

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2312137141
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	CROSS TIMBERS ENERGY, LLC	OGRID	298299
Contact Name	SAMANNTHA AVARELLO	Contact Telephone	817-334-7747
Contact email	SAVARELLO@TXOENERGY.COM	Incident # (assigned by OCD)	nAPP2312137141
Contact mailing address	400 W 7TH STREET, FORT WORTH, TX 76102		

Location of Release Source

Latitude 32.805866 Longitude -103.531935  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Bridges State 504 Flowline	Site Type	FLOWLINE
Date Release Discovered	04-29-2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
J	26	17S	34E	LEA

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: )

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1	Volume Recovered (bbls) .75
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 9	Volume Recovered (bbls) 8
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

CORROSION ON STEEL LINE

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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	
<p>NOR SUBMITTED ONLINE</p>	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>SAMANNTHA AVARELLO</u>	Title: <u>EHS COORDINATOR</u>
Signature: <u><i>Samanntha Avarello</i></u>	Date: <u>05/01/2023</u>
email: <u>SAVARELLO@TXOENERGY.COM</u>	Telephone: <u>817-334-7747</u>
<b><u>OCD Only</u></b>	
Received by: <u>Shelly Wells</u>	Date: <u>7/31/2023</u>

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## Site Assessment/Characterization

*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?	>105 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Oil Conservation Division

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Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Shelly Wells Date: 8/4/2023



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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: SAMANNTHA AVARELLO Title: EHS COORDINATOR  
Signature: Samanntha Avarello Date: 08/04/2023  
email: SAVARELLO@TXOENERGY.COM Telephone: 817-334-7747

**OCD Only**

Received by: Shelly Wells Date: 8/4/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Facility ID	
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## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Shelly Wells Date: 8/4/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 11/06/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

# Trinity Oilfield Services & Rentals, LLC



August 1<sup>st</sup>, 2023

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

Re: **Closure Request**  
**Bridges State 504 Flowline**  
**Tracking #: NAPP2312137141**

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

Site Information	
Incident ID	NAPP2312137141
Site Name	Bridges State 504 Flowline
Company	Cross Timbers Energy, LLC
County	Lea
ULSTR	J-26-17S-34E
GPS Coordinates (NAD 83)	32.805866, -103.531935
Landowner	State

## RELEASE BACKGROUND

On 5/1/2023, Cross Timbers Energy, LLC reported a release at the Bridges State 504 Flowline. The release was caused by corrosion on a steel line. Approximately 1,494 sqft. of the Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	4/29/2023
Type of Release	Crude Oil and Produced Water
Source of Release	Corrosion
Volume Released – Produced Water	9 bbls
Volume Recovered – Produced Water	8 bbls
Volume Released – Crude Oil	1 bbls
Volume Recovered – Crude Oil	1 bbls
Affected Area – Damp Soil	Pasture - Approximately 1,494 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	L-02724	3/31/2023	108'
USGS	NA	NA	NA
Soil Bore	DTW 4	2/6/2023	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 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.

On 2/6/2022, Kane Environmental Engineering along with Scarborough Drilling installed a borehole near Buckeye New Mexico to determine the depth to water on behalf of Cross Timbers Energy. The borehole was left open for over 96 hours and checked for the presence of groundwater. As a result, no water was detected at 105' below surface at the borehole location (32.80587, -103.52021). 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	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	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 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:**

<b>Delineation Summary</b>	
Delineation Dates	05/10/2023 & 07/12/2023
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	7/12/2023
Workplan Approval	At Risk
Liner Variance Request	None
Deferral Request	None
Depths Excavated	4'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	222 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 200 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 were restored to a condition that existed before the release to the extent practicable. The affected area was 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.

**REQUEST FOR CLOSURE**

Supporting Documentation	
C-141  page 6	Signed and Attached
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 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**  
**BRIDGES STATE 504 FLOWLINE**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2312137141**



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	5/10/2023	Vertical	Off-Site	Grab	In-Situ	70,400	117.10	84.30	<10.0	84.30	32.80	<10.0	<10.0
DV-001.0-01.0-P	1	5/10/2023	Vertical	Off-Site	Grab	In-Situ	6,530	5,115.90	4,085.90	75.90	4,010.00	1,030.00	2.30	0.10
DV-001.0-04.0-P	4	7/12/2023	Vertical	Off-Site	Grab	In-Situ	1,600	<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	5/10/2023	Horizontal	Off-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-002.0-01.0-P	1	5/10/2023	Horizontal	Off-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-003.0-01.0-P	1	5/10/2023	Horizontal	Off-Site	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-004.0-01.0-P	1	5/10/2023	Horizontal	Off-Site	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

