N	
	97	100		SANDSTONE	Y ✓ N	
	100	110		RED CLAY WITH SANDSTONE	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DRY HOLE					TOTAL ESTIMATED WELL YIELD (gpm): 0.00
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:  <div>09/01/2022 11:31</div>					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. <div>Russell Southerland RUSSELL SOUTHERLAND</div>					09/01/2022 DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO. C-04663	POD NO. 1	TRN NO. 732427	
LOCATION 775.32E, 31.3.1.2	WELL TAG ID NO. _____	PAGE 2 OF 2	



## **APPENDIX C: ANALYTICAL LABORATORY RESULTS**



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

December 18, 2024

LYNN ACOSTA

TIGER ENERGY OILFIELD SERVICES

5506 MOUNTAIN VIEW DR.

SNYDER, TX 79549

RE: LOTUS SWD

Enclosed are the results of analyses for samples received by the laboratory on 12/12/24 14:57.

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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 1 @ 5 (H247543-01)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	12/16/2024	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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 2 @ 1 (H247543-02)**

BTX 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	12/14/2024	ND	1.87	93.5	2.00	3.01	
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83	
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13	
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58	
Total BTX	<0.300	0.300	12/14/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/16/2024	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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 3 @ 5 (H247543-03)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	12/16/2024	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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 4 @ 5 (H247543-04)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEx	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	12/16/2024	ND	400	100	400	11.3	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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 5 @ 1 (H247543-05)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEx	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 6 @ 5 (H247543-06)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 7 @ 4 (H247543-07)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 8 @ 5 (H247543-08)**

BTX 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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 9 @ 1 (H247543-09)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 10 @ 1 (H247543-10)**

BTX 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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 11 @ 1 (H247543-11)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 12 @ 1 (H247543-12)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEx	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 13 @ SUR (H247543-13)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 14 @ 5 (H247543-14)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 15 @ 1 (H247543-15)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 16 @ 1 (H247543-16)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 17 @ 3 (H247543-17)**

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	12/14/2024	ND	1.87	93.5	2.00	3.01		
Toluene*	<0.050	0.050	12/14/2024	ND	1.91	95.7	2.00	1.83		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	1.97	98.7	2.00	1.13		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.02	100	6.00	1.58		
Total BTEX	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 18 @ 1 (H247543-18)**

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	12/14/2024	ND	2.27	114	2.00	6.60	
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9	
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4	
Total BTEx	<0.300	0.300	12/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 19 @ 3 (H247543-19)**

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	12/14/2024	ND	2.27	114	2.00	6.60		
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4		
Total BTEX	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/13/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 20 @ 1 (H247543-20)**

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	12/14/2024	ND	2.27	114	2.00	6.60		
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4		
Total BTEx	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/16/2024	ND	184	91.8	200	0.121	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	186	92.8	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 21 @ 5 (H247543-21)**

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	12/14/2024	ND	2.27	114	2.00	6.60	
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9	
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4	
Total BTEX	<0.300	0.300	12/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 22 @ 5 (H247543-22)**

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	12/14/2024	ND	2.27	114	2.00	6.60		
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4		
Total BTEX	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 23 @ 1 (H247543-23)**

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	12/14/2024	ND	2.27	114	2.00	6.60		
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4		
Total BTEx	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/16/2024	ND	400	100	400	11.3		

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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 24 @ 5 (H247543-24)**

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	12/14/2024	ND	2.27	114	2.00	6.60		
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4		
Total BTEx	<0.300	0.300	12/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	12/17/2024	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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 25 @ 5 (H247543-25)**

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	12/14/2024	ND	2.27	114	2.00	6.60	
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9	
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4	
Total BTEX	<0.300	0.300	12/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	12/17/2024	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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 26 @ 1 (H247543-26)**

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	12/14/2024	ND	2.27	114	2.00	6.60	
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9	
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4	
Total BTEX	<0.300	0.300	12/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/17/2024	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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	3830	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	769	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 12/12/2024  
 Reported: 12/18/2024  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 12/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP # 27 @ 5 (H247543-27)**

