

# Trinity Oilfield Services & Rentals, LLC



July 22<sup>nd</sup>, 2024

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

Re: **Remediation Plan Request**  
**Southeast Maljamar GB/SA Unit #909**  
**Tracking #: NAPP2414132464**

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

Site Information	
Incident ID	NAPP2414132464
Site Name	Southeast Maljamar GB/SA Unit #909
Lease ID	B025160069
Company	Cross Timbers Energy, LLC
County	Lea
ULSTR	O-29-17S-33E
GPS Coordinates (NAD 83)	32.798783, -103.684236
Landowner	Private

## RELEASE BACKGROUND

On 05/20/2024, Cross Timbers Energy, LLC reported a release at the Southeast Maljamar GB/SA Unit #909. The release was caused by corrosion. Approximately 6,233 sqft. of the lease road was found to be damp upon initial inspection.

Release Information	
Date of Release	05/14/2024
Type of Release	Crude Oil and Produced Water
Source of Release	Corrosion
Volume Released – Produced Water	7 bbls
Volume Recovered – Produced Water	5 bbls
Volume Released – Crude Oil	2 bbls
Volume Recovered – Crude Oil	1 bbls
Affected Area – Damp Soil	Lease Road - Approximately 6,233 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	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	DTW-9	02/16/2024	105'

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 Zero (0) wells 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.

On 02/16/2024, Kane Environmental Engineering along with Scarborough Drilling was onsite to drill a groundwater determination borehole (DTW-9) to 105' below ground surface within a  $\frac{1}{2}$  mile radius of the incident location. The borehole was left open for 96 hours and checked for the presence of groundwater. As a result, no water was detected at 105' below surface at the borehole location (32.79918, -103.67772). The driller log is attached for reference.

**General Site Characterization:**

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

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	20,000 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 will be 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:**

<b>Delineation Summary</b>	
Delineation Dates	05/31/2024 - 06/03/2024
Depths Sampled	0' - 4'
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	Within 90 Days of NMOCD Approval
Liner Variance Request	None
Deferral Request	None
Proposed Depths Excavated	0.3' - 1'
Proposed Area of 5-point Confirmation Samples – Floors and Walls	400 sqft.
Estimated Total Volume of Excavated Soil	240 yards

According to the Spill Rule Procedures dated 09/06/2019 (Page 2 & 3, VI. ON-SITE vs. OFF-SITE REMEDIATION (c)): "The difference between on- and off-site releases is when the reclamation and restoration must occur. Off-site releases must be reclaimed and restored immediately. On-site reclamation and restoration can wait until operations have ceased, but they still must be done."

Process Updates regarding Submissions of Form C-141 Release Notification and Corrective Actions dated 12/01/2023 in Frequently Asked Questions VI. B. states: "Reclamation of areas that are still reasonably needed for production operations or subsequent drilling operations is NOT required to be reclaimed immediately following remediation."

According to 19.15.29.13(B) NMAC: "Areas reasonably needed for production operations or for subsequent drilling operations must be compacted, covered, paved, or otherwise stabilized and maintained in such a way as to minimize dust and erosion to the extent practical."

Based on the information provided, the lease road meets the criteria for production operations, being compacted, covered, paved, or otherwise stabilized to minimize dust and erosion. Off-site areas are not subject to the operations listed in 19.15.29.13(B) NMAC and must be reclaimed and restored immediately. If the road is designated as off-site, a seeding plan would be required for the Reclamation Report to meet 19.15.29.13(D)(2) NMAC, which cannot be done on an active road. Therefore, Trinity requests classifying the lease road as On-Site and remediating the affected surface area to align with the standards in Table I of 19.15.29.12 NMAC. Once the lease road is no longer needed, reclamation will occur within 90 days per 19.15.29.13(D).

Impacted soil within the release margins will be 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 will be 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 will be advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 400 sqft. of the excavated area) will be 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 will be transported under manifest to an NMOCD-approved disposal facility. Upon approval, the excavated area will be 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. The area will be fenced off to mitigate grazing and soil compaction by cattle.

Affected areas disturbed by remediation on native land, 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 in accordance with the applicable regulatory agency.

## REQUEST FOR REMEDIATION PLAN APPROVAL

Supporting Documentation	
Delineation Map	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 corrective actions will be completed within 90 days of receipt of approval of this remediation plan proposal by the NMOCD. Upon completion of the proposed tasks, a "Remediation Closure Request" will be submitted, documenting remediation activities and results of confirmation soil samples.

Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant approval for the detailed Remediation Plan.

Sincerely,



Dan Dunkelberg  
Project Manager



Cynthia Jordan  
Project Scientist



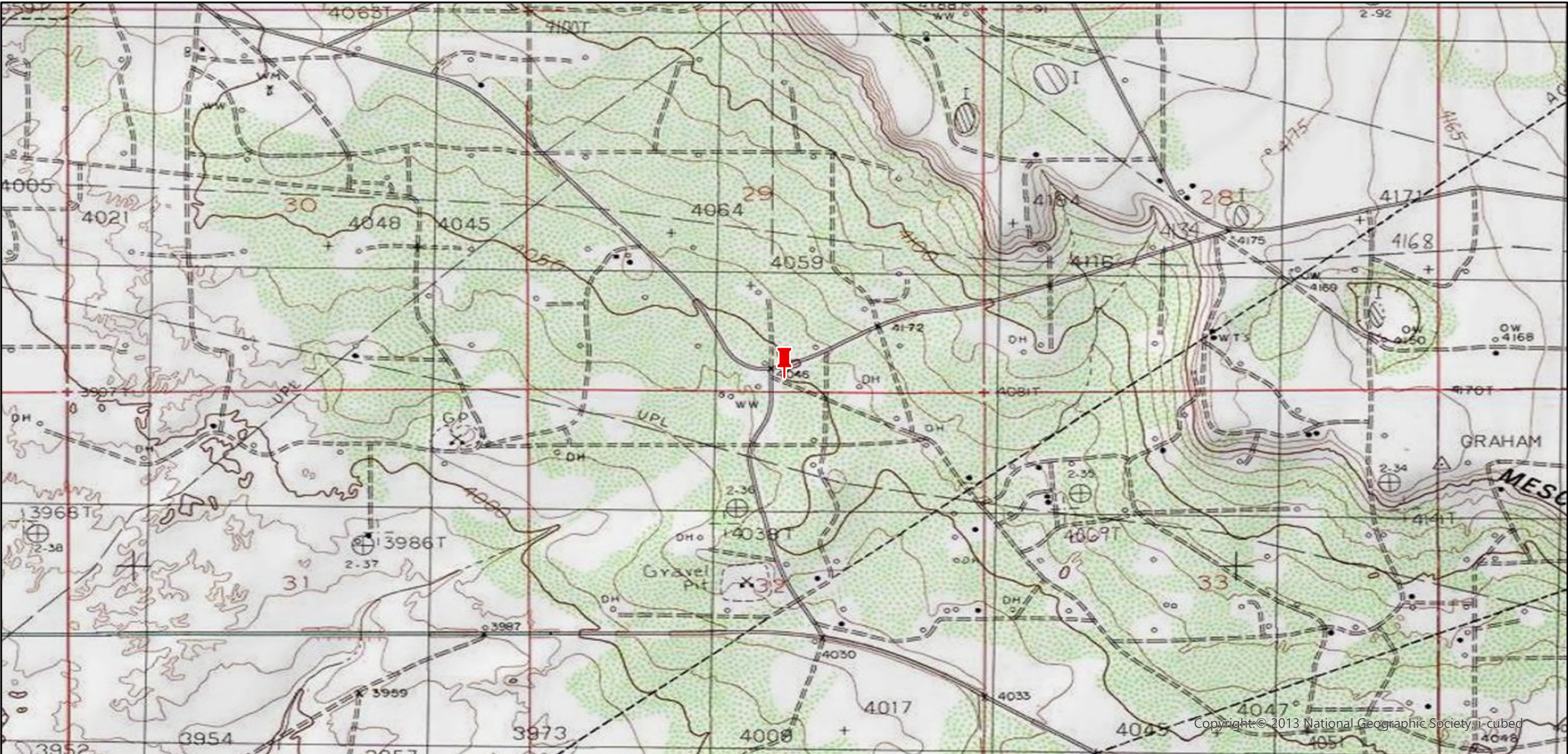
**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**CROSS TIMBERS ENERGY, LLC**  
**SOUTHEAST MALJAMAR GB/SA UNIT #909**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2414132464**



