

Incident ID	NAPP2300550705
District RP	
Facility ID	
Application ID	

## 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: Samanntha Avarello Title: EHS Coordinator  
 Signature: *Samanntha Avarello* Date: 06/27/2023  
 email: savarello@txopartners.com Telephone: 817-334-7747

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: 09/21/2023  
 Printed Name: Nelson Velez Title: Environmental Specialist - Adv

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

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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Incident ID	nAPP2300550705
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## Release Notification

### Responsible Party

Responsible Party	CROSS TIMBERS ENERGY, LLC	OGRID	298299
Contact Name	LAURA STONE	Contact Telephone	575-396-0542
Contact email	LSTONE@MSPARTNERS.COM	Incident # (assigned by OCD)	nAPP2300550705
Contact mailing address	972 NM HWY 238 LOVINGTON, NM 88260		

### Location of Release Source

Latitude 32.839616 Longitude -103.522048  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	NVA 260	Site Type	WELL FLOWLINE
Date Release Discovered	12/25/2022	API# (if applicable)	30-025-28821

Unit Letter	Section	Township	Range	County
O	13	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) 2 BBL	Volume Recovered (bbls) 0 BBL
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10 BBL	Volume Recovered (bbls) 0 BBL
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" 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  
3" METAL FLOWLINE FROZE AND BUSTED 3" COUPLING

Incident ID	nAPP2300550705
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### 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>LAURA STONE</u> Title: <u>ADMIN. ASSISTANT</u> Signature: <u>Laura Stone</u> Date: <u>01/05/2023</u> email: <u>LSTONE@MSPARTNERS.COM</u> Telephone: <u>575-396-0542</u>
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>01/06/2023</u>

Incident ID	NAPP2300550705
District RP	
Facility ID	
Application ID	

## 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?	TBD (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 checked="" type="checkbox"/> Yes <input 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 1/2-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.

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NAPP2300550705
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Printed Name: Samantha Avarello Title: EHS Coordinator

Signature: *Samantha Avarello* Date: 03/24/2023

email: savarello@txoenergy.com Telephone: 817-334-7747

**OCD Only**

Received by: Jocelyn Harimon Date: 04/03/2023

Incident ID	NAPP2300550705
District RP	
Facility ID	
Application ID	

## 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.

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Printed Name: Samanntha Avarello Title: EHS Coordinator  
 Signature: Samanntha Avarello Date: 03/24/2023  
 email: savarello@txoenergy.com Telephone: 817-334-7747

**OCD Only**

Received by: Jocelyn Harimon Date: 04/03/2023

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: Jennifer Nobui Date: 05/08/2023

# Trinity Oilfield Services & Rentals, LLC



June 27<sup>th</sup>, 2023

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

Re: **Closure Request**  
**NVA 260**  
**Tracking #: NAPP2300550705**

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	NAPP2300550705
Site Name	NVA 260
Company	Cross Timbers Energy, LLC
County	Lea
ULSTR	C-13-17S-34E
GPS Coordinates (NAD 83)	32.839616,-103.522048
Landowner	Private

## RELEASE BACKGROUND

On 1/5/2023, Cross Timbers Energy, LLC reported a release at the NVA 260. The release was caused when a 3" metal flowline froze and busted 3" coupling. Approximately 3,324 sqft. of the Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	12/25/2022
Type of Release	Crude Oil and Produced Water
Source of Release	Freeze
Volume Released – Produced Water	10 bbls
Volume Recovered – Produced Water	0 bbls
Volume Released – Crude Oil	2 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pasture - Approximately 3,324 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	NA	NA	NA

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.

