

\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill: SEMU 106 (32.80122, -103.695246)

Date of Spill: 12/15/2022

Site Soil Type: PY — Pyote soils and Dune land

MN — Ratliff-Wink fine sandy loams

Estimated Daily Production Loss: 0 BBL Oil 10 BBL Water

Total Area Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	40.0 ft	X	275.0 ft	X	0.4 in	0%
Rectangle Area #2	ft	X	ft	X	in	0%
Rectangle Area #3	ft	X	ft	X	in	0%
Rectangle Area #4	ft	X	ft	X	in	0%
Rectangle Area #5	ft	X	ft	X	in	0%
Rectangle Area #6	ft	X	ft	X	in	0%
Rectangle Area #7	ft	X	ft	X	in	0%
Rectangle Area #8	ft	X	ft	X	in	0%

Porosity 0.160 gal per gal

Saturated Soil Volume Calculations:

Area #1

11,000 sq. ft.

358 cu. ft.

cu. ft.

Area #2

0 sq. ft.

cu. ft.

cu. ft.

Area #3

0 sq. ft.

cu. ft.

cu. ft.

Area #4

0 sq. ft.

cu. ft.

cu. ft.

Area #5

0 sq. ft.

cu. ft.

cu. ft.

Area #6

0 sq. ft.

cu. ft.

cu. ft.

Area #7

0 sq. ft.

cu. ft.

cu. ft.

Area #8

0 sq. ft.

cu. ft.

cu. ft.

Total Solid/Liquid Volume:

11,000 sq. ft.

358 cu. ft.

cu. ft.

Estimated Volumes Spilled

Liquid in Soil:

10.2 BBL

0.0 BBL

Liquid Recovered :

0.0 BBL

0.0 BBL

Spill Liquid

10.2 BBL

0.0 BBL

Total Spill Liquid:

10.2

Recovered Volumes

Estimated oil recovered:

0.0 BBL

Estimated water recovered:

0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

# Trinity Oilfield Services & Rentals, LLC



January 10<sup>th</sup>, 2025

Oil Conservation Division, District I  
1625 N. French Drive  
Hobbs, NM 88240

Re: **Remediation Closure Request**  
**SEMU 106**  
**Tracking #: NAPP2235337608**

Trinity Oilfield Services (Trinity), on behalf of Cross Timbers Energy, LLC, hereby submits the following Remediation Closure Request in response to a release that occurred at the above-referenced location, and further described below.

Site Information	
Incident ID	NAPP2235337608
Site Name	SEMU 106
Well API	30-025-33353
Company	Cross Timbers Energy, LLC
Contact Name	Samanntha Avarello
Contact Email	SAVARELLO@TXOPARTNERS.COM
Contact Telephone	817-334-7747
County	Lea
ULSTR	P-30-17S-33E
GPS Coordinates (NAD 83)	32.80122,-103.695246
Landowner	Private

## RELEASE BACKGROUND

On 12/19/2022, Cross Timbers Energy, LLC reported a release at the SEMU 106. The release was caused when copper thieves pulled existing line out of ground, wrapped it around injection well surface equipment and broke nipple. Approximately 10,881 sqft. of the Pad and Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	12/15/2022
Type of Release	Produced Water
Source of Release	Vandalism
Volume Released – Produced Water	10 bbls
Volume Recovered – Produced Water	0 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pad and Pasture - Approximately 10,881 sqft.
Site Location Map	Attached

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

### Depth to Groundwater/Wellhead Protection:

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	RA-13517 POD 1	12/02/2024	92'

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a  $\frac{1}{2}$  mile of the release site. The search revealed that one (1) well occurred in the databases that meet the NMOCD criteria for the age of data, the distance of the data point well from the release point, and a data point well having a diagram of construction.

#### General Site Characterization:

Site Assessment	
Karst Potential	Low
Distance to Watercourse	> 1,000 ft.
Within 100 yr Floodplain	No
Pasture Impact	Yes

A risk-based site assessment/characterization was performed following the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). To summarize the site assessment/characterization evaluation, the affected area has Low potential for cave and karst, and no other receptors (residence, school, hospital, institution, church, mining, municipal, or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

#### Closure Criteria:

On-Site & Off-Site 4ft bgs   Recommended Remedial Action Levels (RRALs)	
Chlorides	10,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
TPH (GRO and DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

A reclamation standard of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top four feet of the pasture area if impacted by the release, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation.

### INITIAL ASSESSMENT AND REMEDIATION ACTIVITIES

#### Initial Sample Activities:

Delineation Summary	
Delineation Dates	03/01/2023
Depths Sampled	0' - 2'
Delineation Map	Attached
Laboratory Results	Table 1

All soil samples were placed into laboratory-supplied glassware, labeled, and maintained on ice until delivery to an NMOCD-approved laboratory (Cardinal Laboratories of Hobbs, NM) for the analysis of chloride using Method SM4500 Cl-B, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8021 B and Total Petroleum Hydrocarbon (TPH) constituents the by EPA 8015M.

**Confirmation Activities:**

<b>Remediation Summary</b>	
Remediation Dates	05/17/2023 – 09/22/2023
Workplan Approval	05/08/2023
Liner Variance Request	None
Deferral Request	None
Depths Excavated	0' - 5'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	400 sqft.
Total Volume of Excavated Soil	395 yards
Remediation Map	Attached
Laboratory Results	Table 2

Impacted soil within the release margins was excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls were advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 400 sqft. of the excavated area) were collected from the floor and sidewalls.

Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria, the impacted soil was transported under manifest to an NMOCD-approved disposal facility and the excavated area was backfilled with locally sourced, non-impacted "like" material.

**SITE RECLAMATION AND RESTORATION**

Areas affected by the release and the associated remediation activities will be restored to a condition that existed before the release to the extent practicable. The affected area will be contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow.

Affected areas not on production pads and/or lease roads will be reseeded with a prescribed BLM, NMSLO, and/or Private Landowner requested seed mixture during the first favorable growing season following the closure of the site by the applicable regulatory agency.

Final reclamation of the well pad shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.

**REQUEST FOR CONFIRMATION SAMPLE NOTIFICATION VARIANCE**

Trinity, on behalf of Cross Timbers Energy, LLC, kindly requests a variance per the requirements of 19.15.29.12D.(1)(a). A proper two-day notice was not dispatched at the designated time. Laboratory data is within closure criteria limits and the current condition of the release does not cause an imminent risk to human health, the environment, or groundwater.

Upon remediation closure request approval, the excavation will be reclaimed in accordance with 19.15.29.13 NMAC. Correspondence with Mike Bratcher detailing the addressed variance request and commitment to compliance is attached for reference.



**REQUEST FOR REMEDIATION CLOSURE APPROVAL**

Supporting Documentation	
Delineation and Remediation Maps	Attached
Depth to Groundwater Maps and Source	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC; therefore, Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant remediation closure approval for the referenced release.

Sincerely,



Dan Dunkelberg  
Project Manager



Cynthia Jordan  
Project Scientist

**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**CROSS TIMBERS ENERGY, LLC**  
**SEMU 106**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2235337608**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	Vertical/ Horizontal	Off-Site/ On-Site	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
<b>On-Site, &amp; Deeper than 4' Pasture</b>							<b>10000</b>	<b>2500</b>	<b>1000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>Delineation Special Circumstance, NMOCD Delineation Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>Vertical Delineation</b>														
SP-001-00.0-V-S	0	3/1/2023	Vertical	On-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-00.0-V-S	0	3/1/2023	Vertical	On-Site	Grab	Excavated	35,200.00	1,993.00	1,640.00	<10.0	1,640.00	353.00	<10.0	<10.0
SP-002-02.0-V-S	2	3/1/2023	Vertical	On-Site	Grab	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-00.0-V-S	0	3/1/2023	Vertical	On-Site	Grab	Excavated	2,080.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-01.0-V-S	1	3/1/2023	Vertical	On-Site	Grab	In-Situ	128.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-004-00.0-V-P	0	3/1/2023	Vertical	Off-Site	Grab	Excavated	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-004-01.0-V-P	1	3/1/2023	Vertical	Off-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-005-00.0-V-P	0	3/1/2023	Vertical	Off-Site	Grab	Excavated	176.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-005-01.0-V-P	1	3/1/2023	Vertical	Off-Site	Grab	In-Situ	160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-006-00.0-V-P	0	3/1/2023	Vertical	Off-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
<b>Horizontal Delineation</b>														
SP-001-01.0-HN-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-001-01.0-HS-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-001-01.0-HW-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-01.0-HE-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-01.0-HW-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-01.0-HE-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-01.0-HW-P	1	3/1/2023	Horizontal	Off-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-004-01.0-HE-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-004-01.0-HS-P	1	3/1/2023	Horizontal	Off-Site	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-004-01.0-HW-S	1	3/1/2023	Horizontal	On-Site	Grab	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-005-01.0-HE-P	1	3/1/2023	Horizontal	Off-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-005-01.0-HW-P	1	3/1/2023	Horizontal	Off-Site	Grab	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-006-01.0-HE-P	1	3/1/2023	Horizontal	Off-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-006-01.0-HS-P	1	3/1/2023	Horizontal	Off-Site	Grab	In-Situ	96.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**CROSS TIMBERS ENERGY, LLC**  
**SEMU 106**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2235337608**