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	12/14/2024	ND	2.27	114	2.00	6.60		
Toluene*	<0.050	0.050	12/14/2024	ND	2.29	114	2.00	10.9		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.34	117	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	7.01	117	6.00	12.4		
Total BTEx	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	12/17/2024	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	12/13/2024	ND	198	99.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	12/13/2024	ND	174	86.8	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/13/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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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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A handwritten signature in black ink, appearing to read "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: <u>Tiger Energy Oilfield Services</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																							
Project Manager: <u>Lynn Acosta</u>				P.O. #:				<u>BT EX</u> <u>TPH 8015 Gro. Pro. MRO</u> <u>CI</u>																							
Address: <u>5506 Mountain View Dr</u>				Company: <u>Tiger Energy</u>																											
City: <u>Snyder</u> State: <u>TX</u> Zip: <u>79549</u>				Attn:																											
Phone #: <u>432-894-2967</u> Fax #:				Address:																											
Project #: _____ Project Owner:				City:																											
Project Name: <u>Lotus SWD</u>				State: _____ Zip: _____																											
Project Location:				Phone #:																											
Sampler Name:				Fax #:																											
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING																					
						(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
		<u>H201513</u>		<u>SP#1 C5</u>										<u>X</u>										<u>X</u>				<u>12-11-21</u>			
		<u>1</u>		<u>SP#2 C1</u>																											
		<u>2</u>		<u>SP#3 C5</u>																											
		<u>3</u>		<u>SP#4 C5</u>																											
		<u>4</u>		<u>SP#5 C1</u>																											
		<u>5</u>		<u>SP#6 C5</u>																											
		<u>6</u>		<u>SP#7 C4</u>																											
		<u>7</u>		<u>SP#8 C5</u>																											
		<u>8</u>		<u>SP#9 C1</u>																											
		<u>9</u>		<u>SP#10 C1</u>																											
		<u>10</u>																													

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Relinquished By: <u>[Signature]</u>		Date: <u>12-12-21</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Time: <u>14:57</u>		Received By: <u>[Signature]</u>		All Results are emailed. Please provide Email address:	
Date: _____		Time: _____		Date: _____		REMARKS: <u>Howden &amp; Strater resources LLC. Corn</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>0.02</u>		Sample Condition		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>0.02</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <u>[Signature]</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	
						Thermometer ID #140	
						Correction Factor -0.6°C	

FORM-006 R 3.3 08/05/24

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Tiger Energy Oilfield Services <b>Project Manager:</b> Lynn Acosta <b>Address:</b> 5506 Mountain View Dr <b>City:</b> Snyder <b>State:</b> TX <b>Zip:</b> 79549 <b>Phone #:</b> 432-894-2967 <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> Lotus SWD <b>Project Location:</b> <b>Sampler Name:</b>				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Tiger Energy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME												
11	SP #11 C1					X							12-1-24													
12	SP 12 C1																									
13	SP 13 CSUR																									
14	SP 14 C5																									
15	SP 15 C1																									
16	SP 16 C1																									
17	SP 17 C3																									
18	SP 18 C1																									
19	SP 19 C3																									
20	SP 20 C1																									

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<b>Relinquished By:</b>  <b>Date:</b> 12-1-24 <b>Time:</b> 1457		<b>Received By:</b>  <b>Date:</b> <b>Time:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b> Hayden@straterresourcesllc.com <b>REMARKS:</b> Please total TPH	
<b>Relinquished By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Bacteria (only) Sample Condition:</b> Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C:</b> 000 <b>Corrected Temp. °C:</b> -000		<b>Sample Condition:</b> Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
<b>Checked By: (Initials)</b> 		<b>Thermometer ID #140</b> <b>Correction Factor -0.6°C</b>			

FORM-006 R 3.3 06/03/24

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> <i>Tiger Energy Oilfield Services</i> <b>Project Manager:</b> <i>Lynn Acosta</i> <b>Address:</b> <i>5506 Mountain View Dr</i> <b>City:</b> <i>Snyder</i> <b>State:</b> <i>TX</i> <b>Zip:</b> <i>79549</i> <b>Phone #:</b> <i>432-894-2967</i> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> <i>Lotus SWD</i> <b>Project Location:</b> <b>Sampler Name:</b>				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <i>Tiger Energy</i> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE	OTHER:	DATE	TIME													
<i>H247543</i>													<i>12-11</i>	<i>4:52</i>													
<i>21</i>	<i>SP# 21 0 5</i>																										
<i>22</i>	<i>SP# 22 0 5</i>																										
<i>23</i>	<i>SP# 23 0 1</i>																										
<i>24</i>	<i>SP# 24 0 5</i>																										
<i>25</i>	<i>SP# 25 0 5</i>																										
<i>26</i>	<i>SP# 26 0 1</i>																										
<i>27</i>	<i>SP# 27 0 5</i>																										