**General Site Characterization:**

Site Assessment	
Karst Potential	Low
Distance to Watercourse	194.4 ft. to Wetland
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	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
TPH (GRO and DRO)	NA
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	3/1/2023
Depths Sampled	0' - 2'
Delineation Map	Attached
Laboratory Results	Table 1

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

**Confirmation Activities:**

<b>Remediation Summary</b>	
Remediation Dates	5/12/2023
Workplan Approval	05/08/2023
Confirmation Sample Notification	05/12/2023
Liner Variance Request	None
Deferral Request	None
Depths Excavated	1'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	400 sqft.
Total Volume of Excavated Soil	123 yards
Remediation Map	Attached
Laboratory Results	Table 2

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

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

**SITE RECLAMATION AND RESTORATION**

Areas affected by the release and the associated remediation activities 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**

<b>Supporting Documentation</b>	
C-141  page 6	Signed and Attached
Delineation and Remediation Maps	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*

Dan Dunkelberg  
Project Manager

*Cynthia Jordan*

Cynthia Jordan  
Project Scientist



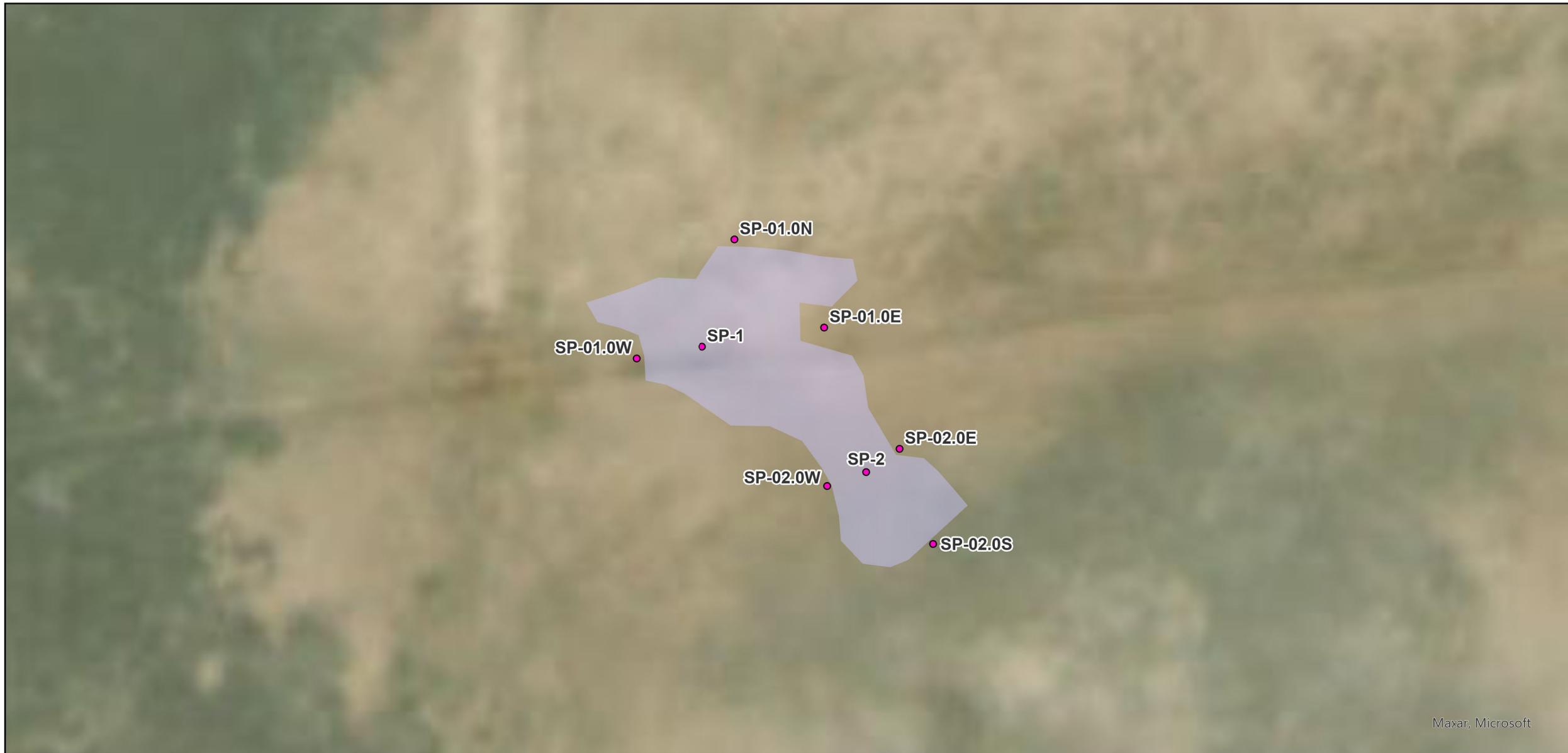
**TABLE 2  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**CROSS TIMBERS ENERGY, LLC  
NVA 260  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAPP2300550705**