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>20000</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>														
DV-001.0-00.0-P	0	5/31/2024	Vertical	On-Site	Grab	In-Situ	3,320.0	24,520.0	19,300.0	<10.0	19,300.0	5,220.0	<10.0	<10.0
DV-001.0-01.0-P	1	5/31/2024	Vertical	On-Site	Grab	In-Situ	1,640.0	12.9	12.9	<10.0	12.9	<10.0	<10.0	<10.0
DV-001.0-04.0-P	4	5/31/2024	Vertical	On-Site	Grab	In-Situ	1,340.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DV-002.0-00.0-P	0	5/31/2024	Vertical	On-Site	Grab	In-Situ	2,720.0	19,870.0	15,400.0	<10.0	15,400.0	4,470.0	<10.0	<10.0
DV-002.0-01.0-P	1	5/31/2024	Vertical	On-Site	Grab	In-Situ	400.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DV-002.0-02.0-P	2	5/31/2024	Vertical	On-Site	Grab	In-Situ	272.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DV-003.0-00.0-P	0	5/31/2024	Vertical	On-Site	Grab	In-Situ	12,400.0	168.0	102.0	<10.0	102.0	66.0	<10.0	<10.0
DV-003.0-01.0-P	1	5/31/2024	Vertical	On-Site	Grab	In-Situ	608.0	29.6	29.6	<10.0	29.6	<10.0	<10.0	<10.0
DV-003.0-02.0-P	2	5/31/2024	Vertical	On-Site	Grab	In-Situ	112.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
<b>Horizontal Delineation</b>														
DH-001.0-01.0-P	1	6/3/2024	Horizontal	On-Site	Grab	In-Situ	160.0	22.8	<10.0	<10.0	<10.0	22.8	<10.0	<10.0
DH-001.1-01.0-P	1	6/3/2024	Horizontal	On-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-002.0-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	256.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-003.0-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	112.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-004.0-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-005.0-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	288.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-006.0-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	416.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-006.1-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-007.0-01.0-P	1	5/31/2024	Horizontal	On-Site	Grab	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-008.0-01.0-P	1	6/3/2024	Horizontal	On-Site	Grab	In-Situ	416.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-009.0-01.0-P	1	6/3/2024	Horizontal	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-010.0-01.0-P	1	6/3/2024	Horizontal	On-Site	Grab	In-Situ	480.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