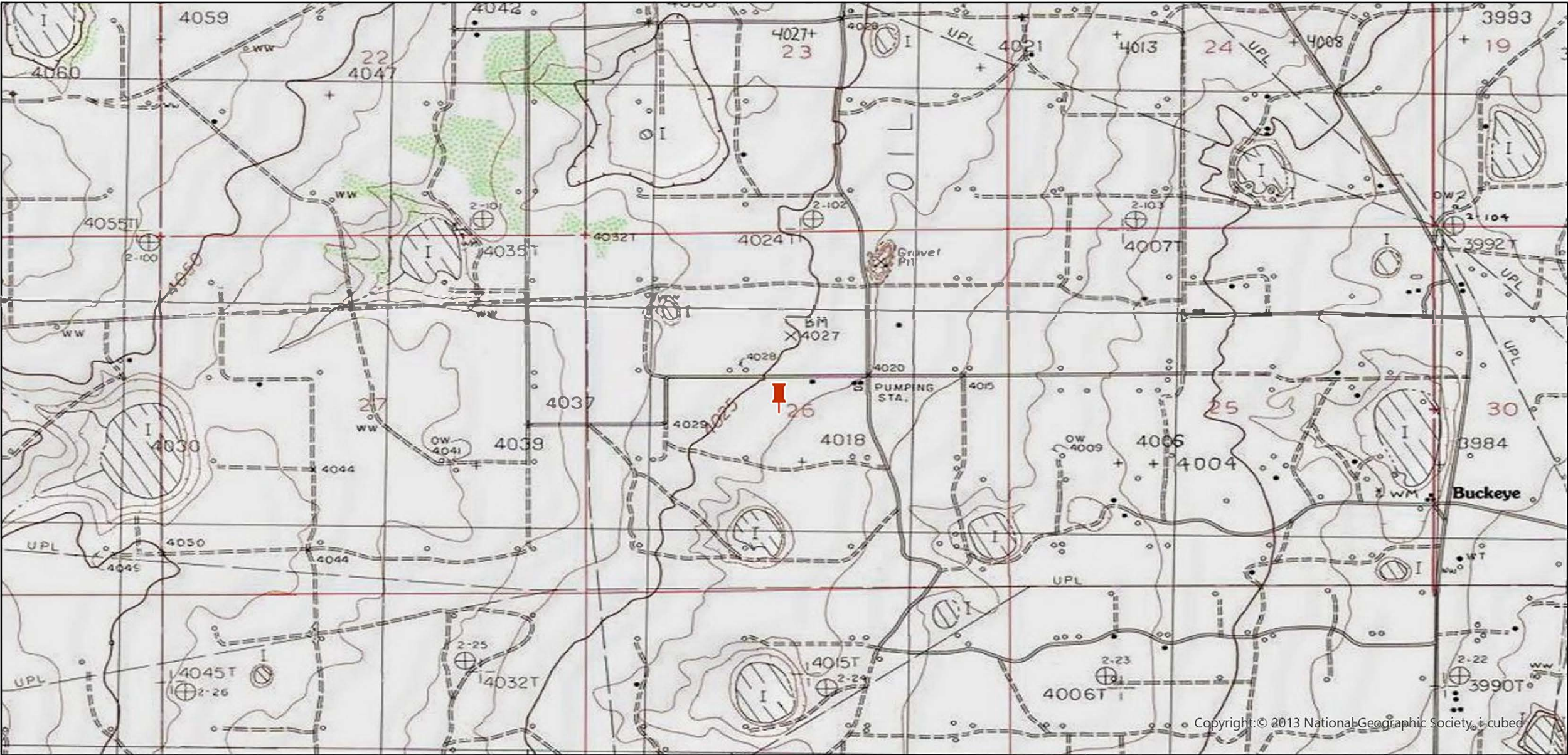
**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**CROSS TIMBERS ENERGY, LLC**  
**BRIDGES STATE 504 FLOWLINE**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2312137141**



SAMPLE LOCATION	SAMPLE DEPTH (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>20000</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-001.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	2,320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	864.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-004.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	896.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	544.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-006.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	592.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-007.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	544.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-008.0-04.0-P	4	7/12/2023	Floor	Off-Site	Composite	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
<b>Remediation Walls</b>														
CW-001.0-02.0-P	2	7/12/2023	Wall	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-002.0-02.0-P	2	7/12/2023	Wall	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-003.0-02.0-P	2	7/12/2023	Wall	Off-Site	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50