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>600</b>	<b>100</b>	<b>NE</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-001.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	96	61.4	61.4	<10.0	61.4	<10.0	<.300	<0.50
CF-003.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-004.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-006.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-007.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	208	26.4	12.4	<10.0	12.4	14	<.300	<0.50
CF-008.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	32	14.4	14.4	<10.0	14.4	<10.0	<.300	<0.50
CF-009.0-01.0-P	1	5/12/2023	Floor	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
<b>Remediation Walls</b>														
CW-001.0-00.5-P	0.5	5/12/2023	Wall	Off-Site	Composite	In-Situ	128	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-002.0-00.5-P	0.5	5/12/2023	Wall	Off-Site	Composite	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50





Maxar, Microsoft

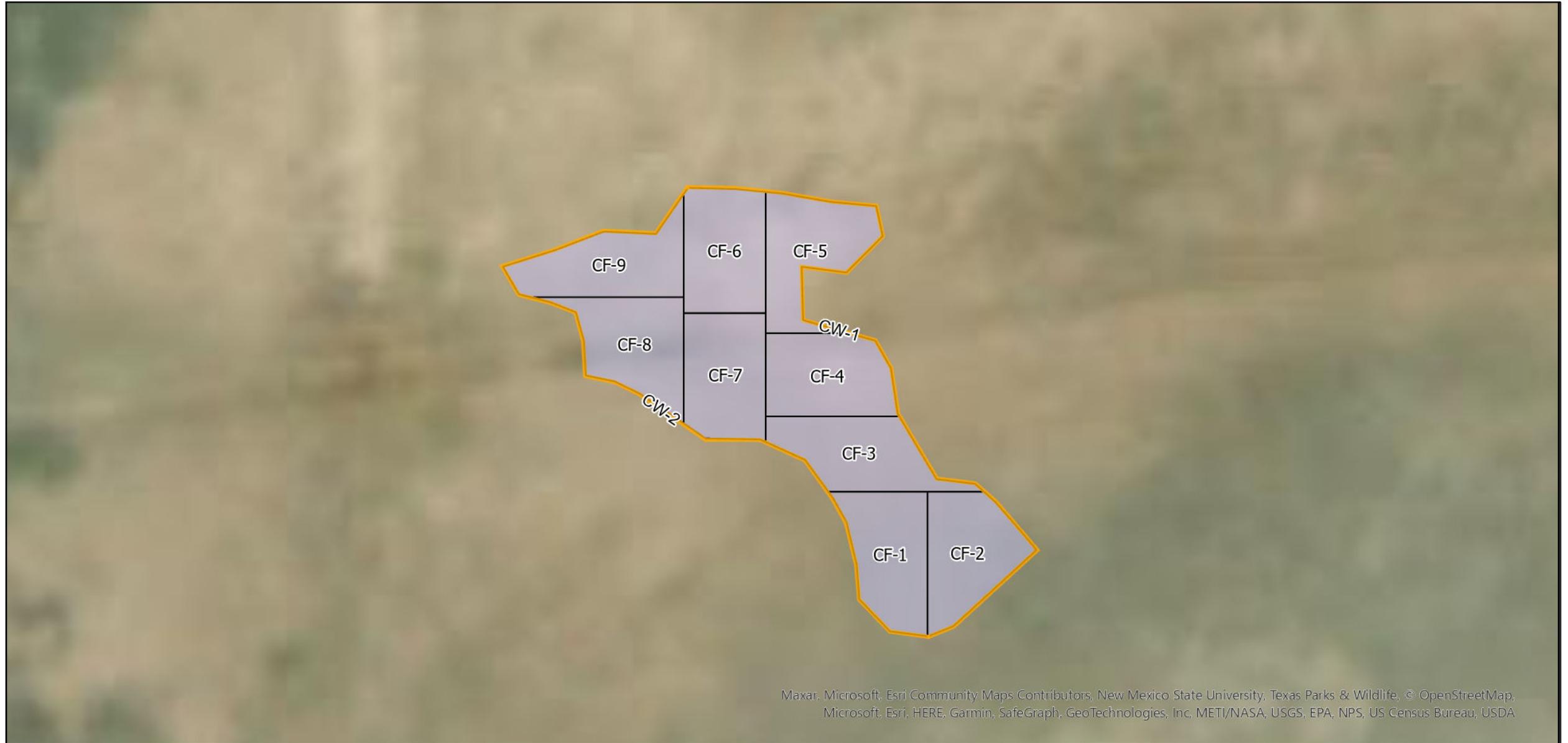
**Legend:**

- Sample Point
- Release Area