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<b>Relinquished By:</b> <i>Mika Be</i> <b>Relinquished By:</b>		<b>Date:</b> <i>12-12-24</i> <b>Time:</b> <i>14:57</i> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <i>Infamous</i> <b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b> <i>Hayden@straterraresourcesllc.com</i>	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> <i>0.02</i> <b>Corrected Temp. °C</b> <i>-0.02</i>		<b>Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) <i>KP</i>	
<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		<b>Thermometer ID</b> #140 <b>Correction Factor</b> -0.6°C		<b>Bacteria (only) Sample Condition</b> Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C		<b>REMARKS:</b> <i>Please total TPH</i>	

FORM-000 R 3.3 06/03/24

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January 28, 2025

LYNN ACOSTA

TIGER ENERGY OILFIELD SERVICES

5506 MOUNTAIN VIEW DR.

SNYDER, TX 79549

RE: LOTUS SWD

Enclosed are the results of analyses for samples received by the laboratory on 01/22/25 11:55.

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).

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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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #1 @ 8' (H250384-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/24/2025	ND	416	104	400	0.00		

**Sample ID: SP #3 @ 8' (H250384-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/24/2025	ND	416	104	400	0.00		

**Sample ID: SP #4 @ 10' (H250384-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51		

**Sample ID: SP #22 @ 10' (H250384-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51	

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #23 @ 8' (H250384-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/24/2025	ND	464	116	400	3.51	

**Sample ID: SP #24 @ 10' (H250384-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51	

**Sample ID: SP #25 @ 8' (H250384-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51		

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #26 @ 10' (H250384-08)**

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	01/23/2025	ND	1.74	86.8	2.00	12.4	
Toluene*	<0.050	0.050	01/23/2025	ND	1.86	93.1	2.00	13.5	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.81	90.6	2.00	14.5	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.30	88.4	6.00	15.0	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51	

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	01/23/2025	ND	210	105	200	0.793	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	206	103	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #27 @ 8' (H250384-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/24/2025	ND	464	116	400	3.51	

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #28 @ SURFACE (H250384-10)**

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	01/23/2025	ND	1.74	86.8	2.00	12.4		
Toluene*	<0.050	0.050	01/23/2025	ND	1.86	93.1	2.00	13.5		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.81	90.6	2.00	14.5		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.30	88.4	6.00	15.0		
Total BTEX	<0.300	0.300	01/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51		

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	01/23/2025	ND	210	105	200	0.793	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	206	103	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #29 @ SURFACE (H250384-11)**

BTX 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	01/23/2025	ND	1.93	96.7	2.00	15.3	
Toluene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	15.5	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.08	104	2.00	15.9	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.33	105	6.00	15.1	
Total BTX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51	

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	01/23/2025	ND	210	105	200	0.793	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	206	103	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #30 @ SURFACE (H250384-12)**

BTX 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	01/23/2025	ND	1.93	96.7	2.00	15.3	
Toluene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	15.5	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.08	104	2.00	15.9	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.33	105	6.00	15.1	
Total BTX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/24/2025	ND	464	116	400	3.51	

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	01/23/2025	ND	210	105	200	0.793	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	206	103	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 01/22/2025  
 Reported: 01/28/2025  
 Project Name: LOTUS SWD  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 01/17/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SP #31 @ SURFACE (H250384-13)**

BTX 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	01/23/2025	ND	1.93	96.7	2.00	15.3		
Toluene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	15.5		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.08	104	2.00	15.9		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.33	105	6.00	15.1		
Total BTX	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/24/2025	ND	464	116	400	3.51		

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	01/23/2025	ND	210	105	200	0.793	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	206	103	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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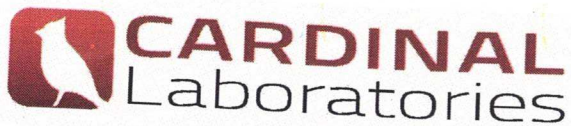
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