SAMPLE LOCATION	SAMPLE DEPTH (ft BGS)	SAMPLE DATE	Floor/Wall	Off-Site/On-Site	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
<b>NMOCD Closure Limits Pad</b>							<b>10000</b>	<b>2500</b>	<b>1000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>NMOCD Closure Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>Remediation Floors</b>														
CF-001.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	Excavated	13400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-001.0-01.0-P	1	5/17/2023	Floor	Off-Site	Composite	Excavated	9000.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-001.0-02.0-P	2	5/17/2023	Floor	Off-Site	Composite	Excavated	8000.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-001.0-03.0-P	3	5/17/2023	Floor	Off-Site	Composite	Excavated	2720.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-001.0-04.0-P	4	5/17/2023	Floor	Off-Site	Composite	Excavated	2560.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-001.0-05.0-P	5	5/17/2023	Floor	Off-Site	Composite	In-Situ	6000.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	Excavated	34400.00	46	28.1	<10.0	28.1	17.9	<.300	<0.50
CF-003.0-01.0-P	1	5/17/2023	Floor	Off-Site	Composite	Excavated	4400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-02.0-P	2	5/17/2023	Floor	Off-Site	Composite	Excavated	5330.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-03.0-P	3	5/17/2023	Floor	Off-Site	Composite	Excavated	1520.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-04.0-P	4	5/17/2023	Floor	Off-Site	Composite	Excavated	1200.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-05.0-P	5	5/17/2023	Floor	Off-Site	Composite	In-Situ	592.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-004.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	Excavated	4480.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-04.0-P	4	7/25/2023	Floor	Off-Site	Composite	In-Situ	6960.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-006.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-007.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-008.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	Excavated	32000.00	2910	2200	<10.0	2200	710	<.300	<0.50
CF-008.0-01.0-P	1	5/17/2023	Floor	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-009.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	In-Situ	224.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-010.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-011.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	Excavated	62400.00	449	326	<10.0	326	123	<.300	<0.50
CF-011.0-01.0-P	1	5/17/2023	Floor	Off-Site	Composite	Excavated	10800.00	1450	1090	<10.0	1090	360	<.300	<0.50
CF-011.0-04.0-P	4	7/25/2023	Floor	Off-Site	Composite	In-Situ	2120.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-012.0-00.0-P	0	5/17/2023	Floor	Off-Site	Composite	Excavated	672.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-012.0-04.0-P	4	7/25/2023	Floor	Off-Site	Composite	In-Situ	2320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-013.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	608.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-014.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	352.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-015.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	1380.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-016.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-017.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-018.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	4400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-019.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	Excavated	26000.00	171.2	147	<10.0	147	24.2	<.300	<0.50
CF-019.0-01.0-S	1	5/17/2023	Floor	On-Site	Composite	In-Situ	1310.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-020.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	6080.00	36.9	26.7	<10.0	26.7	10.2	<.300	<0.50
CF-021.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	Excavated	10800.00	197.9	148	<10.0	148	49.9	<.300	<0.50

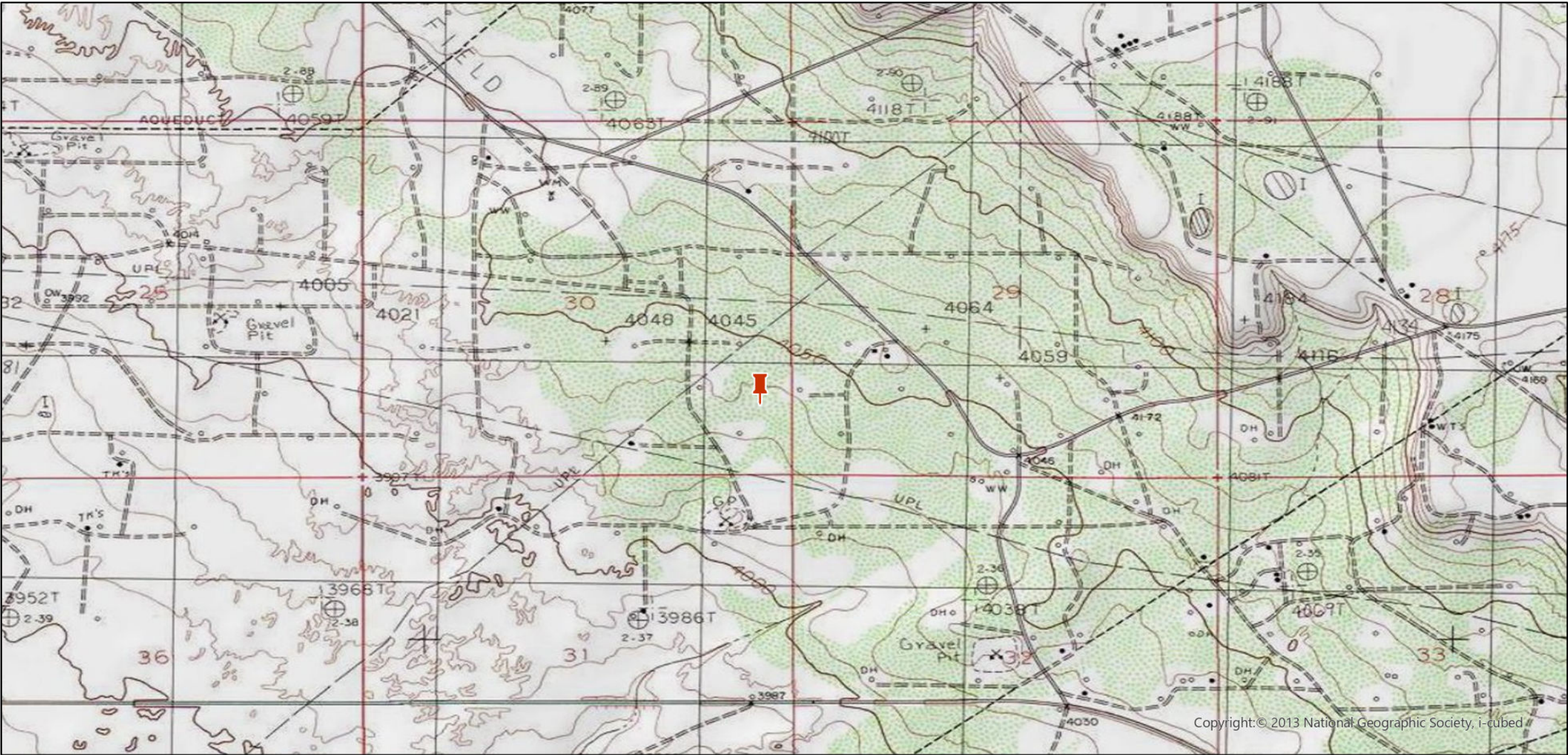
**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**CROSS TIMBERS ENERGY, LLC**  
**SEMU 106**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2235337608**