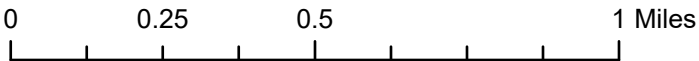




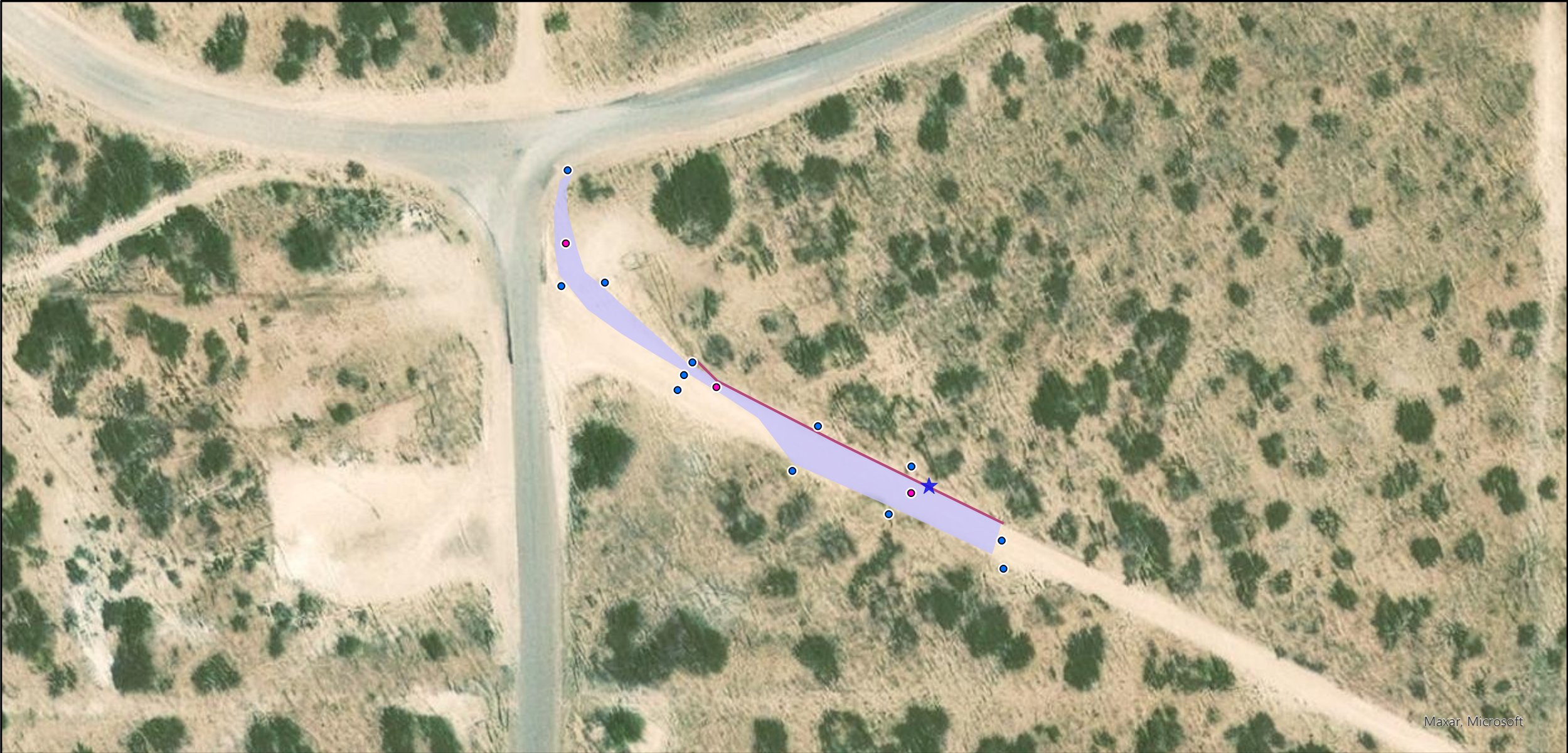
**Legend:**

 Site Location

**Site Location Map**  
**Cross Timbers Energy, LLC**  
**Southeast Maljamar GB/SA Unit #909**  
**32.798783, -103.684236**  
**Lea County, New Mexico**  
**NMOCD Reference # NAPP2414132464**





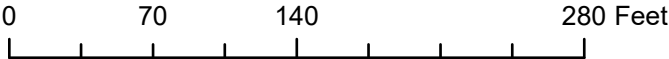


Maxar, Microsoft

**Legend:**

- |                          |                    |
|--------------------------|--------------------|
| ★ Point of Release       | Release Area       |
| ● Vertical Delineation   | Above-Ground Lines |
| ● Horizontal Delineation | Steel              |

**Delineation Map**  
**Cross Timbers Energy, LLC**  
**Southeast Maljamar GB/SA Unit #909**  
**32.798783, -103.684236**  
**Lea County, New Mexico**  
**NMOCD Reference # NAPP2414132464**





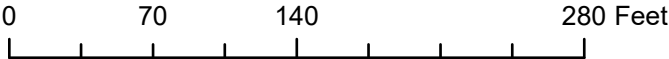


Maxar, Microsoft

**Legend:**

- |                          |                    |
|--------------------------|--------------------|
| ● Vertical Delineation   | Above-Ground Lines |
| ● Horizontal Delineation | — Steel            |
| ■ Release Area           |                    |

**Delineation Map**  
**Cross Timbers Energy, LLC**  
**Southeast Maljamar GB/SA Unit #909**  
**32.798783, -103.684236**  
**Lea County, New Mexico**  
**NMOCD Reference # NAPP2414132464**







## Initial Release

Lease Road:



Lease Road:





## Initial Release

Lease Road:



Lease Road:







## Initial Release

Lease Road:



Lease Road:

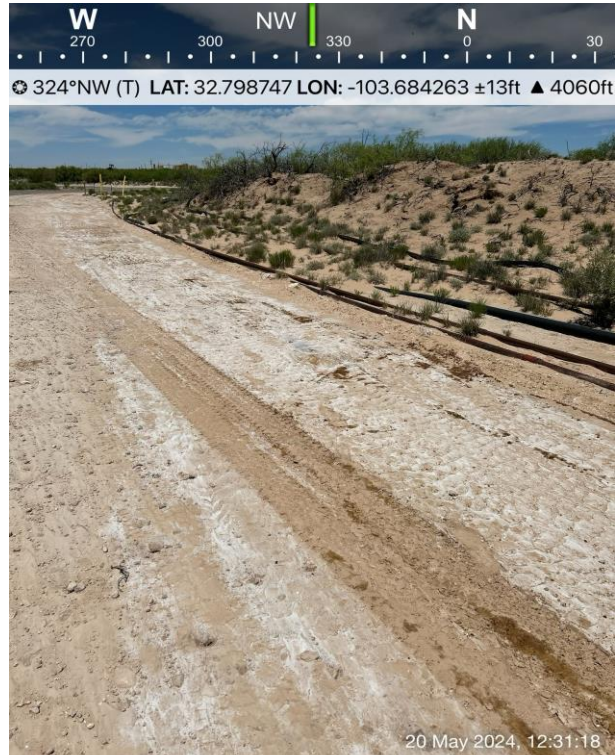




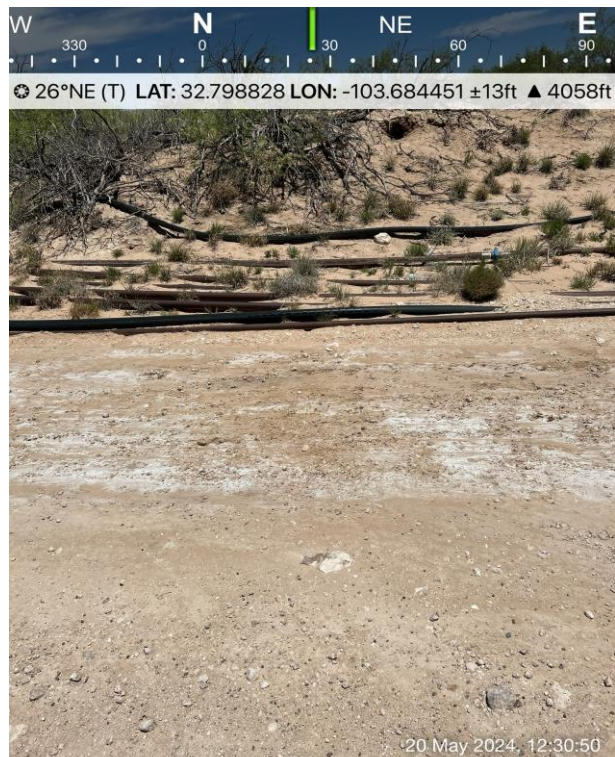


## Initial Release

Lease Road:



Lease Road:



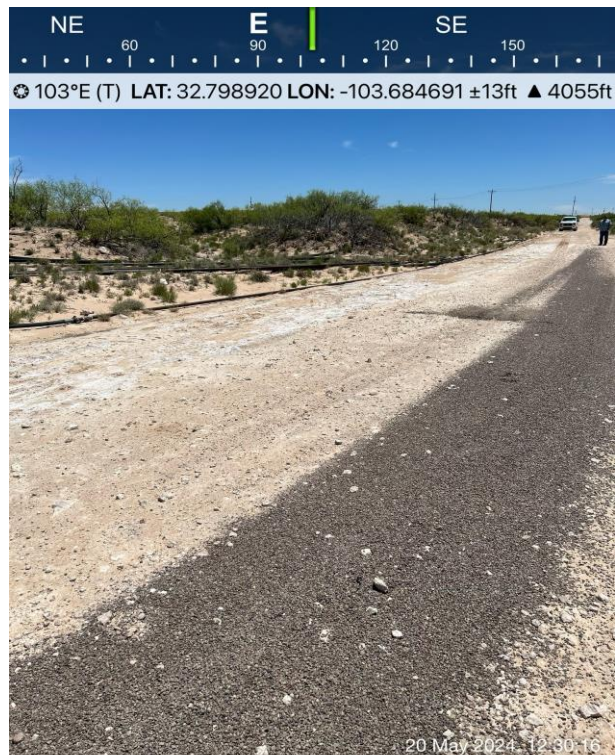


## Initial Release

Lease Road:



Lease Road:

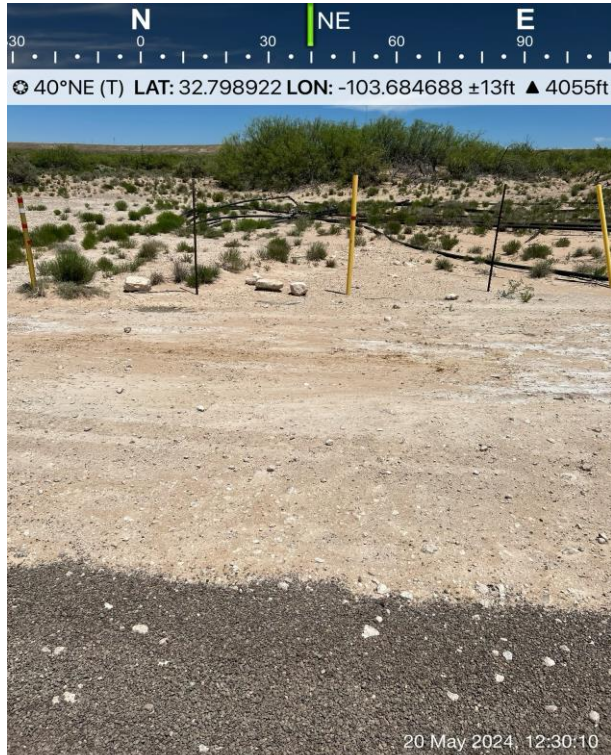






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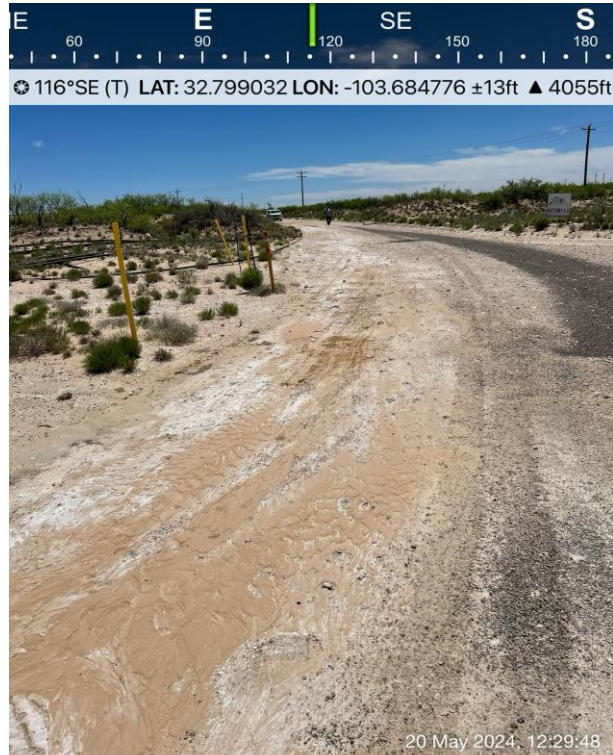
Lease Road:





## Initial Release

Lease Road:



Lease Road:







## Initial Release

Lease Road:

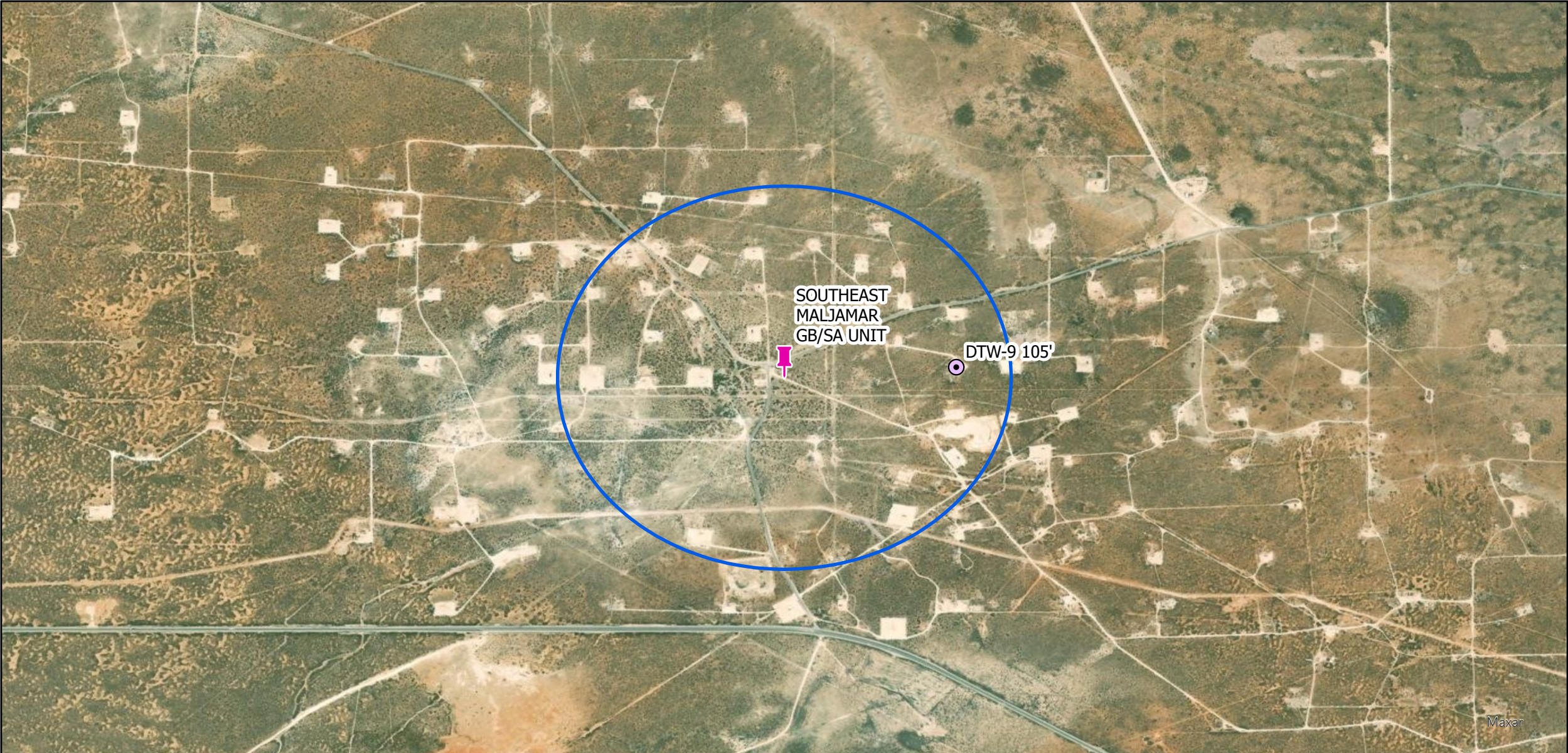


Lease Road:






<b>Kane Environmental Engineering</b> Boring/Completion Log		Kane Environmental Engineering 2351 E. State Highway 21 Lincoln, TX 78948 Phone: 281-379-6580		1 OF 1	
CLIENT: Morning Star Partners PROJECT: Depth to Water Program PROJECT NUMBER: LOCATION: Buckeye, N.M. BORING/WELL NAME: DTW 5 KANE REP: J. Rosen DRILLING METHOD: Coventional Rotary SAMPLING METHODS: Air Rotary Cuttings TOP CSG ELEV:    GRND. ELEV:		<b>Piezometer DTW 9</b>			
START/END: February 16, 2023		DRILLER: Scarborough Drilling: License 2969AKP 3068AKP NM License: WD-1188			
5" borehole with tricone bit		LATITUDE: 32.79918		LONGITUDE: -103.67772	
	CASING	DEPTH IN FEET	SOIL AND DRILLING DESCRIPTION		
			0 - 1.0' Topsoil, silty fine sand (SM-SP), w/angular pieces of caliche, brown, dry 1.0 - 23' Caliche, white to buff, lithified, hard		
		20	23 - 105' Sand (SP), creme to tan, very fine grained, soft, moisture content increases with depth		
		40	Sand contains random thin interbeds of hard caliche		
		60	Switch to drag bit at 60', and add minimal water/foam to enhance cuttings removal		
		80			
		100	Total depth (from ground surface) 105 feet No groundwater encountered upon completion of drilling		
		120	Machine slotted, threaded, Schedule 40 PVC screen from 85 - 105 feet bgs, blank casing surface to 85 ft		

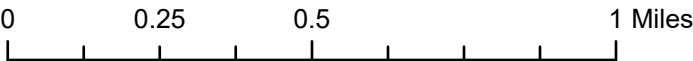




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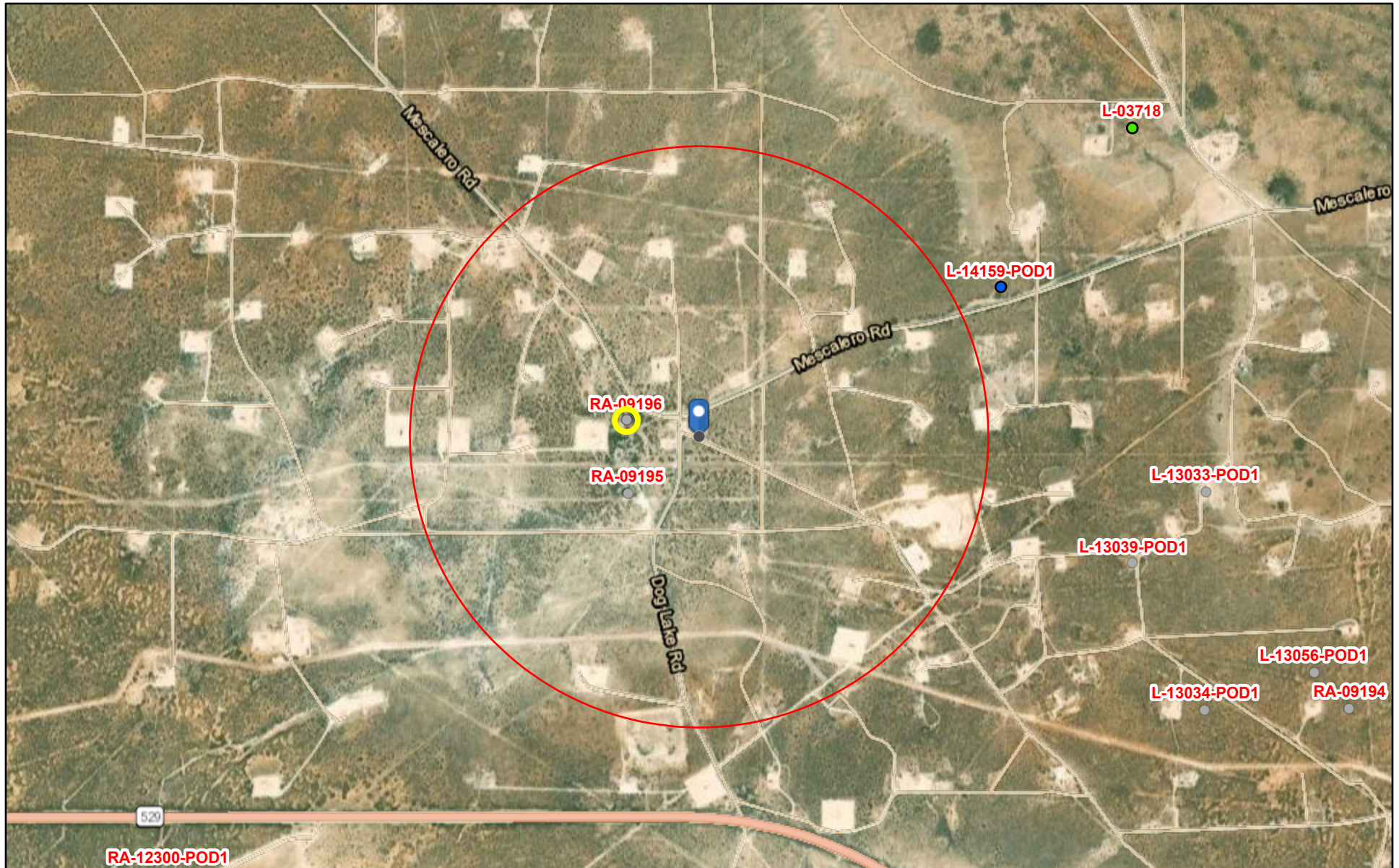
-  Site Location
-  DTW Well
-  1/2 Mile Buffer

Depth to Water Map  
Cross Timbers Energy, LLC  
Southeast Maljamar GB/SA Unit #909  
32.798783, -103.684236  
Lea County, New Mexico  
NMOCD Reference # NAPP2414132464





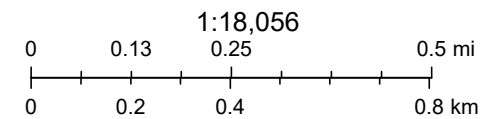
## NAPP2414132464 | SOUTHEAST MALJAMAR GB/SA UNIT #909