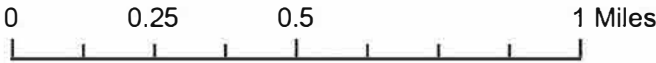


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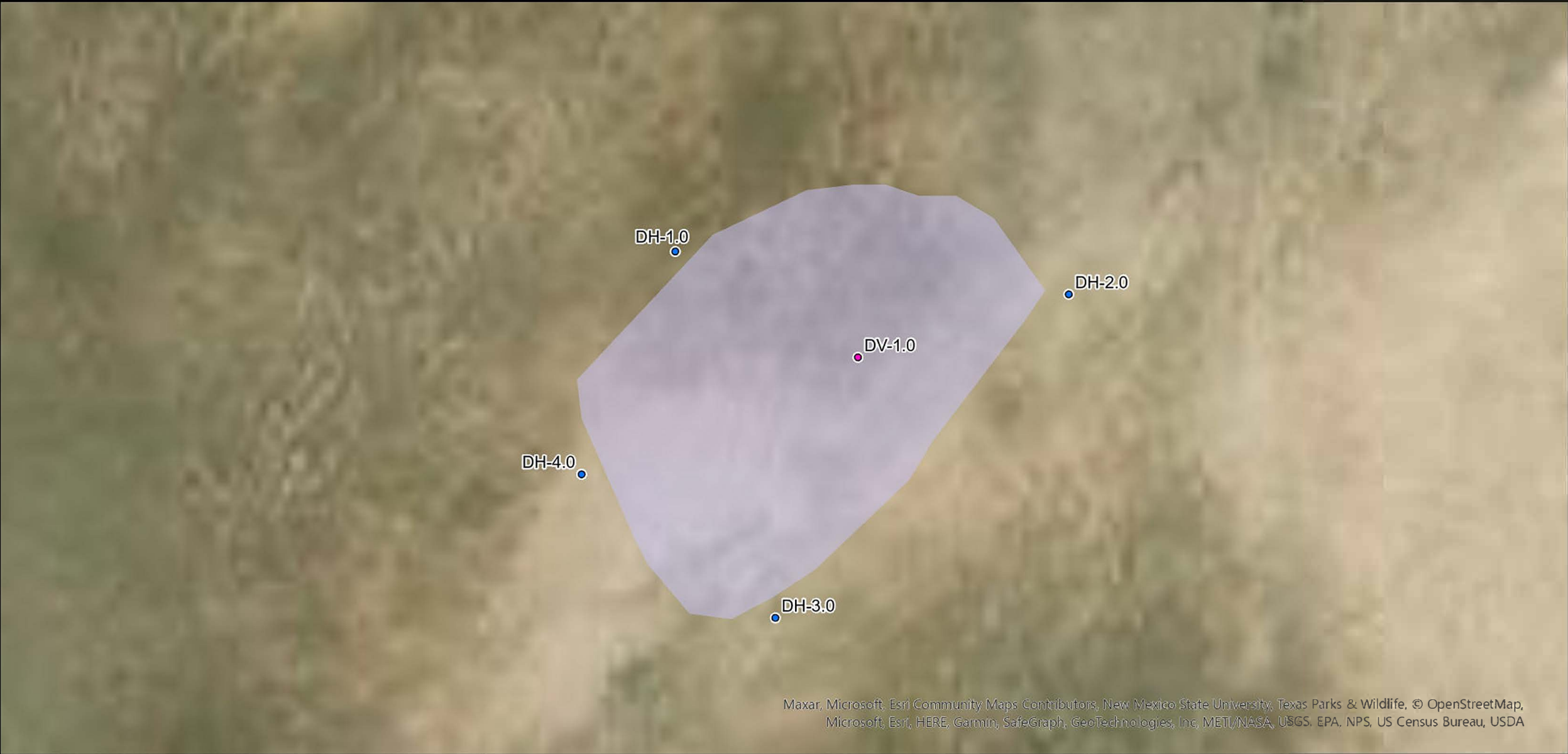
**Legend:**

 Site Location

**Site Location Map**  
**Cross Timbers Energy, LLC**  
**Bridges State 504 Flowline**  
**Lea County, New Mexico**  
**32.805866, -103.531935**  
**NMOCD Reference # NAPP2312137141**





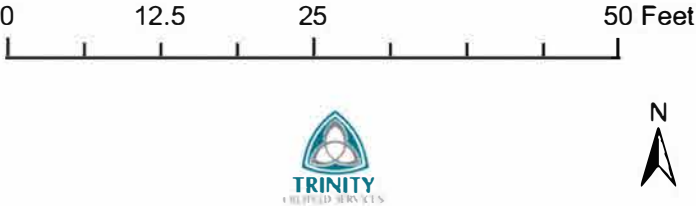


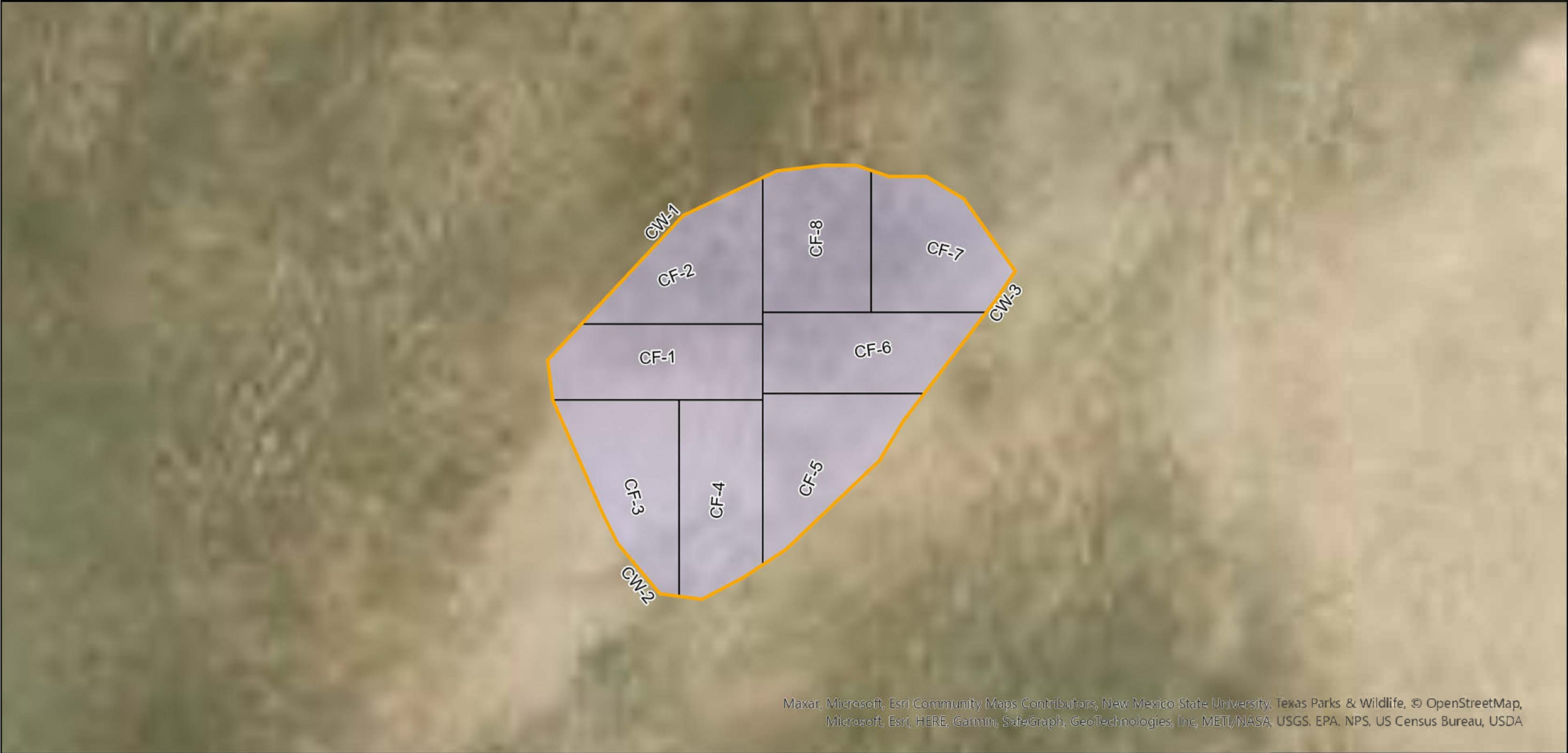
Maxar, Microsoft, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