**Delineation Map**  
**Cross Timbers Energy, LLC**  
**NVA 260**

**32.839616,-103.5220483**  
**Lea County, New Mexico**  
**NMOCD Reference # NAPP2300550705**





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:**

-  Remediation Walls
-  Remediation Floors
-  Excavation Area

**Remediation Map**  
**Cross Timbers Energy, LLC**  
**NVA 260**  
**32.839616, -103.522048**  
**Lea County, New Mexico**  
**NMOCD Reference #: NAPP2300550705**



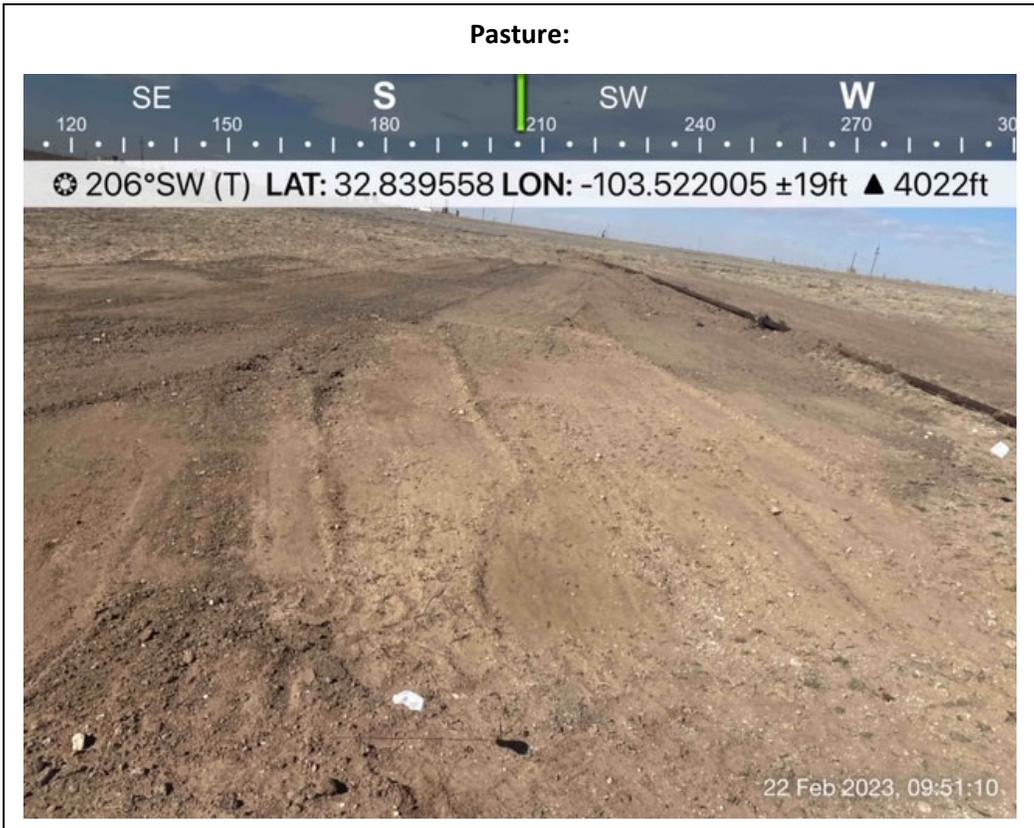
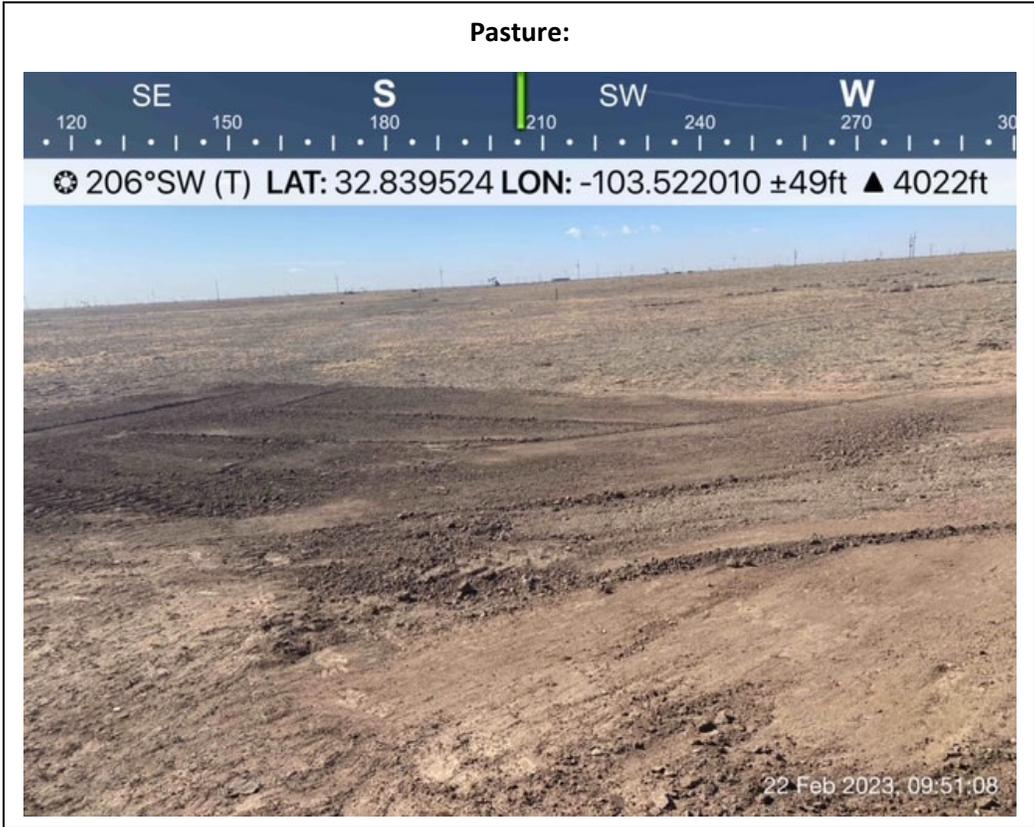