SAMPLE LOCATION	SAMPLE DEPTH (ft BGS)	SAMPLE DATE	Floor/ Wall	Off-Site/ On-Site	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
<b>NMOCD Closure Limits Pad</b>							<b>10000</b>	<b>2500</b>	<b>1000</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>NMOCD Closure Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
CF-021.0-00.3-S	0.3	7/25/2023	Floor	On-Site	Composite	In-Situ	6160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-022.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	Excavated	28800.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-022.0-01.0-S	1	5/17/2023	Floor	On-Site	Composite	In-Situ	3120.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-023.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	688.00	376	255	<10.0	255	121	<.300	<0.50
CF-024.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-025.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	Excavated	32800.00	33.9	33.9	<10.0	33.9	<10.0	<.300	<0.50
CF-025.0-01.0-S	1	5/17/2023	Floor	On-Site	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-026.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	Excavated	14000.00	1924	1530	<10.0	1530	394	<.300	<0.50
CF-026.0-00.3-S	0.3	7/25/2023	Floor	On-Site	Composite	In-Situ	352.00	23.6	23.6	<10.0	23.6	<10.0	<.300	<0.50
CF-027.0-00.0-S	0	5/17/2023	Floor	On-Site	Composite	In-Situ	240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
<b>Remediation Walls</b>														
CW-001.0-02.0-P	2	9/22/2023	Wall	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-002.0-01.0-P	1	9/22/2023	Wall	Off-Site	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-003.0-02.5-P	2.5	9/22/2023	Wall	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-004.0-02.5-P	2.5	9/22/2023	Wall	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-005.0-00.3-P	0.3	9/22/2023	Wall	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-006.0-00.3-P	0.3	9/22/2023	Wall	Off-Site	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-007.0-00.0-S	0	9/22/2023	Wall	On-Site	Composite	In-Situ	256.00	33.30	33.30	<10.0	33.30	<10.0	<.300	<0.50
CW-008.0-00.0-S	0	9/22/2023	Wall	On-Site	Composite	In-Situ	192.00	28.50	28.50	<10.0	28.50	<10.0	<.300	<0.50
CW-009.0-00.3-S	0.3	9/22/2023	Wall	On-Site	Composite	In-Situ	208.00	86.20	69.10	<10.0	69.10	17.10	<.300	<0.50

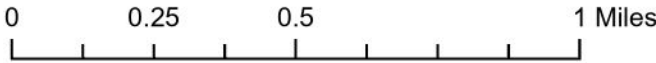




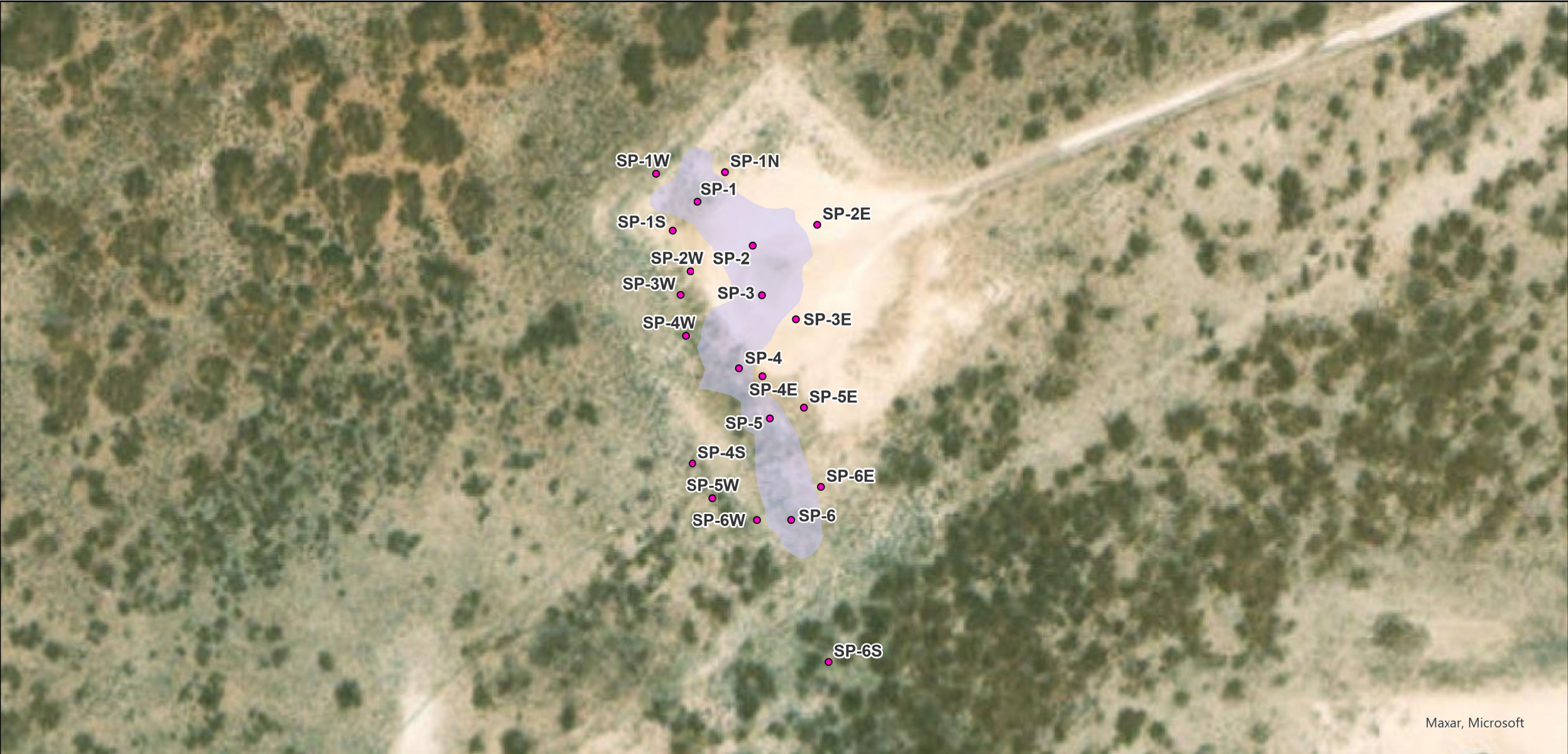
**Legend:**

 Site Location

**Site Location Map**  
**Cross Timbers Energy, LLC**  
**SEMU 106**  
**Lea County, New Mexico**  
**32.80122, -103.695246**  
**NMOCD Reference # NAPP2235337608**