5/21/2024, 2:18:48 PM

GIS WATERS PODs

- Pending ● Plugged  
● Active ●



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

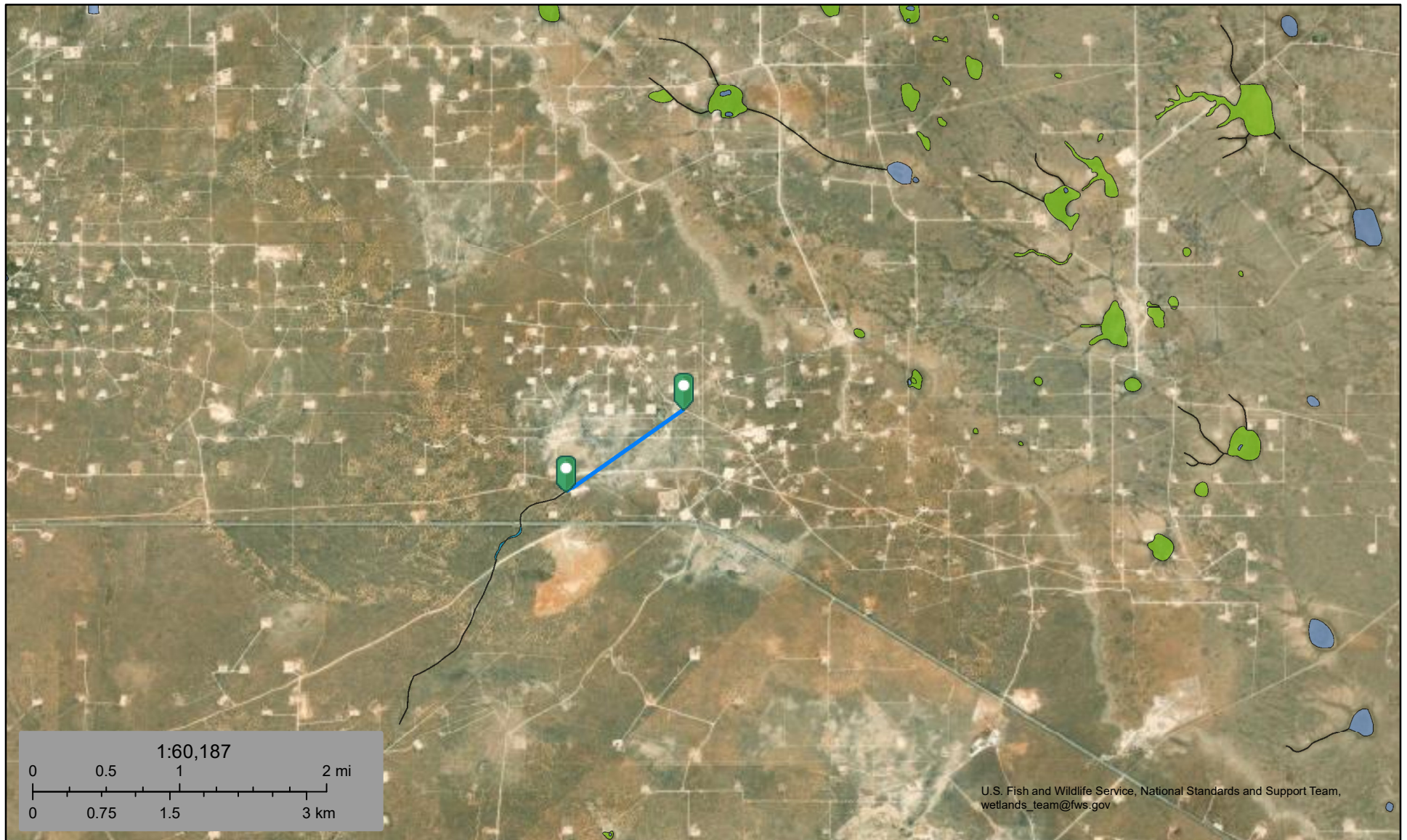
Online web user

This is an unofficial map from the OSE's online application.





NAPP2414132464 | SOUTHEAST MALJAM



May 21, 2024

**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°41'22"W 32°48'11"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°40'45"W 32°47'40"N

Released to Imaging: 8/15/2024 3:00:35 PM

Basemap Imagery Source: USGS National Map 2023

## 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
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



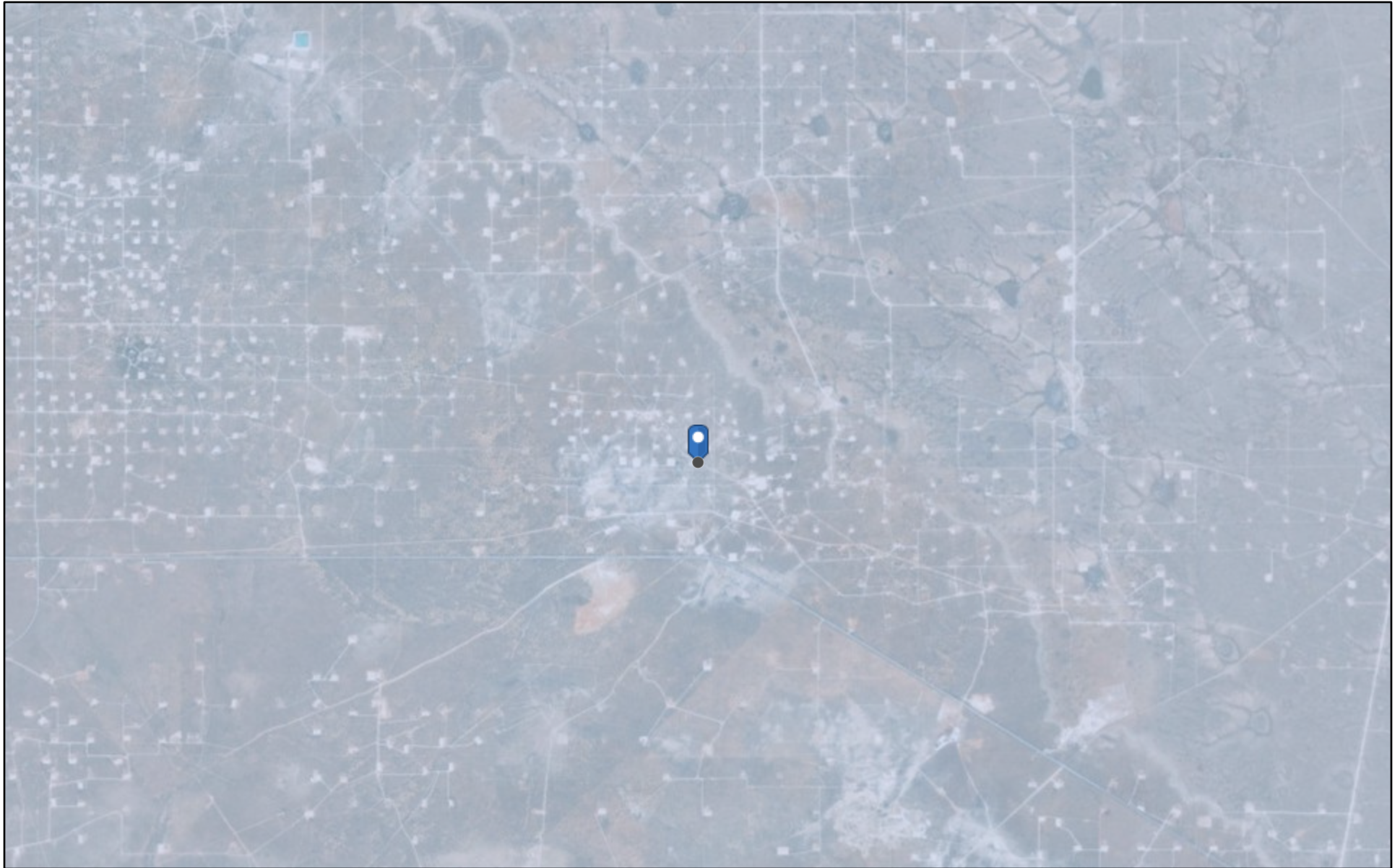
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 5/21/2024 at 4:06 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.