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: <u>Tiger Energy Oilfield Service</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																					
Project Manager: <u>Lynn Acosta</u>		P.O. #:		<u>BETA</u> <u>TPH 8015 Gro, Dro, MPO</u> <u>Chloride</u>																					
Address: <u>5506 Mountain View Dr</u>		Company:																							
City: <u>Snyder</u> State: <u>TX</u> Zip: <u>79549</u>		Attn:																							
Phone #: <u>432-894-2967</u> Fax #:		Address:																							
Project #:		City:																							
Project Name: <u>Lotus SWD</u>		State: Zip:																							
Project Location:		Phone #:																							
Sampler Name:		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
<u>H250384</u>	<u>SP #1 @ 8'</u>					X				X			<u>1-17-25</u>	<u>0800</u>											
<u>2</u>	<u>SP #3 @ 8'</u>					X				X			<u>1-17-25</u>	<u>0810</u>											
<u>3</u>	<u>SP #4 @ 10'</u>					X				X			<u>1-17-25</u>	<u>0820</u>											
<u>4</u>	<u>SP #22 @ 10'</u>					X				X			<u>1-17-25</u>	<u>0830</u>											
<u>5</u>	<u>SP #23 @ 8'</u>					X				X			<u>1-17-25</u>	<u>0840</u>											
<u>6</u>	<u>SP #24 @ 10'</u>					X				X			<u>1-17-25</u>	<u>0850</u>											
<u>7</u>	<u>SP #25 @ 8'</u>					X				X			<u>1-17-25</u>	<u>0900</u>											
<u>8</u>	<u>SP #26 @ 10'</u>					X				X			<u>1-17-25</u>	<u>0910</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>9</u>	<u>SP #27 @ 8'</u>					X				X			<u>1-17-25</u>	<u>0920</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>10</u>	<u>SP #28 @ Surface</u>					X				X			<u>1-17-25</u>	<u>0930</u>	<u>X</u>	<u>X</u>	<u>X</u>								

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Relinquished By: <u>[Signature]</u>	Date: <u>1-22-25</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <u>[Signature]</u>	Time: <u>11:55</u>	Received By: <u>[Signature]</u>	All Results are emailed. Please provide Email address:
	Date:		<u>Lynn@strataresources.com</u>
	Time:		REMARKS:
			<u>Please total TPH</u>

Delivered By: (Circle One)	Observed Temp. °C <u>33.2</u>	Sample Condition	CHECKED BY: (Initials) <u>[Signature]</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>27.4</u>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #140 Correction Factor -0.6°C	Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
					Observed Temp. °C Corrected Temp. °C

FORM-000 R 5.3 06/03/24

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



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager:				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 805 600, 600, 600</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>															
Address:				Company:																			
City:		State:		Zip:		Attn:																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner:		City:																			
Project Name: Lotus SWD				State:																Zip:			
Project Location:				Phone #:																			
Sampler Name:				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING									
								GROUNDWATER				ACID/BASE:		DATE									
								WASTEWATER				ICE / COOL		TIME									
								SOIL				OTHER:											
								OIL															
								SLUDGE															
								OTHER:															
H250384																							
11		SP #29 @ Surface										X		1-17-25 0940									
12		SP #30 @ Surface										X		1-17-25 0950									
13		SP #31 @ Surface										X		1-17-25 1000									

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Relinquished By:		Date: 1-22-25		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 11:55		Time: 11:55		Signature: [Signature]		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:						Cont	
Delivered By: (Circle One)		Observed Temp. °C 3.3		Sample Condition		Turnaround Time: Standard	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 2.7		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Rush <input checked="" type="checkbox"/>	
FORM-006 R 3.3 06/03/24				CHECKED BY: (Initials) AD		Thermometer ID #140	
						Correction Factor -0.6°C	
						Bacteria (only) Sample Condition	
						Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> Yes	
						<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

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



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

March 19, 2025

LYNN ACOSTA

TIGER ENERGY OILFIELD SERVICES

5506 MOUNTAIN VIEW DR.

SNYDER, TX 79549

RE: LOTUS SWD #3

Enclosed are the results of analyses for samples received by the laboratory on 03/13/25 15:21.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 1 (H251517-01)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 2 (H251517-02)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 3 (H251517-03)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 4 (H251517-04)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 5 (H251517-05)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.9 % 40.6-153

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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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 6 (H251517-06)**

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	03/15/2025	ND	2.10	105	2.00	1.88		
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37		
Total BTEx	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 7 (H251517-07)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/14/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 8 (H251517-08)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 9 (H251517-09)**

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	03/15/2025	ND	2.10	105	2.00	1.88		
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37		
Total BTEx	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.4 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 10 (H251517-10)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 11 (H251517-11)**

BTX 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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 12 (H251517-12)**

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	03/15/2025	ND	2.10	105	2.00	1.88	
Toluene*	<0.050	0.050	03/15/2025	ND	2.16	108	2.00	0.383	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.35	117	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	7.21	120	6.00	2.37	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 13 (H251517-13)**