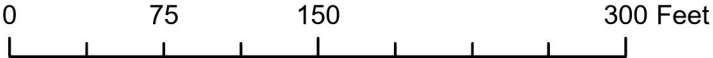




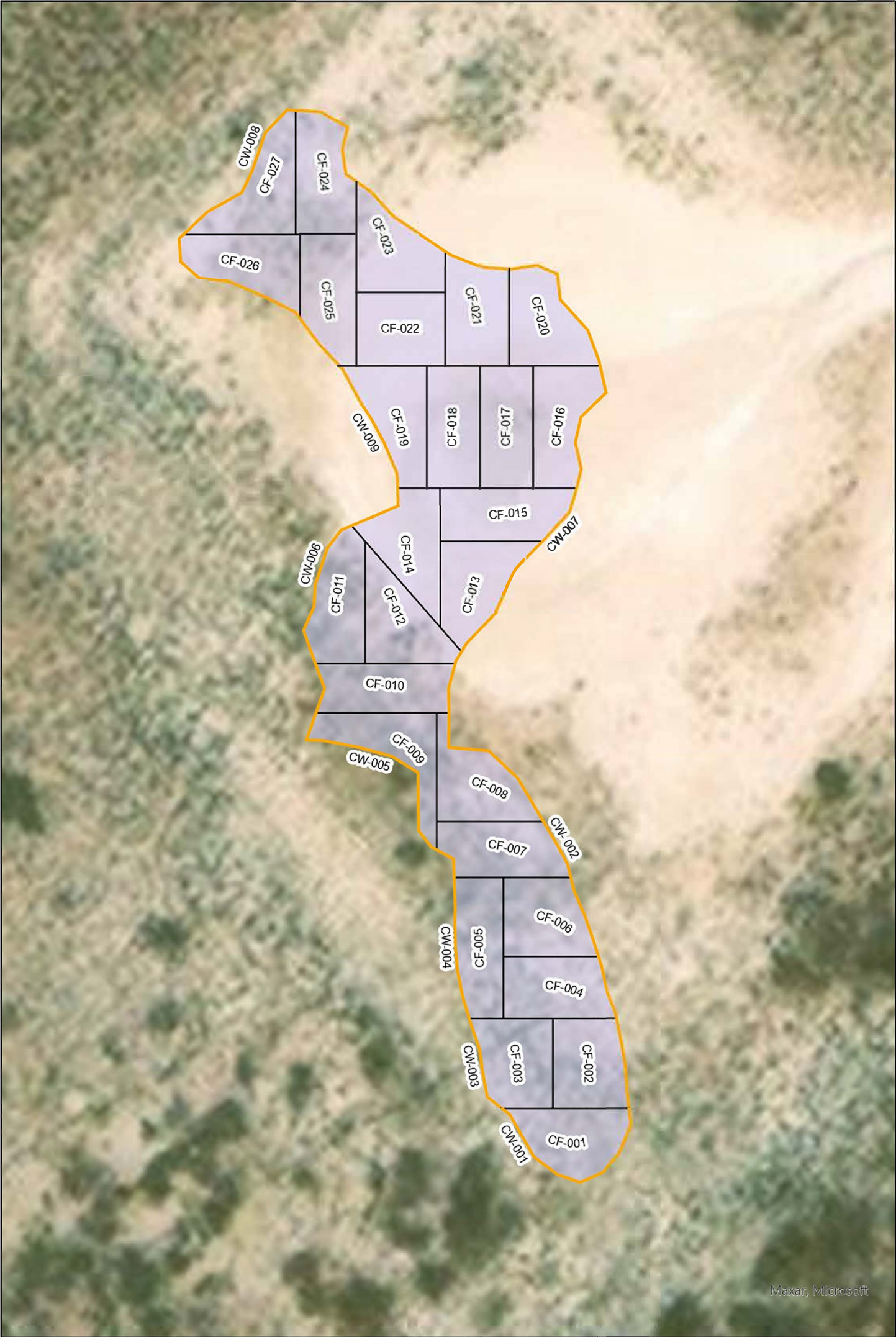
**Legend:**

- Sample Point
- Release Area

**Delineation Map**  
**Cross Timbers Energy, LLC**  
**SEMU 106**  
**32.80122,-103.695246**  
**Lea County, New Mexico**  
**NMOCD Reference # NAPP2235337608**







Maxar, Microsoft

**Legend:**

- Remediation Wall
- Remediation Floor
- Excavation Area

**Remediation Map**  
**OXY USA, Inc.**  
**Cross Timbers Energy, LLC**  
**SEMU 106**  
**32.80122, -103.695246**  
**Lea County, New Mexico**  
**NMOCD Reference #**  
**NAPP2235337608**

0 15 30 60 Feet





## Excavation

Pad:



Pad:







## Excavation

Pad:



Pasture:





## Excavation

Pasture:



Pasture:





## Excavation

Pasture:



Pasture:







## Excavation

Pasture:



Pasture:



From: Dan Dunkelberg  
To: Bratcher, Michael, EMNRD  
Cc: Wells, Shelly, EMNRD; Josh Halcomb; Cynthia Jordan  
Subject: RE: [EXTERNAL] Request for Final Variance and Commitment to Compliance Going Forward  
Date: Friday, March 15, 2024 3:40:00 PM

Yes Sir,  
Please see list below of all projects that have been completed:

Rejected	Submitted	Pending Submission
NOY1800840250 PROXIMITY 30 FEDERAL #003	NAPP2225849972 DR PI FEDERAL UNIT 17 8 DA #031H	NAPP2300549844 NVA 215
NAPP2310731906 SECTION 27 SWD TRANFER LINE	NVV2003456745 LOST TANK 33 FEDERAL #012	NDHR1917955649 NORTH VACUUM ABO UNIT 298
NAPP2235337608 SEMU 106 (will resubmit with soil bore)	NRM2000246798 CYPRESS 33 1 WELL BATTERY	NAPP2328254347 SOUTHEAST MALJAMAR GB/SA UNIT #105
	NAPP2208136392 PURE GOLD MDP1 29-17 FEDERAL COM #175H	NAPP2322333827 SEMGSAU 108
	NAB1928438660 PLATINUM MDP1 34 3 FEDERAL COM #175H	NAPP2234043341 CEDAR CANYON 28 4 CTB
	NAB1924833062 NEFF FEDERAL #002 FLOWLINE	NAPP2323446753 CEDAR CANYON 28 4 CTB
	NAPP2235631785 AMAX 24-8 BATTERY	NAPP2213835736 ROARING SPRINGS 13 FEDERAL #004
	NAB1732444101 FEDERAL 12 #014H	NAPP2134051416 RED TANK 27-28 OG
	NRM2023058280 VACUUM GLORIETTA WEST UNIT #27	NCE2002448579 STERLING SILVER 3 FEDERAL 6 CTB
	NAPP2219253256 VGWU PRODUCTION AND INJECTION SYSTEM BATTERY	NAPP2136350118 FEDERAL 26-1 H BATTERY
	NAPP2329041721 VACUUM GLORIETTA WEST UNIT BATTERY	NAPP2204047138 FRAC WATER PIT - TACO CAT 27-34 FED COM 24,25 & 26
		NRM1924248710 WBR FEDERAL 0001
		NRM1924158933 WBR FEDERAL 0005
		NAB1917133761 CEDAR CANYON 16 STATE #010H

We are committed to maintaining compliance with all ongoing projects as well as those initiated in the future. Thank you for your time and consideration.  
Sincerely,  
Dan Dunkelberg  
Environmental Regulatory Manager



Trinity Oilfield Services & Rentals, LLC  
Cell: (575) 602-2403

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
Sent: Tuesday, March 12, 2024 7:56 AM  
To: Dan Dunkelberg <dan@trinityoilfieldservices.com>  
Cc: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Josh Halcomb <josh@trinityoilfieldservices.com>; Cynthia Jordan <cynthia@trinityoilfieldservices.com>  
Subject: RE: [EXTERNAL] Request for Final Variance and Commitment to Compliance Going Forward

Dan,  
We will need a list of the incidents you are requesting a variance for.  
Thanks,

Mike Bratcher • Incident Supervisor  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave | Artesia, NM 88210  
(575) 626-0857 | [mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



From: Dan Dunkelberg <dan@trinityoilfieldservices.com>  
Sent: Friday, March 8, 2024 3:46 PM  
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
Cc: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Josh Halcomb <josh@trinityoilfieldservices.com>; Cynthia Jordan <cynthia@trinityoilfieldservices.com>  
Subject: [EXTERNAL] Request for Final Variance and Commitment to Compliance Going Forward

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear Mr. Bratcher,

I am reaching out to address a recent compliance issue that has been brought to our attention regarding the submission of reports without proper C141(n) confirmation sample notification dates. Upon thorough review, it has become apparent that some of the dates on our laboratory reports do not align with the notification dates sent, and regrettably, there were instances where notifications were mistakenly missed or not sent altogether. Please accept my sincere apologies for any inconvenience or concern this may have caused.

I want to assure you that this oversight was not intentional, and we are taking immediate steps to rectify the situation. Our team is diligently working to ensure that all necessary adjustments are made to comply with 19.15.29.12(D)1(a) NMAC. Furthermore, I want to emphasize that all other required information outlined in the Site Assessment and Remediation is complete and meets the 19.15.29 NMAC standards.

We fully recognize the significance of the C141(n) rule outlined in 19.15.29.12(D)1(a) NMAC, and have implemented comprehensive measures to ensure compliance across all our operations. Moving forward, all projects initiated since the issuance of the "Public Notice Implementation of Digital C-141 and Incident Statutes" on 12/01/2023, will strictly adhere to the requirement of submitting proper 48-hour notifications through the portal for confirmation sample dates.

In consideration of this issue, we are formally requesting a final variance for 19.15.29.12(D)1(a) NMAC on all projects started with release dates before 12/01/2023. We understand the importance of adhering to regulatory guidelines and acknowledge that there have been instances where our past projects did not fully meet this requirement.

Please know that we do not take this request lightly and assure you that it is not our intention to seek further variances regarding the 48-hour notice in the future. We are fully committed to ensuring compliance with all regulatory standards moving forward and have taken proactive steps to prevent similar issues from arising again.

We are available to discuss further at your best convenience and welcome the opportunity to provide any additional information or clarification you may require.