**Legend:**

- Vertical Delineation
- Horizontal Delineation
- Release Area

**Delineation Map**  
**Cross Timbers Energy, LLC**  
**Bridges State 504 Flowline**  
**Lea County, New Mexico**  
**32.805866, -103.531935**  
**NMOCD Reference # NAPP2312137141**





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**Legend:**

- Remediation Wall
- Remediation Floor
- Excavation Area

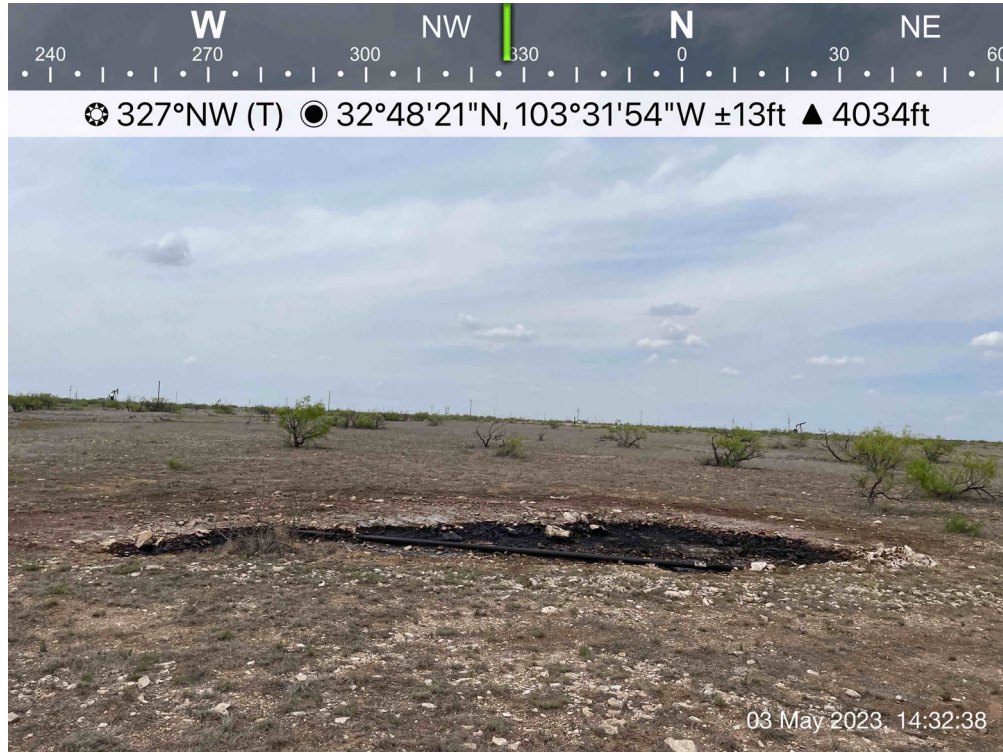
**Remediation Map**  
**Cross Timbers Energy, LLC**  
**Bridges State 504 Flowline**  
**Lea County, New Mexico**  
**32.805866, -103.531935**  
**NMOCD Reference # NAPP2312137141**





## Initial Release

Pasture:



Pasture:







## Initial Release

Pasture:



Pasture:





## Excavation

Pasture:



Pasture:







## Excavation

Pasture:



Pasture:





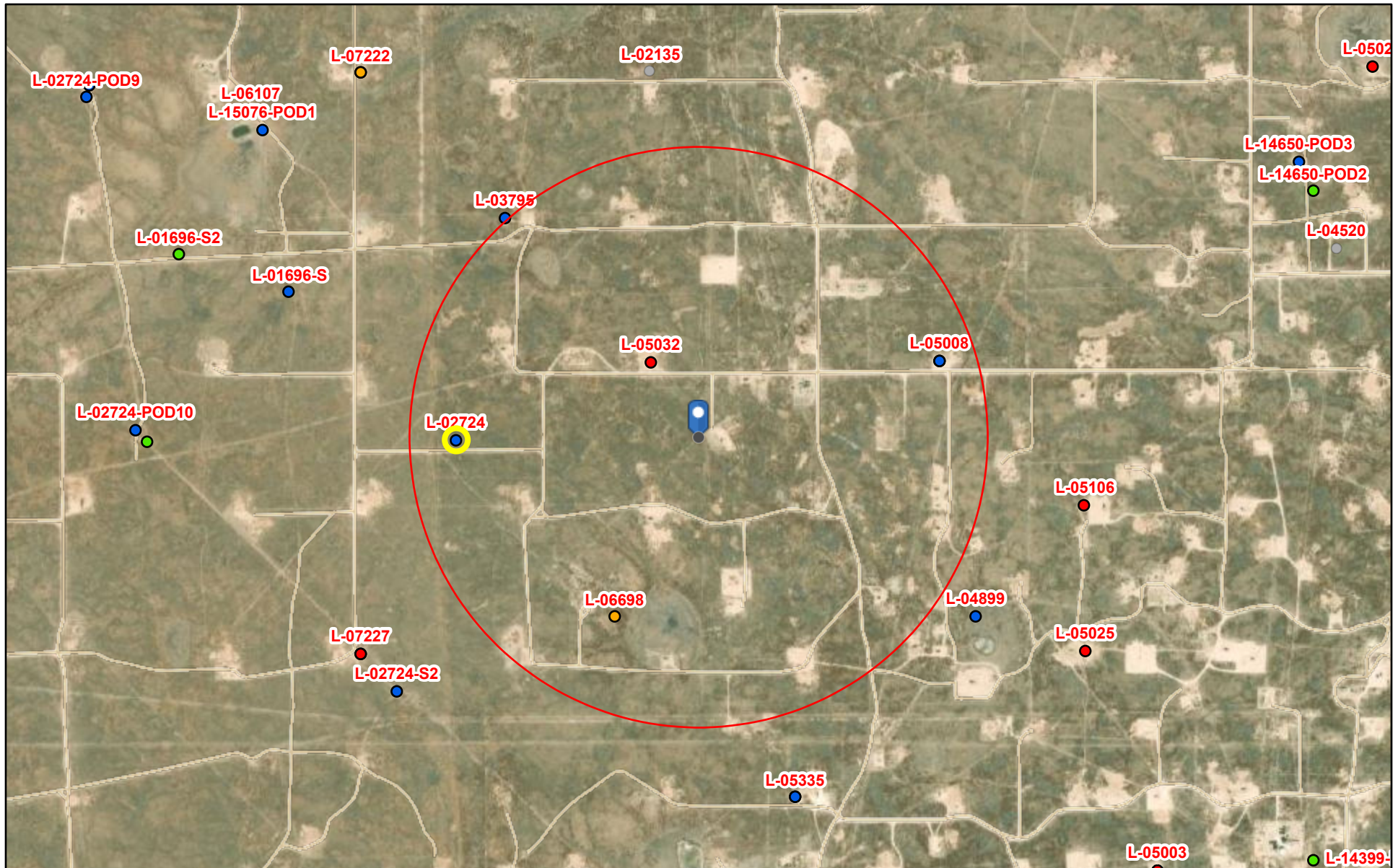
## Excavation

Pasture:





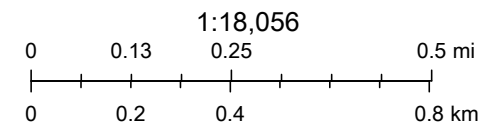
## NAPP2312137141 | BRIDGES STATE 504 FLOWLINE



5/3/2023, 9:46:34 AM

GIS WATERS PODs

- Active
- Pending
- Plugged
- Capped
- 




Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Web Generated Map  
Map is generated by web users.



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 02724	2	2	3	27	17S	34E	636773	3630702 
<hr/>									
Driller License:	46	Driller Company:				ABBOTT BROTHERS COMPANY			
Driller Name:	MURRELL ABBOTT								
Drill Start Date:	07/28/1967	Drill Finish Date:				08/02/1967	Plug Date:		
Log File Date:	08/11/1967	PCW Rev Date:				01/22/1968	Source:		Shallow
Pump Type:	TURBIN	Pipe Discharge Size:				Estimated Yield:			
Casing Size:	14.00	Depth Well:				245 feet	Depth Water:		108 feet

<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>
		108	111	Sandstone/Gravel/Conglomerate
		111	146	Sandstone/Gravel/Conglomerate
		146	221	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>		<b>Top</b>	<b>Bottom</b>
		127	221

<b>Meter Number:</b>	8863	<b>Meter Make:</b>	HERSEY
<b>Meter Serial Number:</b>	510927	<b>Meter Multiplier:</b>	1000.0000
<b>Number of Dials:</b>	6	<b>Meter Type:</b>	Diversion
<b>Unit of Measure:</b>	Gallons	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>		<b>Reading Frequency:</b>	Monthly