BTX 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	03/15/2025	ND	1.86	93.2	2.00	6.62	QM-07	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTX	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 14 (H251517-14)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	400	100	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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.7 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 15 (H251517-15)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTEx	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 16 (H251517-16)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 17 (H251517-17)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEx	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 18 (H251517-18)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTEx	<0.300	0.300	03/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/15/2025	ND	228	114	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	218	109	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 19 (H251517-19)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 20 (H251517-20)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEx	<0.300	0.300	03/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.6 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 21 (H251517-21)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 22 (H251517-22)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTEx	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.3 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 23 (H251517-23)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTEx	<0.300	0.300	03/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 24 (H251517-24)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEx	<0.300	0.300	03/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CBS 25 (H251517-25)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTEX	<0.300	0.300	03/15/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.5 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 1 (H251517-26)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTEx	<0.300	0.300	03/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 2 (H251517-27)**

BTX 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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTX	<0.300	0.300	03/15/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/14/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.1 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 3 (H251517-28)**

BTX 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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTX	<0.300	0.300	03/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 4 (H251517-29)**

BTX 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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.5 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 5 (H251517-30)**

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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTEx	<0.300	0.300	03/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 6 (H251517-31)**

BTX 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	03/15/2025	ND	1.86	93.2	2.00	6.62		
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9		
Total BTX	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.1 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 7 (H251517-32)**

BTX 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	03/15/2025	ND	1.86	93.2	2.00	6.62	
Toluene*	<0.050	0.050	03/15/2025	ND	1.95	97.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.15	108	2.00	10.4	
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.59	110	6.00	11.9	
Total BTX	<0.300	0.300	03/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 8 (H251517-33)**

BTX 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	03/14/2025	ND	1.89	94.4	2.00	8.44	
Toluene*	<0.050	0.050	03/14/2025	ND	1.96	98.1	2.00	4.70	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.09	105	2.00	4.98	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	6.07	101	6.00	6.42	
Total BTX	<0.300	0.300	03/14/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2025	ND	416	104	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 9 (H251517-34)**

BTX 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	03/14/2025	ND	1.89	94.4	2.00	8.44	
Toluene*	<0.050	0.050	03/14/2025	ND	1.96	98.1	2.00	4.70	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.09	105	2.00	4.98	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	6.07	101	6.00	6.42	
Total BTX	<0.300	0.300	03/14/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2025	ND	416	104	400	3.77	

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.2 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 10 (H251517-35)**

BTX 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	03/14/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/14/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	6.07	101	6.00	6.42		
Total BTX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 11 (H251517-36)**

BTX 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	03/14/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/14/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	6.07	101	6.00	6.42		
Total BTX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 12 (H251517-37)**

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	03/14/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/14/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	6.07	101	6.00	6.42		
Total BTEx	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 13 (H251517-38)**

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	03/14/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/14/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	6.07	101	6.00	6.42		
Total BTEX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/15/2025	ND	230	115	200	0.150	
DRO >C10-C28*	<10.0	10.0	03/15/2025	ND	217	109	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	03/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 14 (H251517-39)**

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	03/15/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/15/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.07	101	6.00	6.42		
Total BTEx	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/16/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/16/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/16/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.4 % 40.6-153

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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CSW 15 (H251517-40)**

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	03/15/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/15/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.07	101	6.00	6.42		
Total BTEx	<0.300	0.300	03/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/16/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/16/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/16/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TIGER ENERGY OILFIELD SERVICES  
 LYNN ACOSTA  
 5506 MOUNTAIN VIEW DR.  
 SNYDER TX, 79549  
 Fax To:

Received: 03/13/2025  
 Reported: 03/19/2025  
 Project Name: LOTUS SWD #3  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BACKFILL (H251517-41)**

BTX 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	03/15/2025	ND	1.89	94.4	2.00	8.44		
Toluene*	<0.050	0.050	03/15/2025	ND	1.96	98.1	2.00	4.70		
Ethylbenzene*	<0.050	0.050	03/15/2025	ND	2.09	105	2.00	4.98		
Total Xylenes*	<0.150	0.150	03/15/2025	ND	6.07	101	6.00	6.42		
Total BTX	<0.300	0.300	03/15/2025	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	<16.0	16.0	03/17/2025	ND	432	108	400	3.77		

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	03/16/2025	ND	195	97.6	200	0.332	
DRO >C10-C28*	<10.0	10.0	03/16/2025	ND	192	96.0	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	03/16/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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---