We sincerely appreciate your consideration of our request for a final variance and assure you of our unwavering commitment to compliance and continuous improvement. Our commitment to compliance with the 19.15.29 NMAC standards remains absolute, and we are dedicated to resolving this issue promptly and effectively. Thank you for your time and attention to this matter.

Sincerely,

Dan Dunkelberg  
Environmental Regulatory Manager

[Redacted Signature]

Trinity Oilfield Services & Rentals, LLC  
Cell: (575) 602-2403



# 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). RA-13517		
	WELL OWNER NAME(S) Cross Timbers Energy LLC.				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 400 W. 7th St.				CITY Ft. Worth	STATE TX	ZIP 76102
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 48	SECONDS 25.92 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	41	30.48 W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SWNE S-929 T-17S R-33E							
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 11/25/24	DRILLING ENDED 11/25/24	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) 92		
	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) 92		DATE STATIC MEASURED 12/2/24
	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)
	0 105		6'	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)

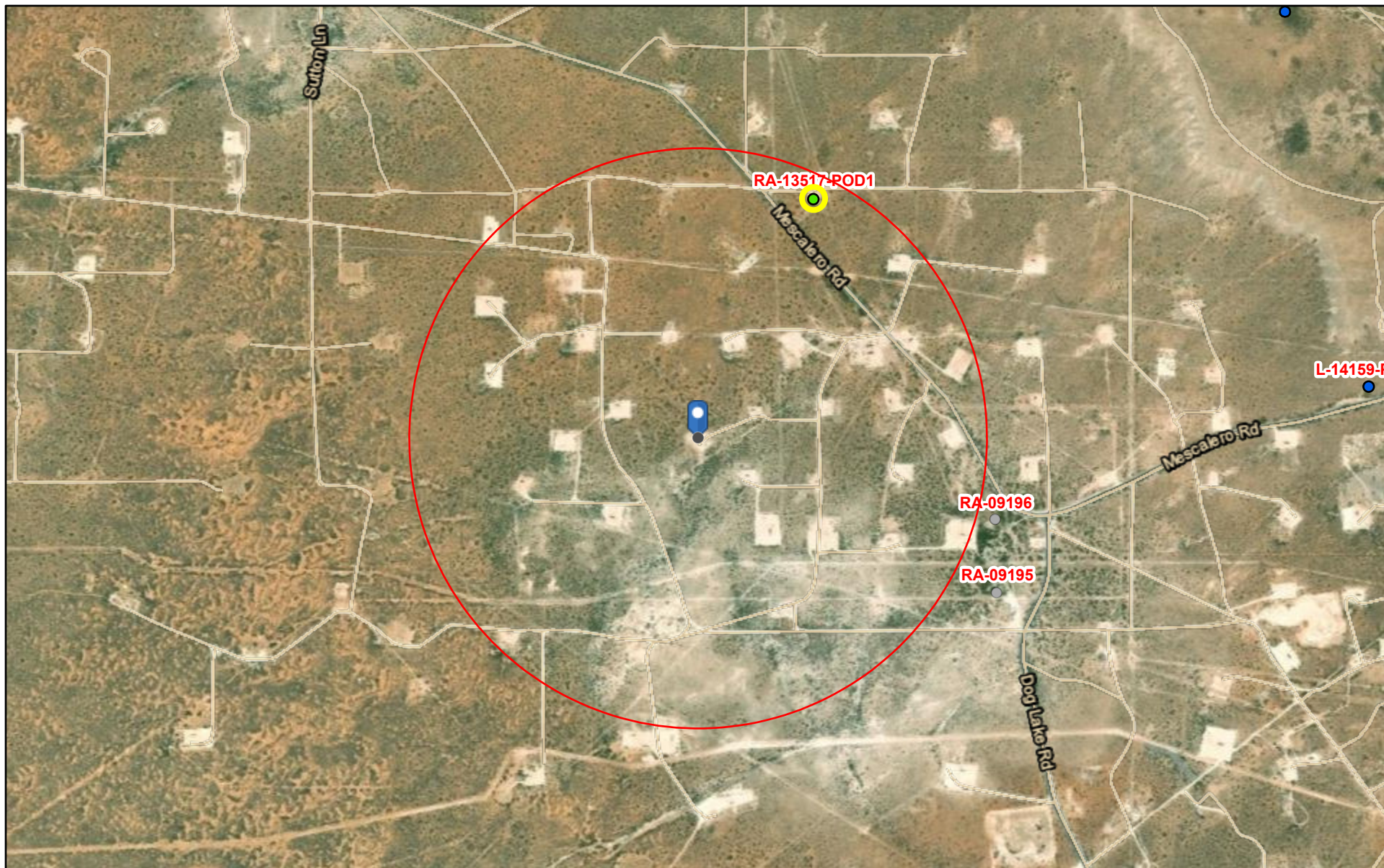
FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2



	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				
<b>4. HYDROGEOLOGIC LOG OF WELL</b>	0'	1'	1'	sandy topsoil	Y    ✓ N	
	1'	30'	29'	sandy caliche	Y    ✓ N	
	30'	55'	25'	Sand and clay stringers	Y    ✓ N	
	55'	75'	20'	Red sand	Y    ✓ N	
	75'	105'	30'	Coarse sand and gravel	✓ 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):
<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 11/25/24, well was gauged on 12/2/24, static water level was gauged at 92 feet, casing was removed and bore was plugged pursuant to the approved PPOO.					
	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:					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				James Hawley _____ DATE	
FOR OSE INTERNAL USE						
FILE NO.		POD NO.		WR-20 WELL RECORD & LOG (Version 09/22/2022) TRN NO.		
LOCATION			WELL TAG ID NO.		PAGE 2 OF 2	



# NAPP2235337608 | SEMU 106



1/6/2025, 9:24:25 AM

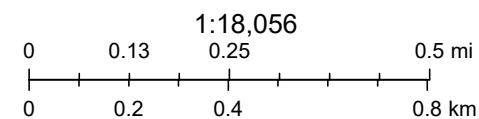
GIS WATERS PODs



Pending



Active



Esri, HERE, IPC, Esri, HERE, Garmin, IPC, Maxar





U.S. Fish and Wildlife Service

## National Wetlands Inventory

NAPP2235337608 | SEMU 106



February 20, 2023

## Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

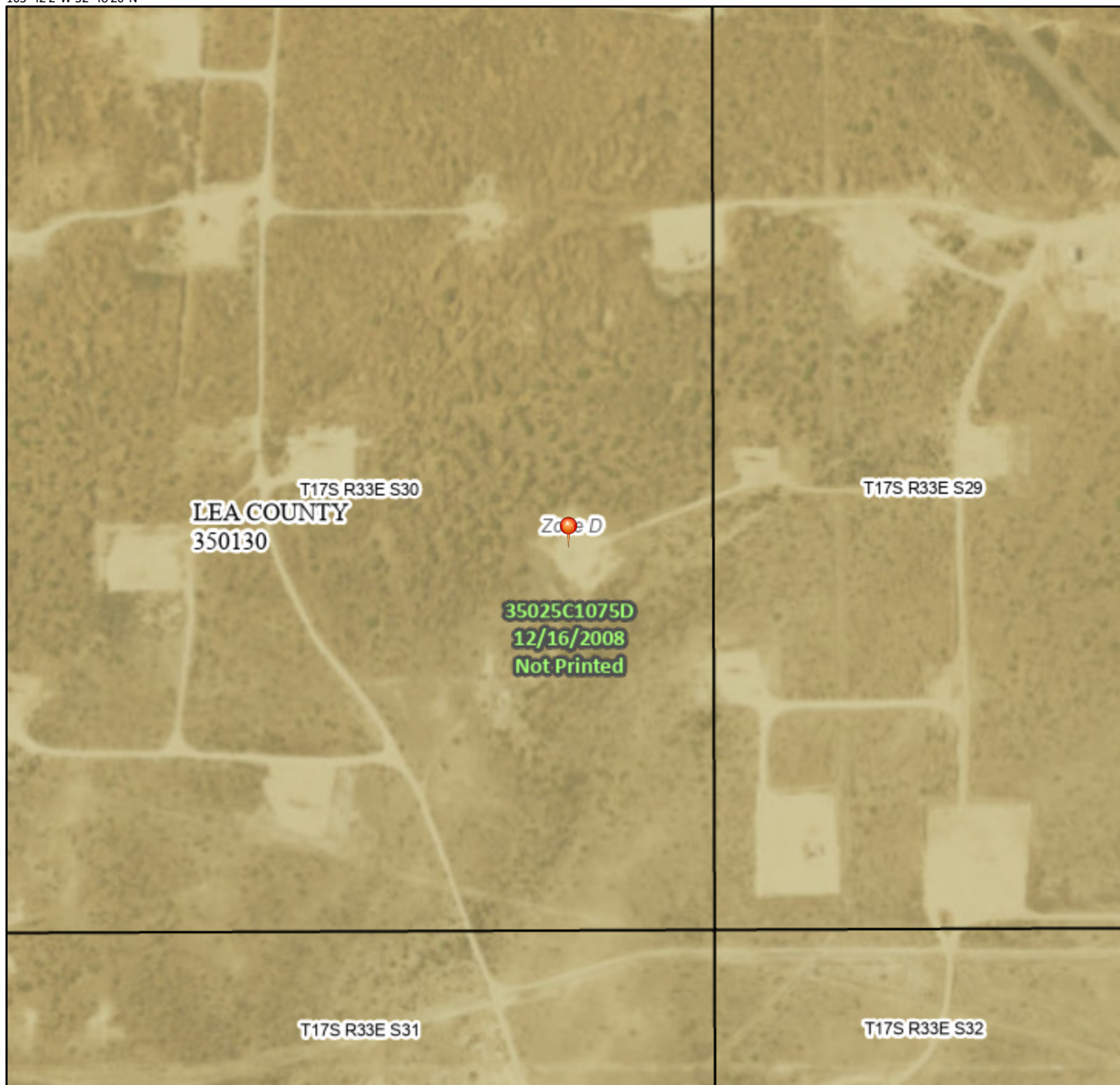
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