### Meter Readings (in Acre-Feet)

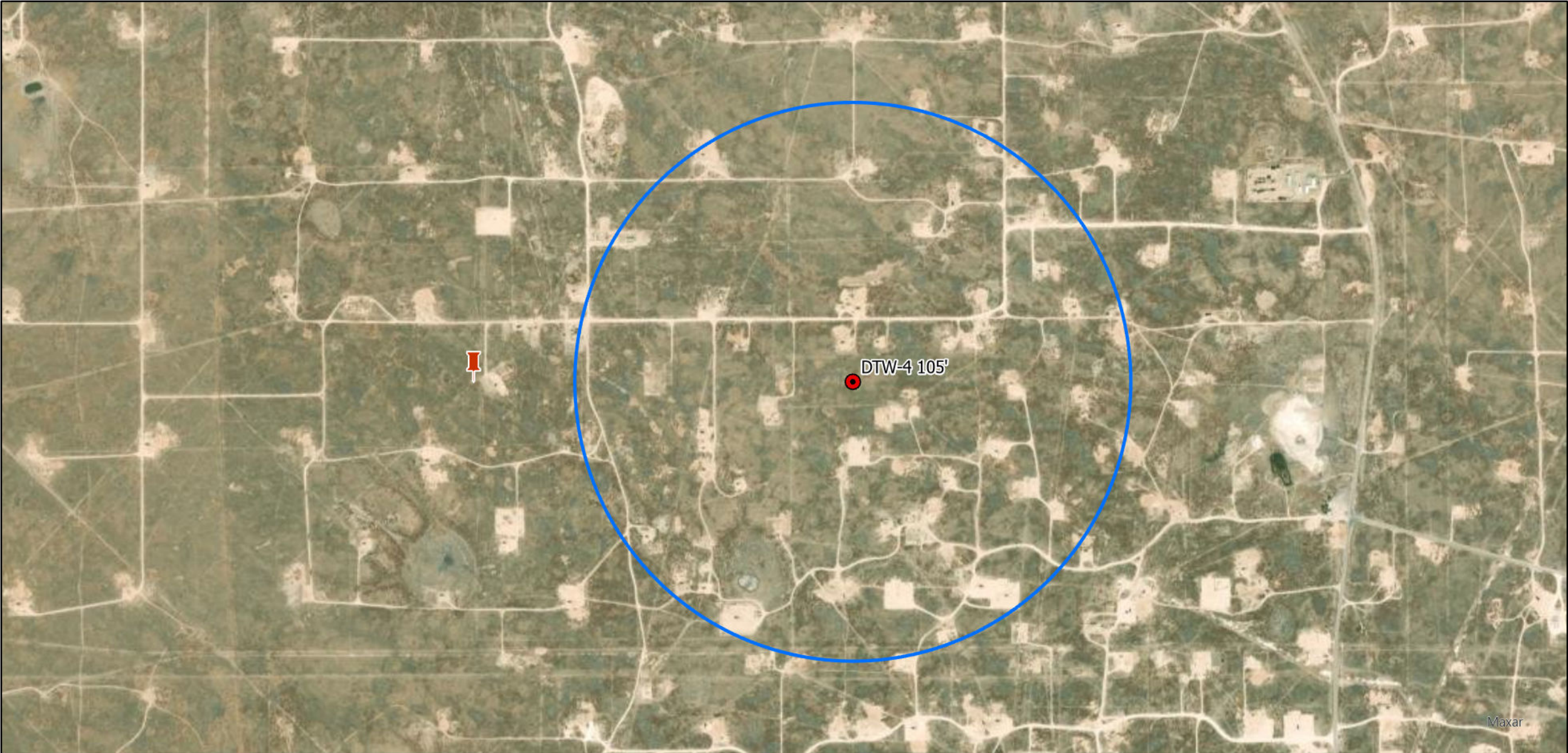
Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
03/27/2005	2005	920223	A	jw		0
07/11/2005	2005	3889	R	jw	Meter Rollover	25.676
10/10/2005	2005	189153	A	jw		56.855
12/27/2005	2005	367525	A	RPT		54.740
03/27/2006	2006	552918	A	RPT		56.895
10/31/2019	2019	362614	A	dd		0
01/31/2020	2020	372255	A	dd		29.587
03/31/2020	2020	378644	A	dd		19.607
04/30/2020	2020	379866	A	dd		3.750
05/31/2020	2020	379866	A	dd		0
08/31/2020	2020	387807	A	dd		24.370
09/30/2020	2020	390118	A	dd		7.092
10/31/2020	2020	393514	A	dd		10.422
11/30/2020	2020	396786	A	dd		10.041
12/31/2020	2020	400032	A	dd		9.962
02/28/2021	2021	405696	A	dd		17.382
03/31/2021	2021	408874	A	dd		9.753
04/30/2021	2021	411912	A	dd		9.323

05/31/2021	2021	412664	A	dd	2.308
06/30/2021	2021	413915	A	dd	3.839
07/31/2021	2021	416592	A	dd	8.215
10/31/2021	2021	425131	A	dd	26.205
11/30/2021	2021	428418	A	dd	10.087
12/31/2021	2021	431734	A	dd	10.176
01/31/2022	2022	434944	A	dd	9.851
02/28/2022	2022	437802	A	dd	8.771
03/31/2022	2022	440942	A	dd	9.636
04/30/2022	2022	443979	A	dd	9.320
05/31/2022	2022	447034	A	dd	9.375
06/30/2022	2022	447034	A	dd	0
08/31/2022	2022	453586	A	dd	20.107
09/30/2022	2022	457226	A	dd	11.171
10/31/2022	2022	461173	A	dd	12.113
11/30/2022	2022	465076	A	dd	11.978
12/31/2022	2022	468714	A	dd	11.165
01/31/2023	2023	472843	A	dd	12.671
02/28/2023	2023	476582	A	RPT	11.475
03/31/2023	2023	480808	A	RPT	12.969