### Notes and Definitions

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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A handwritten signature in black ink, appearing to read "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: Tiger Energy Oilfield Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: Lynn Acosta				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Btex</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH, 8015D, GRO, DRO, MRO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>																	
Address: 5506 Mountain View Dr				Company: Tiger Energy																					
City: Snyder		State: TX Zip: 79549		Attn:																					
Phone #:		Fax #:		Address:																					
Project #:		Project Owner:		City:																					
Project Name: Lotus SWD #3				State: Zip:																					
Project Location:				Phone #:																					
Sampler Name:				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING													
								GROUNDWATER																	
								WASTEWATER																	
								SOIL																	
								OIL																	
								SLUDGE																	
								OTHER:																	
								ACID/BASE:																	
								(ICE) COOL																	
								OTHER:																	
										DATE		TIME													
H85K517		CBS 1		X																					
2		CBS 2		X						3-13-25		800													
3		CBS 3								3-13-25		805													
4		CBS 4										810													
5		CBS 5										815													
6		CBS 6										820													
7		CBS 7										825													
8		CBS 8										830													
9		CBS 9										835													
10		CBS 10										840													
												845													

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Relinquished By:		Date: 3-13-25		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1:28		Time:		Time:		All Results are emailed. Please provide Email address: Hayden@StrataresourcesLLC.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		Pleas Total TPH!	

Delivered By: (Circle One)		Observed Temp. °C 44.2		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) AD		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 4.72						Thermometer ID #443 #140		Observed Temp. °C	
								Correction Factor 0.5°C		Corrected Temp. °C	



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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tiger Energy Oilfield Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Lynn Acosta				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Btex</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH, 8015D, GRO, DRO, MRO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>																					
Address: 5506 Mountain View Dr				Company: Tiger Energy																									
City: Snyder		State: TX Zip: 79549		Attn:																									
Phone #:		Fax #:		Address:																									
Project #:		Project Owner:		City:																									
Project Name: Lotus SWD #3				State: Zip:																									
Project Location:				Phone #:																									
Sampler Name:				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		G/RAB OR COMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
								GROUNDWATER																					
								WASTEWATER																					
								SOIL																					
								OIL																					
								SLUDGE																					
								OTHER:																					
								ACID/BASE:																					
								ICE/COOL																					
								OTHER:																					
												DATE		TIME															
H2S1517				X										3-13-25		850		X X X											
11		CBS 11														855													
12		CBS 12														900													
13		CBS 13														905													
14		CBS 14														910													
15		CBS 15														915													
16		CBS 16														920													
17		CBS 17														925													
18		CBS 18														930													
19		CBS 19														935													
20		CBS 20																											

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Relinquished By:		Date: 3-13-25		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1521				Time:		All Results are emailed. Please provide Email address: Hayden@StrataresourcesLLC.com	
Relinquished By:		Date:		Received By:		REMARKS: Arrowlogisticsnm@gmail.com	
Time:						Pleas Total TPH!	
Delivered By: (Circle One)		Observed Temp. °C 44.2		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 47.2				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Thermometer ID #449#140	
						Correction Factor 2.5°C + 0.3°C	
						Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tiger Energy Oilfield Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Lynn Acosta				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Btex</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH, 8015D, GRO, DRO, MRO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>																			
Address: 5506 Mountain View Dr				Company: Tiger Energy																							
City: Snyder State: TX Zip: 79549				Attn:																							
Phone #: Fax #:				Address:																							
Project #: Project Owner:				City:																							
Project Name: Lotus SWD #3				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR COMP.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME													
4251517		X				X							3-28	940	X	X	X										
21	CBS 21													945													
22	CBS 22													950													
23	CBS 23													955													
24	CBS 24													1000													
25	CBS 25													1005													
26	CSW 1													1010													
27	CSW 2													1020													
28	CSW 3													1025													
29	CSW 4													1030													
30	CSW 5																										

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Relinquished By:	Date: 3-25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 1521		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	Hayden@StrataresourcesLLC.com
	Time:		Arrowlogisticsnm@gmail.com
REMARKS:			Pleas Total TPH!
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	
	4.4	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	4.7	<input type="checkbox"/> No <input type="checkbox"/> No	
Turnaround Time:	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition	
Thermometer ID: #113		Cool Intact	Observed Temp. °C
Correction Factor: +0.3		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> No <input type="checkbox"/> No	Corrected Temp. °C