## National Flood Hazard Layer FIRMette



103°42'2"W 32°48'20"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/20/2023 at 4:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Released to Imaging: 1/17/2025 4:31:18 PM

1,500

2,000

1:6,000

103°41'24"W 32°47'49"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



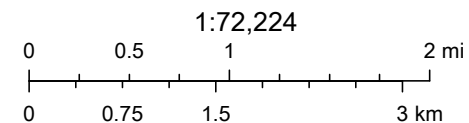
# NAPP2235337608 | SEMU 106



2/20/2023, 3:33:36 PM

Karst Occurrence Potential

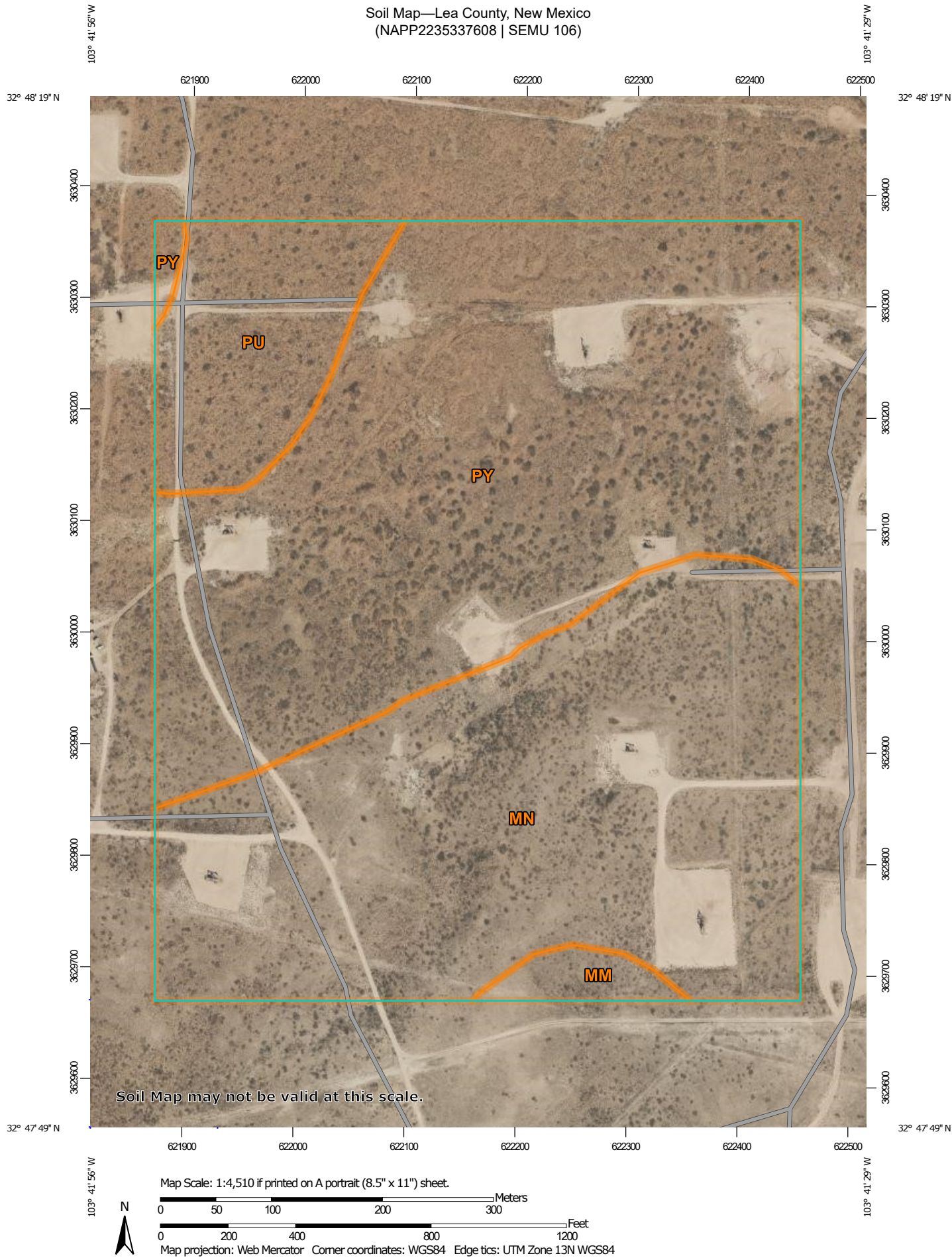
Low



BLM, OCD, New Mexico Tech, Earthstar Geographics



Soil Map—Lea County, New Mexico  
(NAPP2235337608 | SEMU 106)



Natural Resources  
Conservation Service


Web Soil Survey  
National Cooperative Soil Survey

2/20/2023  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(NAPP2235337608 | SEMU 106)


## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MM	Ratliff loam, 0 to 3 percent slopes	1.6	1.6%
MN	Ratliff-Wink fine sandy loams	41.4	41.0%
PU	Pyote and Maljamar fine sands	9.3	9.2%
PY	Pyote soils and Dune land	48.6	48.2%
Totals for Area of Interest		100.8	100.0%



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May 24, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SEMU 106

Enclosed are the results of analyses for samples received by the laboratory on 05/19/23 15:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	05/19/2023	Sampling Date:	05/17/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

**Sample ID: CF-001-00.0-NA-P (H232566-01)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13400	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-001-01.0-NA-P (H232566-02)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-001-02.0-NA-P (H232566-03)**

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	05/22/2023	ND	2.40	120	2.00	1.36	
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-002-00.0-NA-P (H232566-04)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-003-00.0-NA-P (H232566-05)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34400	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	28.1	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	17.9	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-003-01.0-NA-P (H232566-06)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-003-02.0-NA-P (H232566-07)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-004-00.0-NA-P (H232566-08)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTX	<0.300	0.300	05/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-005-00.0-NA-P (H232566-09)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	05/22/2023	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	05/22/2023	ND	172	85.9	200	4.58	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	162	80.9	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-006-00.0-NA-P (H232566-10)**

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	05/22/2023	ND	2.40	120	2.00	1.36	
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-007-00.0-NA-P (H232566-11)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTEX	<0.300	0.300	05/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-008-00.0-NA-P (H232566-12)**

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	05/22/2023	ND	2.40	120	2.00	1.36	
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74	
Total BTEX	<0.300	0.300	05/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32000	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	2200	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	710	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-008-01.0-NA-P (H232566-13)**