<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2005	137.271
	2006	56.895
	2019	0
	2020	114.831
	2021	97.288
	2022	113.487
	2023	37.115

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





**Legend:**

-  Site Location
-  Depth to Water Bore Hole
-  1/2 Mile Buffer

**Depth to Water Map**  
**Cross Timbers Energy, LLC**  
**Bridges State 504 Flowline**  
**Lea County, New Mexico**  
**32.805866, -103.531935**  
**NMOCD Reference # NAPP2312137141**







MN  
6.49

<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 4 KANE REP: J. Rosen DRILLING METHOD: Coventional Rotary SAMPLING METHODS: Air Rotary Cuttings TOP CSG ELEV:    GRND. ELEV:		<b>Piezometer DTW 4</b>			
START/END: February 6, 2023		DRILLER: Scarborough Drilling: License 2969AKP 3068AKP NM License: WD-1188			
5" borehole with tricone bit		LATITUDE: 32.80587 N		LONGITUDE: -103.52021 W	
	CASING	DEPTH IN FEET	SOIL AND DRILLING DESCRIPTION		
			0 - 1.5' Topsoil, silty fine sand (SM-SP), w/angular pieces of caliche, brown, dry 1.5 - 25' Caliche, white to buff, lithified, hard		
		20	25 - 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		





NAPP2312137141 | BRIDGES STATE 504 FLOWLINE



May 3, 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°32'14"W 32°48'36"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
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.

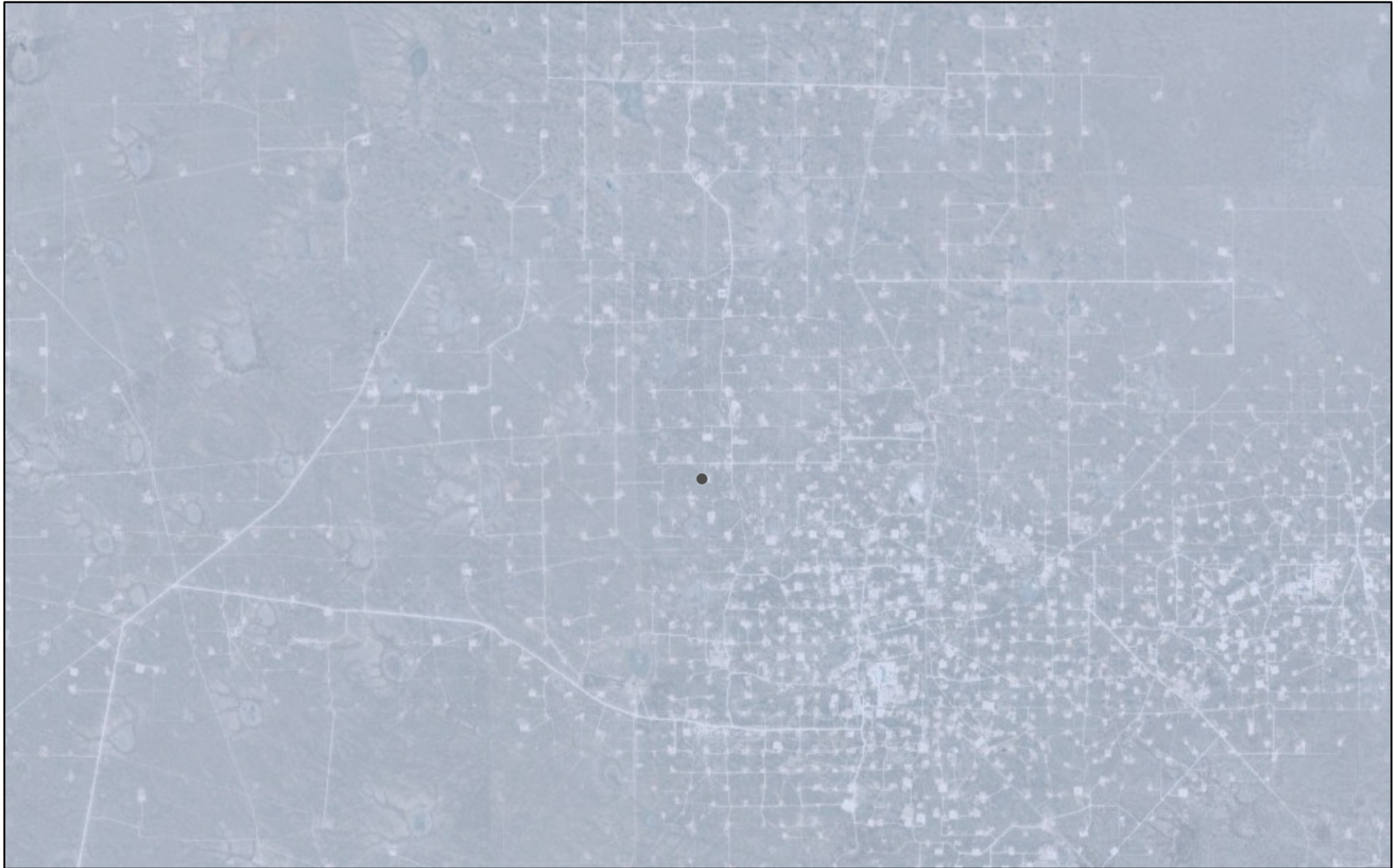
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/19/2023 at 4:26 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.