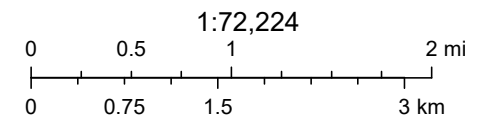
# NAPP2414132464 | SOUTHEAST MALJAMAR GB/SA UNIT #909



5/21/2024, 1:48:56 PM

Karst Occurrence Potential

Low



BLM, OCD, New Mexico Tech, Earthstar Geographics



Soil Map—Lea County, New Mexico  
(NAPP2414132464 | SOUTHEAST MALJAMAR GB/SA UNIT #909)



Soil Map—Lea County, New Mexico  
(NAPP2414132464 | SOUTHEAST MALJAMAR GB/SA UNIT #909)

## 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 20, Sep 6, 2023

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
JA	Jal association	0.3	9.4%
PY	Pyote soils and Dune land	2.9	89.6%
SE	Simona fine sandy loam, 0 to 3 percent slopes	0.0	1.0%
Totals for Area of Interest		3.3	100.0%





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

June 06, 2024

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SEMU 909

Enclosed are the results of analyses for samples received by the laboratory on 05/31/24 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-001.0-00.0-P (H243093-01)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	06/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	06/05/2024	ND	194	97.2	200	0.581	
DRO >C10-C28*	19300	50.0	06/05/2024	ND	182	91.2	200	1.41	
EXT DRO >C28-C36	5220	50.0	06/05/2024	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 576 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-001.0-01.0-P (H243093-02)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1640	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	12.9	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-001.0-04.0-P (H243093-03)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64	
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68	
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85	
Total BTEX	<0.300	0.300	06/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-002.0-00.0-P (H243093-04)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64	
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68	
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85	
Total BTEX	<0.300	0.300	06/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	06/05/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	06/05/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	15400	50.0	06/05/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	4470	50.0	06/05/2024	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 455 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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: 05/31/2024  
 Reported: 06/06/2024  
 Project Name: SEMU 909  
 Project Number: NONE GIVEN  
 Project Location: CROSS TIMBERS-LEA CO., NM

Sampling Date: 05/31/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: DV-002.0-01.0-P (H243093-05)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64	
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68	
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85	
Total BTEX	<0.300	0.300	06/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/05/2024	ND	432	108	400	3.64	

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-002.0-02.0-P (H243093-06)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-003.0-00.0-P (H243093-07)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	102	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	66.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-003.0-01.0-P (H243093-08)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	29.6	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DV-003.0-02.0-P (H243093-09)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64	
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68	
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85	
Total BTEX	<0.300	0.300	06/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/05/2024	ND	432	108	400	3.64	

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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### 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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Mike Snyder".

---

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

[illegible]



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

June 06, 2024

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SEMU 909

Enclosed are the results of analyses for samples received by the laboratory on 05/31/24 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-002.0-01.0-P (H243094-01)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64	
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68	
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85	
Total BTX	<0.300	0.300	06/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-003.0-01.0-P (H243094-02)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91		
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764		
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND						

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-004.0-01.0-P (H243094-03)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-005.0-01.0-P (H243094-04)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-006.0-01.0-P (H243094-05)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	06/05/2024	ND	432	108	400	3.64		

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	06/04/2024	ND	195	97.4	200	1.91		
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764		
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-006.1-01.0-P (H243094-06)**

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	06/04/2024	ND	1.94	97.2	2.00	2.64		
Toluene*	<0.050	0.050	06/04/2024	ND	1.91	95.5	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.77	88.4	2.00	6.68		
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.51	91.8	6.00	6.85		
Total BTEX	<0.300	0.300	06/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	06/05/2024	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	06/04/2024	ND	195	97.4	200	1.91		
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764		
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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:	05/31/2024	Sampling Date:	05/31/2024
Reported:	06/06/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-007.0-01.0-P (H243094-07)**

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	06/04/2024	ND	1.93	96.4	2.00	6.13	
Toluene*	<0.050	0.050	06/04/2024	ND	1.92	96.0	2.00	4.24	
Ethylbenzene*	<0.050	0.050	06/04/2024	ND	1.96	97.9	2.00	3.08	
Total Xylenes*	<0.150	0.150	06/04/2024	ND	5.66	94.3	6.00	2.94	
Total BTEX	<0.300	0.300	06/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/05/2024	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	06/04/2024	ND	195	97.4	200	1.91	
DRO >C10-C28*	<10.0	10.0	06/04/2024	ND	193	96.4	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	06/04/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03      The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For 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		BILL TO		ANALYSIS REQUEST									
Project Manager: Dan Dunkelberg		P.O. #:											
Address: 8426 N Dal Paso		Company:	Cross Timbers Energy										
City: Hobbs		Attn:	Kevin Bennett										
State: NM Zip: 88241		Address:											
Phone #: _____		City:											
Project #: _____		State:											
Project Name: SEMU 909		Zip:											
Project Location: Lea Co., NM		dan@trinityoilfieldservices.com											
Sample Name: GM		Phone #:											
Fax #:													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE													
	DH-002,0-01,0-P	G 1	X								5/31/2024		X	X	X						
	DH-003,0-01,0-P	G 1	X								5/31/2024		X	X	X						
	DH-004,0-01,0-P	G 1	X								5/31/2024		X	X	X						
	DH-005,0-01,0-P	G 1	X								5/31/2024		X	X	X						
	DH-006,0-01,0-P	G 1	X								5/31/2024		X	X	X						
	DH-006,1-01,0-P	G 1	X								5/31/2024		X	X	X						
	DH-007,0-01,0-P	G 1	X								5/31/2024		X	X	X						

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Relinquished By: _____	Date: 5-31-24	Received By: C. Davis	Verbal Result: Yes No	Add'l Phone #:
Relinquished By: _____	Date: 10-24	Received By: _____	All Results are emailed. Please provide Email address:	
REMARKS:				

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	4.1		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	AP	Thermometer ID #140	Rush <input checked="" type="checkbox"/>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
					Correction Factor 0 °C		Observed Temp. °C
							Corrected Temp. °C

+ Cardinal cannot accept verbal changes. Please email changes to c.davis@cardinal-lab.com.