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	05/22/2023	ND	2.40	120	2.00	1.36	
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74	
Total BTEX	<0.300	0.300	05/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-001-03.0-NA-P (H232566-14)**

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	05/22/2023	ND	2.40	120	2.00	1.36		
Toluene*	<0.050	0.050	05/22/2023	ND	2.34	117	2.00	1.07		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.29	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.95	116	6.00	2.74		
Total BTX	<0.300	0.300	05/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-001-04.0-NA-P (H232566-15)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-001-05.0-NA-P (H232566-16)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-003-03.0-NA-P (H232566-17)**

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	05/22/2023	ND	2.17	108	2.00	1.92	
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-003-04.0-NA-P (H232566-18)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-003-05.0-NA-P (H232566-19)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-009-00.0-NA-P (H232566-20)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-010-00.0-NA-P (H232566-21)**

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	05/22/2023	ND	2.17	108	2.00	1.92	
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-011-00.0-NA-P (H232566-22)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	62400	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	326	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	123	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-011-01.0-NA-P (H232566-23)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	1090	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	360	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-012-00.0-NA-P (H232566-24)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-013-00.0-NA-S (H232566-25)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-014-00.0-NA-S (H232566-26)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEx	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-015-00.0-NA-S (H232566-27)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-016-00.0-NA-S (H232566-28)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-017-00.0-NA-S (H232566-29)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEx	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/22/2023	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	05/22/2023	ND	195	97.3	200	3.97	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	175	87.6	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-018-00.0-NA-S (H232566-30)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEx	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-019-00.0-NA-S (H232566-31)**

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	05/22/2023	ND	2.17	108	2.00	1.92	
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26000	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	147	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	24.2	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-019-01.0-NA-S (H232566-32)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-020-00.0-NA-S (H232566-33)**

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	05/22/2023	ND	2.17	108	2.00	1.92		
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	26.7	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	10.2	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-021-00.0-NA-S (H232566-34)**

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	05/22/2023	ND	2.17	108	2.00	1.92	
Toluene*	<0.050	0.050	05/22/2023	ND	2.16	108	2.00	0.155	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.25	112	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.63	110	6.00	0.906	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	148	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	49.9	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-022-00.0-NA-S (H232566-35)**

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	05/22/2023	ND	2.22	111	2.00	0.782		
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28800	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-022-01.0-NA-S (H232566-36)**

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	05/22/2023	ND	2.22	111	2.00	0.782		
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 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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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-023-00.0-NA-S (H232566-37)**

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	05/22/2023	ND	2.22	111	2.00	0.782	
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	255	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	121	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-024-00.0-NA-S (H232566-38)**

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	05/22/2023	ND	2.22	111	2.00	0.782		
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-025-00.0-NA-S (H232566-39)**

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	05/22/2023	ND	2.22	111	2.00	0.782	
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241	
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495	
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265	
Total BTEX	<0.300	0.300	05/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32800	16.0	05/22/2023	ND	432	108	400	0.00	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	33.9	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-025-01.0-NA-S (H232566-40)**

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	05/22/2023	ND	2.22	111	2.00	0.782		
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-026-00.0-NA-S (H232566-41)**

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	05/22/2023	ND	2.22	111	2.00	0.782		
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265		
Total BTEX	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14000	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	1530	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	394	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 05/19/2023  
 Reported: 05/24/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CF-027-00.0-NA-S (H232566-42)**

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	05/22/2023	ND	2.22	111	2.00	0.782		
Toluene*	<0.050	0.050	05/22/2023	ND	2.31	115	2.00	0.241		
Ethylbenzene*	<0.050	0.050	05/22/2023	ND	2.21	110	2.00	0.0495		
Total Xylenes*	<0.150	0.150	05/22/2023	ND	6.82	114	6.00	0.265		
Total BTEx	<0.300	0.300	05/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/22/2023	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	05/22/2023	ND	161	80.6	200	1.81	
DRO >C10-C28*	<10.0	10.0	05/22/2023	ND	170	85.1	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	05/22/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 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

---

### 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.
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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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



Page 45 of 49

Page 46 of 49



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		BILL TO		ANALYSIS REQUEST													
Project Manager: Dan Dunkelberg		P.O. #:															
Address: 8426 N Dal Paso		Company: Cross Timbers Energy, LLC															
City: Hobbs		Attn: Kevin Bennett															
State: NM Zip: 88241		Address:															
Phone #:		City:															
Fax #:		State:															
Project #:		Zip:															
Project Name: SEMU 106		Project Owner: (see below)															
Project Location: Lea Co., NM		dan@trinityoilfieldservices.com															
Sampler Name: MW		Phone #:															
Fax #:																	
FOR LAB USE ONLY		PRESERV.		SAMPLING													
Lab I.D. #1233546		DATE		TIME													
Sample I.D.		(G)RAB OR (C)OMP.															
		# CONTAINERS															
		GROUNDWATER															
		WASTEWATER															
		SOIL															
		OIL															
		SLUDGE															
		OTHER :															
		ACID/BASE:															
		ICE / COOL															
		OTHER :															
CF-010-00.0-NA-P		C 1		5/17/2023													
CF-011-00.0-NA-P		C 1		5/17/2023													
CF-011-01.0-NA-P		C 1		5/17/2023													
CF-012-00.0-NA-P		C 1		5/17/2023													
CF-013-00.0-NA-S		C 1		5/17/2023													
CF-014-00.0-NA-S		C 1		5/17/2023													
CF-015-00.0-NA-S		C 1		5/17/2023													
CF-016-00.0-NA-S		C 1		5/17/2023													
CF-017-00.0-NA-S		C 1		5/17/2023													
CF-018-00.0-NA-S		C 1		5/17/2023													
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Relinquished By: [Signature]		Date: 5-19-23		Received By: [Signature]													
Relinquished By: [Signature]		Date: 5/17		Received By: [Signature]													
Time:		Time:		REMARKS:													
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		[Signature]		Thermometer ID #113		Rush		Cool Intact		Corrected Temp. °C			

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



[illegible]



Page 49 of 49



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

August 01, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SEMU 106

Enclosed are the results of analyses for samples received by the laboratory on 07/26/23 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	08/01/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shari Cisneros
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

**Sample ID: CF-005.0-04.0-P (H233928-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	07/31/2023	ND	432	108	400	0.00	

**Sample ID: CF-011.0-04.0-P (H233928-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/31/2023	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	07/31/2023	ND	198	99.0	200	1.88	
DRO >C10-C28*	<10.0	10.0	07/31/2023	ND	189	94.5	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	07/31/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

**Sample ID: CF-012.0-04.0-P (H233928-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	07/31/2023	ND	432	108	400	0.00	

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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	08/01/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shari Cisneros
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

**Sample ID: CF-021.0-00.3-S (H233928-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	07/31/2023	ND	432	108	400	0.00	

**Sample ID: CF-026.0-00.3-S (H233928-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/31/2023	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	07/31/2023	ND	198	99.0	200	1.88	
DRO >C10-C28*	23.6	10.0	07/31/2023	ND	189	94.5	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	07/31/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Page 5 of 5



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

---

October 03, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SEMU 106

Enclosed are the results of analyses for samples received by the laboratory on 09/27/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	09/27/2023	Sampling Date:	09/22/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

**Sample ID: CW-001.0-02.0-P (H235281-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2023	ND	416	104	400	7.41		

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	09/28/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-002.0-01.0-P (H235281-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2023	ND	448	112	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	09/28/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-003.0-02.5-P (H235281-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829		
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04		
Total BTEx	<0.300	0.300	10/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/29/2023	ND	448	112	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	09/28/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 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:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-004.0-02.5-P (H235281-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-005.0-00.3-P (H235281-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829		
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04		
Total BTEx	<0.300	0.300	10/01/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-006.0-00.3-P (H235281-06)**

BTEX 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829		
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04		
Total BTEX	<0.300	0.300	10/01/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-007.0-00.0-S (H235281-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	33.3	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-008.0-00.0-S (H235281-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	28.5	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 09/27/2023  
 Reported: 10/03/2023  
 Project Name: SEMU 106  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS - LEA COUNTY, NM