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tiger Energy Oilfield Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: Lynn Acosta				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Btex</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH ,8015D,GRO,DRO,MRO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>																	
Address: 5506 Mountain View Dr				Company: Tiger Energy																					
City: Snyder		State: TX Zip: 79549		Attn:																					
Phone #:		Fax #:		Address:																					
Project #:		Project Owner:		City:																					
Project Name: Lotus SWD #3				State: Zip:																					
Project Location:				Phone #:																					
Sampler Name:				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING															
						GROUNDWATER																			
						WASTEWATER																			
						SOIL																			
						OIL																			
						SLUDGE																			
						OTHER:																			
						ACID/BASE:																			
						ICE/COOL																			
						OTHER:																			
										DATE		TIME													
125157																									
31		CSW 6		X								3/3/25		1035		X X X									
32		CSW 7												1040											
33		CSW 8												1045											
34		CSW 9												1050											
35		CSW 10												1055											
36		CSW 11												1100											
37		CSW 12												1105											
38		CSW 13												1110											
39		CSW 14												1115											
40		CSW 15												1120											

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Relinquished By:		Date: 3/18/25		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1:52						All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		Hayden@StrataresourcesLLC.com	
Time:						Arrowlogisticsnm@gmail.com	
						REMARKS:	
						Pleas Total TPH!	
Delivered By: (Circle One)		Observed Temp. °C 4.42		Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 4.72		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #413	
				CHECKED BY: (Initials) AD		Correction Factor +0.5°C +0.32	
						Bacteria (only) Sample Condition	
						Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tiger Energy Oilfield Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager: Lynn Acosta				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH, 8015D, GRO, DRO, MRO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>														
Address: 5506 Mountain View Dr				Company: Tiger Energy																		
City: Snyder State: TX Zip: 79549				Attn:																		
Phone #: Fax #:				Address:																		
Project #: Project Owner:				City:																		
Project Name: Lotus SWD #3				State: Zip:																		
Project Location:				Phone #:																		
Sampler Name:				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(GRAB OR COMPO.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME								
4851517	Backfill	X				X							3/13/25	11:30	2 2 a							

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Relinquished By:		Date: 3/13/25	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 7:52			All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		Hayden@StrataresourcesLLC.com	
		Time:			Arrowlogisticsnm@gmail.com	
Delivered By: (Circle One)		Observed Temp. °C: 44.2	Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 4.72	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) Sample Condition	
			CHECKED BY: (Initials)		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
					Thermometer ID #1134 NO	
					Correction Factor -0.5°C to -0.3°C	
					Observed Temp. °C	
					Corrected Temp. °C	

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## **APPENDIX D: NOTIFICATION OF SAMPLING**

OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	440673	Districts:	Hobbs
Operator:	[308339] OWL SWD OPERATING, LLC	Counties:	Lea
Description:	OWL SWD OPERATING, LLC [308339] , LOTUS #1 SWD , nAPP2110953917		
Status:	APPROVED		
Status Date:	03/10/2025		
References (2):	30-025-36004, nAPP2110953917		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2110953917
Incident Name	NAPP2110953917 LOTUS #1 SWD @ 30-025-36004
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-36004] LOTUS SWD #001

Location of Release Source

Site Name	LOTUS #1 SWD
Date Release Discovered	04/14/2021
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	8,000
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Mike Burton (575)499-5306
Please provide any information necessary for navigation to sampling site	Lat/Long: 32.35341, -103.69041

Comments

No comments found for this submission.