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

June 07, 2024

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SEMU 909

Enclosed are the results of analyses for samples received by the laboratory on 06/04/24 15:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	06/04/2024	Sampling Date:	06/03/2024
Reported:	06/07/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-001.0-01.0-P (H243159-01)**

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	06/06/2024	ND	1.71	85.6	2.00	3.04	
Toluene*	<0.050	0.050	06/06/2024	ND	1.80	90.0	2.00	1.69	
Ethylbenzene*	<0.050	0.050	06/06/2024	ND	1.88	94.0	2.00	1.88	
Total Xylenes*	<0.150	0.150	06/06/2024	ND	5.67	94.5	6.00	1.93	
Total BTEX	<0.300	0.300	06/06/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/07/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2024	ND	179	89.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	06/06/2024	ND	172	86.1	200	5.20	
EXT DRO >C28-C36	22.8	10.0	06/06/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	06/04/2024	Sampling Date:	06/03/2024
Reported:	06/07/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-001.1-01.0-P (H243159-02)**

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	06/06/2024	ND	1.71	85.6	2.00	3.04	
Toluene*	<0.050	0.050	06/06/2024	ND	1.80	90.0	2.00	1.69	
Ethylbenzene*	<0.050	0.050	06/06/2024	ND	1.88	94.0	2.00	1.88	
Total Xylenes*	<0.150	0.150	06/06/2024	ND	5.67	94.5	6.00	1.93	
Total BTEX	<0.300	0.300	06/06/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/07/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2024	ND	179	89.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	06/05/2024	ND	172	86.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For 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:	06/04/2024	Sampling Date:	06/03/2024
Reported:	06/07/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-008.0-01.0-P (H243159-03)**

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	06/06/2024	ND	1.71	85.6	2.00	3.04		
Toluene*	<0.050	0.050	06/06/2024	ND	1.80	90.0	2.00	1.69		
Ethylbenzene*	<0.050	0.050	06/06/2024	ND	1.88	94.0	2.00	1.88		
Total Xylenes*	<0.150	0.150	06/06/2024	ND	5.67	94.5	6.00	1.93		
Total BTEX	<0.300	0.300	06/06/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	06/07/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2024	ND	179	89.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	06/05/2024	ND	172	86.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Mike Snyder For 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:	06/04/2024	Sampling Date:	06/03/2024
Reported:	06/07/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-009.0-01.0-P (H243159-04)**

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	06/06/2024	ND	1.71	85.6	2.00	3.04		
Toluene*	<0.050	0.050	06/06/2024	ND	1.80	90.0	2.00	1.69		
Ethylbenzene*	<0.050	0.050	06/06/2024	ND	1.88	94.0	2.00	1.88		
Total Xylenes*	<0.150	0.150	06/06/2024	ND	5.67	94.5	6.00	1.93		
Total BTEX	<0.300	0.300	06/06/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/07/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/05/2024	ND	179	89.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	06/05/2024	ND	172	86.1	200	5.20		
EXT DRO >C28-C36	<10.0	10.0	06/05/2024	ND						

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Mike Snyder For 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:	06/04/2024	Sampling Date:	06/03/2024
Reported:	06/07/2024	Sampling Type:	Soil
Project Name:	SEMU 909	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	CROSS TIMBERS-LEA CO., NM		

**Sample ID: DH-010.0-01.0-P (H243159-05)**

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	06/06/2024	ND	1.71	85.6	2.00	3.04		
Toluene*	<0.050	0.050	06/06/2024	ND	1.80	90.0	2.00	1.69		
Ethylbenzene*	<0.050	0.050	06/06/2024	ND	1.88	94.0	2.00	1.88		
Total Xylenes*	<0.150	0.150	06/06/2024	ND	5.67	94.5	6.00	1.93		
Total BTEX	<0.300	0.300	06/06/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/07/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2024	ND	179	89.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	06/05/2024	ND	172	86.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	06/05/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS

Action 361089

QUESTIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:
	298299
	Action Number:
	361089
Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414132464
Incident Name	NAPP2414132464 SOUTHEAST MALJAMAR GB/SA UNIT #909 @ 30-025-37386
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-37386] SOUTHEAST MALJAMAR GB/SA UNIT #909

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SOUTHEAST MALJAMAR GB/SA UNIT #909
Date Release Discovered	05/14/2024
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	Cause: Corrosion   Flow Line - Production   Crude Oil   Released: 2 BBL   Recovered: 1 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Produced Water   Released: 7 BBL   Recovered: 5 BBL   Lost: 2 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)	Not answered.

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QUESTIONS, Page 2

Action 361089

**QUESTIONS (continued)**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:
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Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

**QUESTIONS**

Nature and Volume of Release (continued)	
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: Samanntha Avarello Title: EHS Coordinator Email: savarello@txoenergy.com Date: 05/29/2024
--	--



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QUESTIONS, Page 3

Action 361089

**QUESTIONS (continued)**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:	298299
	Action Number:	361089
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS****Site Characterization**

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 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	No

**Remediation Plan**

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.

Requesting a remediation plan approval with this submission	Yes
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.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	12400
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	24520
GRO+DRO	(EPA SW-846 Method 8015M)	19300
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	09/30/2024
On what date will (or did) the final sampling or liner inspection occur	09/30/2024
On what date will (or was) the remediation complete(d)	12/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	6233
What is the estimated volume (in cubic yards) that will be reclaimed	726
What is the estimated surface area (in square feet) that will be remediated	6233
What is the estimated volume (in cubic yards) that will be remediated	240

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.

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.

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QUESTIONS, Page 4

Action 361089

**QUESTIONS (continued)**

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	Action Number:	361089
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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	<a href="#">Sundance Services, Inc [fKJ1600527371]</a>
<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: <a href="#">Dan Dunkelberg</a> Title: <a href="#">Consultant</a> Email: <a href="mailto:dan@trinityoilfieldservices.com">dan@trinityoilfieldservices.com</a> Date: <a href="#">07/26/2024</a>
<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 361089

QUESTIONS (continued)

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	Action Number:  361089
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 361089

QUESTIONS (continued)

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	Action Number: 361089
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No



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CONDITIONS  
  
Action 361089

CONDITIONS

Operator:  CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:  298299
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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The remediation plan is conditionally approved. The variance request to classify the lease road as "on-pad" is denied. The lease road is off pad and is subject to remediation and reclamation standards with the exception of reseeding. Please remediate, reclamate and restore the area of concern back to the state that existed prior to the incident.	8/15/2024