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-009.0-00.3-S (H235281-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	1.82	90.9	2.00	0.0829	
Toluene*	<0.050	0.050	10/01/2023	ND	2.02	101	2.00	1.09	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.13	106	2.00	1.52	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	6.36	106	6.00	2.04	
Total BTEX	<0.300	0.300	10/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/29/2023	ND	448	112	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	09/29/2023	ND	192	96.2	200	2.20	
DRO >C10-C28*	69.1	10.0	09/29/2023	ND	185	92.3	200	2.01	
EXT DRO >C28-C36	17.1	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories										101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476										CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																																							
Company Name: Trinity Oilfield Services										P.O. #: Cross Timbers Energy										ANALYSIS REQUEST																																							
Project Manager: Dan Dunkelberg										Company: Kevin Bennett																																																	
Address: 8426 N Dal Paso										Attn: Kevin Bennett																																																	
City: Hobbs										Address:																																																	
State: NM Zip: 88241																																																											
Phone #: Hobbs										City:																																																	
Project #: SEMU 106										State:																																																	
Project Name: dan@trinityoilfieldservices.com										Zip:																																																	
Project Location: LeA de NM										Phone #:																																																	
Sample Name:										Fax #:																																																	
FOR LAB USE ONLY										MATRIX										PRESERV.										SAMPLING																													
										GROUNDWATER																																																	
										WASTEWATER																																																	
										SOIL																																																	
										SLUDGE																																																	
										OTHER:																																																	
										ACID/BASE:																																																	
										ICE / COOL																																																	
										OTHER:																																																	
										DATE										TIME																																							
Lab I.D. 11035281										Sample I.D.										Chloride										TPH										BTEX																			
CW-001 0-02 0-P										C 1										9/22/2023										X										X										X									
CW-002 0-01 0-P										C 1										9/22/2023										X										X										X									
CW-003 0-02 5-P										C 1										9/22/2023										X										X										X									
CW-004 0-02 5-P										C 1										9/22/2023										X										X										X									
CW-005 0-00 3-P										C 1										9/22/2023										X										X										X									
CW-006 0-00 3-P										C 1										9/22/2023										X										X										X									
CW-007 0-00 0-S										C 1										9/22/2023										X										X										X									
CW-008 0-00 0-S										C 1										9/22/2023										X										X										X									
CW-009 0-00 3-S										C 1										9/22/2023										X										X										X									

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Relinquished By: *[Signature]* Date: *9/27/23* Time: *14:15* Received By: *[Signature]* Verbal Result: Yes No Add'l Phone #:

Relinquished By: *[Signature]* Date: *9/27/23* Time: *14:15* Received By: *[Signature]* Verbal Result: Yes No Add'l Phone #:

Delivered By: (Circle One) Observed Temp. °C *78* Corrected Temp. °C *78* Sample Condition Cool Intact *Yes* Checked By: *[Signature]* Turnaround Time: *Standard* Bacteria (only) Sample Condition Cool Intact *Yes* Observed Temp. °C *78* Corrected Temp. °C *78*

Sampler - UPS - Bus - Other: *UPS* Thermometer ID #140 Correction Factor 0 °C

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

**From:** [Cynthia Jordan](#)  
**To:** [Wells, Shelly, EMNRD](#)  
**Cc:** [Josh Halcomb](#); [Samanntha Avarello](#); [DGuillotte@txopartners.com](mailto:DGuillotte@txopartners.com)  
**Subject:** [EXTERNAL] Re: NAPP2235337608 SEMU 106 Questions  
**Date:** Wednesday, January 15, 2025 11:20:53 AM

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CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Shelly!

Thank you for reaching out with your questions. I am happy to provide clarification regarding the sample depths and the excavation photos from October 2023.

For the collection depths of floor samples and corresponding wall samples:

-CF-001: Collected at 5' depth, while sidewall sample was labelled at 2' depth

-CF-003: Collected at 5' depth, while sidewall sample was labelled at 2.5' depth

Each wall sample consists of a five-point composite sample taken from the extent of the floor sample depth. I personally reached out to the field tech that sampled this site and have confirmed the sampling protocol. Would you please give insight to preferred method of labeling wall samples (ex. 6 in, mid-way of the total excavation, or the bottom of the excavation).

As for the photos taken in October 2023, the water observed in the excavations was indeed rainwater. The area received two rainfall events (09/29/2023 and 10/02/2023) prior to the date on the photos (10/04/2023).

I hope this helps clarify your concerns. Please don't hesitate to reach out if you need any additional information.

*In future correspondence, please contact Josh ([josh@trinityoilfieldservices.com](mailto:josh@trinityoilfieldservices.com)) or myself from Trinity.*

Thank you so much!

Cynthia Jordan  
Project Scientist



Trinity Oilfield Services & Rentals, LLC  
Cell: (575) 552-6156

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**From:** Todd Roberson <todd@trinityoilfieldservices.com>  
**Sent:** Tuesday, January 14, 2025 6:32 PM  
**To:** Josh Halcomb <josh@trinityoilfieldservices.com>; Cynthia Jordan <cynthia@trinityoilfieldservices.com>  
**Subject:** Fw: NAPP2235337608 SEMU 106 Questions

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**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, January 14, 2025 5:11:23 PM  
**To:** Dan Dunkelberg <dan@trinityoilfieldservices.com>  
**Subject:** NAPP2235337608 SEMU 106 Questions

Hi Dan,

I am reviewing the closure report submitted for **NAPP2235337608 SEMU 106** and have some questions. If CF-003 and CF-001 were collected at 5' depth, why do the corresponding sidewall samples say collected at 2' and 2.5', accordingly? Also in the excavation photos taken in October 2023 it shows the excavations filled with water. Was that rainwater? I look forward to hearing what you have to say.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
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**Santa Fe, NM 87505**

QUESTIONS

Action 417242

**QUESTIONS**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 417242
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2235337608
Incident Name	NAPP2235337608 SEMU 106 @ 30-025-33353
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-33353] SOUTHEAST MALJAMAR GB/SA UNIT #106

**Location of Release Source**

Please answer all the questions in this group.

Site Name	SEMU 106
Date Release Discovered	12/15/2022
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: Vandalism   Injection Well   Produced Water   Released: 10 BBL   Recovered: 0 BBL   Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	COPPER THEIVES PULLED EXISTING LINE OUT OF GROUND, WRAPPED IT AROUND INJECTION WELL SURFACE EQUIPMENT AND BROKE NIPPLE

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QUESTIONS, Page 2

Action 417242

**QUESTIONS (continued)**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 417242
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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: Dan Dunkelberg Title: Consultant Email: dan@trinityoilfieldservices.com Date: 01/10/2025
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QUESTIONS, Page 3

Action 417242

**QUESTIONS (continued)**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 417242
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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 ½ and 1 (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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<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)	35200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1993
GRO+DRO (EPA SW-846 Method 8015M)	1640
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	05/17/2023
On what date will (or did) the final sampling or liner inspection occur	05/17/2023
On what date will (or was) the remediation complete(d)	09/22/2023
What is the estimated surface area (in square feet) that will be reclaimed	10881
What is the estimated volume (in cubic yards) that will be reclaimed	1605
What is the estimated surface area (in square feet) that will be remediated	10881
What is the estimated volume (in cubic yards) that will be remediated	259
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 417242

**QUESTIONS (continued)**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 417242
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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	SUNDANCE SERVICES, INC [fKJ1600527371]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Dan Dunkelberg Title: Consultant Email: dan@trinityoilfieldservices.com Date: 01/10/2025
<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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QUESTIONS, Page 5

Action 417242

QUESTIONS (continued)

Operator:  CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:  298299
	Action Number:  417242
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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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QUESTIONS, Page 6

Action 417242

**QUESTIONS (continued)**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 417242
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	419418
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/10/2025
What was the (estimated) number of samples that were to be gathered	56
What was the sampling surface area in square feet	10881

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	10881
What was the total volume (cubic yards) remediated	395
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	10881
What was the total volume (in cubic yards) reclaimed	395
Summarize any additional remediation activities not included by answers (above)	Final reclamation of the well pad shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.
<i>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>	
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: Dan Dunkelberg Title: Consultant Email: dan@trinityoilfieldservices.com Date: 01/10/2025

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QUESTIONS, Page 7  
  
Action 417242

QUESTIONS (continued)

Operator:  CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:  298299
	Action Number:  417242
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 417242

CONDITIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 417242
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/17/2025