Conditions

**Summary:**                      scowden01 (3/10/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

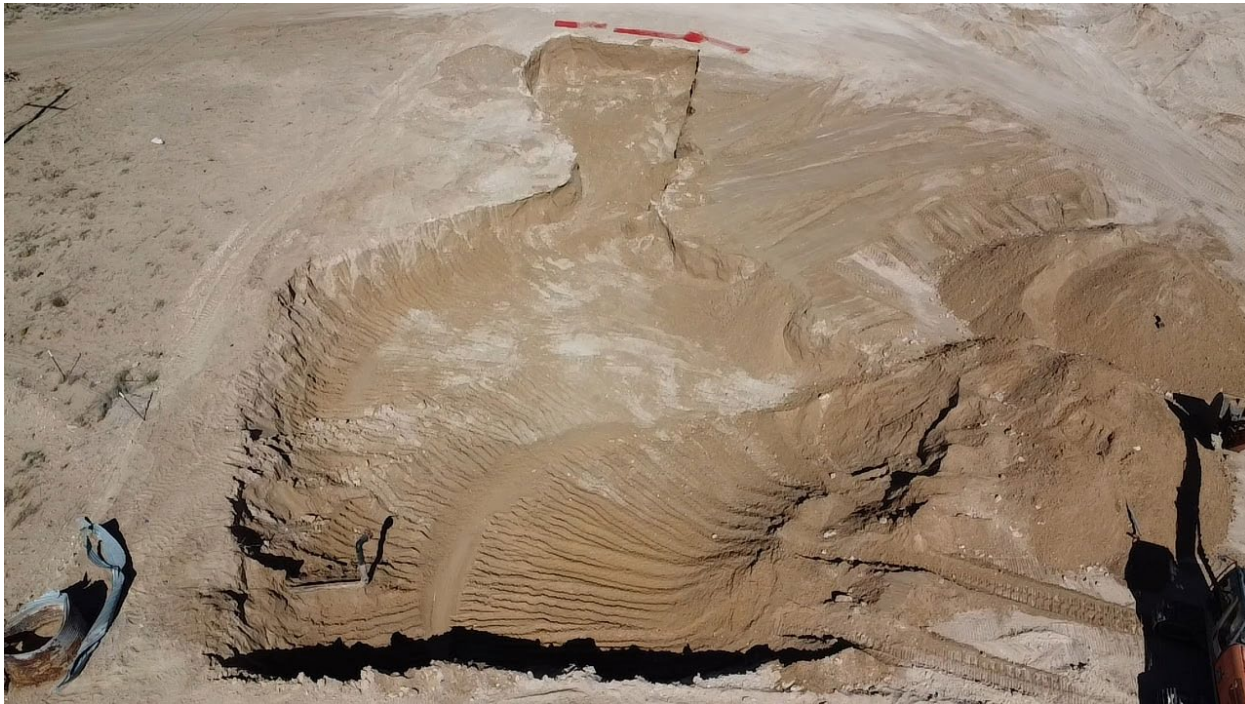
No reasons found for this submission.

Go Back



## APPENDIX E: PHOTO LOG

# Lotus SWD #001 (nAPP2110953917) Excavation, Backfill & Reclamation Photolog



# Lotus SWD #001 (nAPP2110953917) Excavation, Backfill & Reclamation Photolog



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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 457279

**QUESTIONS**

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 457279
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2110953917
Incident Name	NAPP2110953917 LOTUS #1 SWD @ 30-025-36004
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-36004] LOTUS SWD #001

**Location of Release Source**

Please answer all the questions in this group.

Site Name	LOTUS #1 SWD
Date Release Discovered	04/14/2021
Surface Owner	Private

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

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.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 20 BBL   Recovered: 0 BBL   Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

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Action 457279

**QUESTIONS (continued)**

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**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>
<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.</i>	

**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	<b>All actions have occurred</b>

*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: SHELLY COWDEN Title: NM Regulatory Manager Email: shelly.cowden@pilotwater.com Date: 02/19/2025
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Action 457279

**QUESTIONS (continued)**

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**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 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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)	Between 1 and 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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 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	Between 1 and 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)	1730
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4599
GRO+DRO (EPA SW-846 Method 8015M)	4599
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
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	02/07/2025
On what date will (or did) the final sampling or liner inspection occur	02/14/2025
On what date will (or was) the remediation complete(d)	02/14/2025
What is the estimated surface area (in square feet) that will be reclaimed	4849
What is the estimated volume (in cubic yards) that will be reclaimed	1570
What is the estimated surface area (in square feet) that will be remediated	4849
What is the estimated volume (in cubic yards) that will be remediated	1570
<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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Action 457279

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Remediation Plan (continued)</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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<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	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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>	
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: SHELLY COWDEN Title: NM Regulatory Manager Email: shelly.cowden@pilotwater.com Date: 02/19/2025
<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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Action 457279

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 457279

**QUESTIONS (continued)**

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**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	440673
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	8000

**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	4849
What was the total volume (cubic yards) remediated	1570
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	4849
What was the total volume (in cubic yards) reclaimed	1570
Summarize any additional remediation activities not included by answers (above)	None

*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: SHELLY COWDEN Title: NM Regulatory Manager Email: shelly.cowden@pilotwater.com Date: 04/30/2025
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Action 457279

**QUESTIONS (continued)**

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**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	Yes
What was the total reclamation surface area (in square feet) for this site	4849
What was the total volume of replacement material (in cubic yards) for this site	1570
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/22/2025
Summarize any additional reclamation activities not included by answers (above)	None
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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: SHELLY COWDEN Title: NM Regulatory Manager Email: shelly.cowden@pilotwater.com Date: 04/30/2025

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QUESTIONS (continued)

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	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 457279

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/1/2025