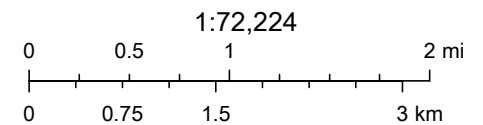
# NAPP2312137141 | BRIDGES STATE 504 FLOWLINE



5/3/2023, 9:49:56 AM

Karst Occurrence Potential

 Low



BLM, OCD, New Mexico Tech, Earthstar Geographics



Soil Map—Lea County, New Mexico  
(NAPP2312137141 | Bridges State 504 Flowline)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

5/3/2023  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(NAPP2312137141 | Bridges State 504 Flowline)

## 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.



**Natural Resources**  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

5/3/2023  
Page 2 of 3

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	16.3	100.0%
Totals for Area of Interest		16.3	100.0%



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

---

May 15, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: BS #504 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 05/10/23 16:10.

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".

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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/15/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DH-001.0-01.0-P (H232335-01)**

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	05/12/2023	ND	2.03	102	2.00	3.77		
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/12/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/15/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DH-002.0-01.0-P (H232335-02)**

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	05/12/2023	ND	2.03	102	2.00	3.77		
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/15/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DH-003.0-01.0-P (H232335-03)**

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	05/12/2023	ND	2.03	102	2.00	3.77		
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/12/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/15/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DH-004.0-01.0-P (H232335-04)**

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	05/12/2023	ND	2.03	102	2.00	3.77		
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/12/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/15/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DV-001.0-00.0-P (H232335-05)**

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	05/12/2023	ND	2.03	102	2.00	3.77		
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43		
Total BTEx	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	70400	16.0	05/12/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	84.3	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	32.8	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/15/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DV-001.0-01.0-P (H232335-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.104</b>	0.050	05/12/2023	ND	2.03	102	2.00	3.77	GC-NC1
<b>Toluene*</b>	<b>0.338</b>	0.050	05/12/2023	ND	2.15	108	2.00	2.38	
<b>Ethylbenzene*</b>	<b>0.313</b>	0.050	05/12/2023	ND	2.24	112	2.00	2.16	
<b>Total Xylenes*</b>	<b>1.55</b>	0.150	05/12/2023	ND	6.56	109	6.00	2.43	GC-NC1
<b>Total BTEX</b>	<b>2.30</b>	0.300	05/12/2023	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6530</b>	16.0	05/12/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>75.9</b>	50.0	05/12/2023	ND	217	109	200	3.13		
<b>DRO &gt;C10-C28*</b>	<b>4010</b>	50.0	05/12/2023	ND	201	101	200	4.96		
<b>EXT DRO &gt;C28-C36</b>	<b>1030</b>	50.0	05/12/2023	ND						

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 186 % 49.1-148

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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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

Page 9 of 9



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July 18, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: BS #504 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 07/12/23 16:27.

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:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-001.0-04.0-P (H233577-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96	
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55	
Total BTEX	<0.300	0.300	07/15/2023	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	240	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-002.0-04.0-P (H233577-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96	
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55	
Total BTEx	<0.300	0.300	07/15/2023	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	2320	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-003.0-04.0-P (H233577-03)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96		
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55		
Total BTX	<0.300	0.300	07/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-004.0-04.0-P (H233577-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96	
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55	
Total BTEx	<0.300	0.300	07/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-005.0-04.0-P (H233577-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96		
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55		
Total BTX	<0.300	0.300	07/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-006.0-04.0-P (H233577-06)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96		
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55		
Total BTX	<0.300	0.300	07/15/2023	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	592	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-007.0-04.0-P (H233577-07)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96		
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55		
Total BTX	<0.300	0.300	07/15/2023	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	544	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CF-008.0-04.0-P (H233577-08)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96		
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55		
Total BTX	<0.300	0.300	07/15/2023	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	208	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CW-001.0-02.0-P (H233577-09)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96	
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55	
Total BTX	<0.300	0.300	07/15/2023	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	32.0	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CW-002.0-02.0-P (H233577-10)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96	
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55	
Total BTX	<0.300	0.300	07/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: CW-003.0-02.0-P (H233577-11)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.13	107	2.00	2.96		
Toluene*	<0.050	0.050	07/15/2023	ND	2.12	106	2.00	0.426		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	4.88		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.22	104	6.00	4.55		
Total BTX	<0.300	0.300	07/15/2023	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	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2023	Sampling Date:	07/12/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	BS #504 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS-LEA COUNTY, NM		

**Sample ID: DV-001.0-04.0-P (H233577-12)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	1.97	98.7	2.00	2.88	
Toluene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	5.35	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	2.03	102	2.00	6.77	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	6.08	101	6.00	8.14	
Total BTX	<0.300	0.300	07/15/2023	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	1600	16.0	07/13/2023	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	07/15/2023	ND	196	97.9	200	5.57	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	204	102	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager

Page 15 of 16



Page 16 of 16

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 248370

CONDITIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 248370
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given on 11/06/2023. Release resolved.	11/6/2023