**Initial Release**





**Initial Release**



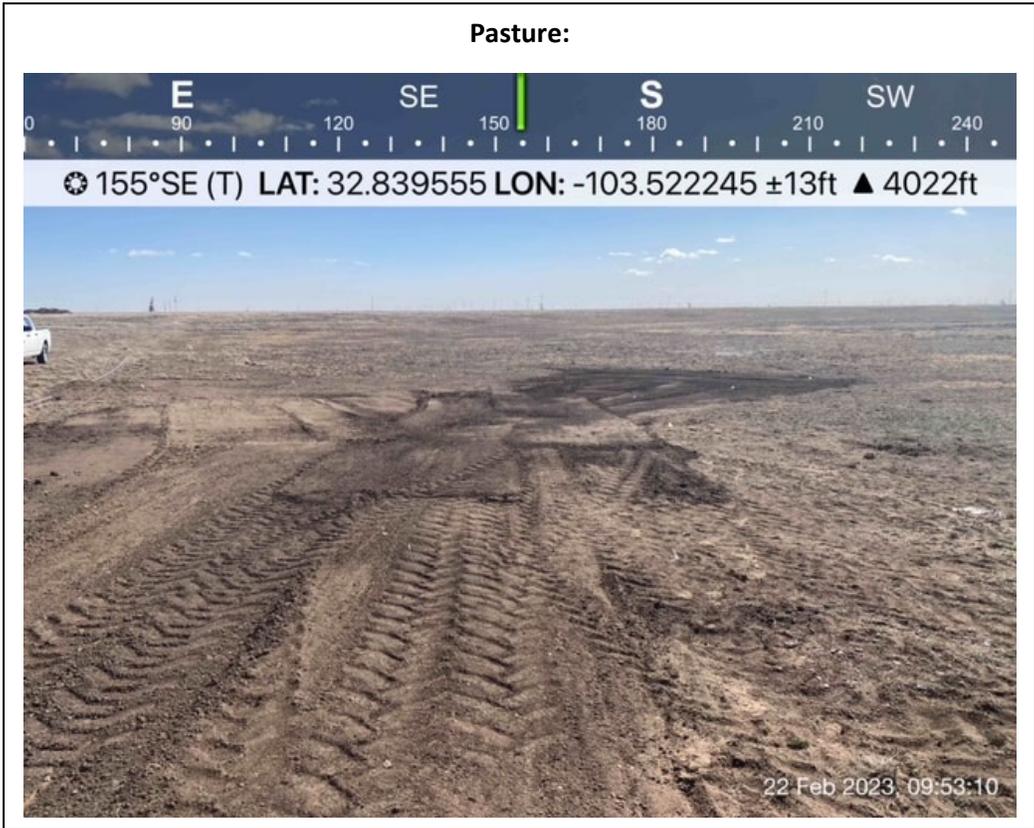
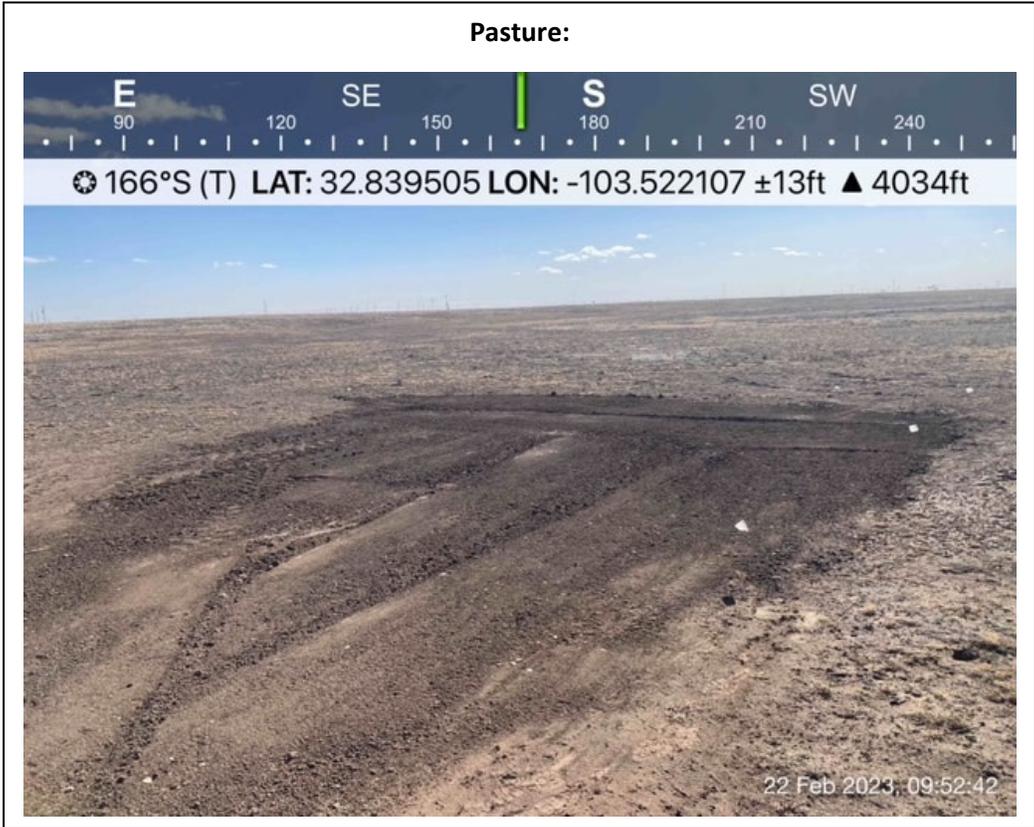


**Initial Release**





**Initial Release**



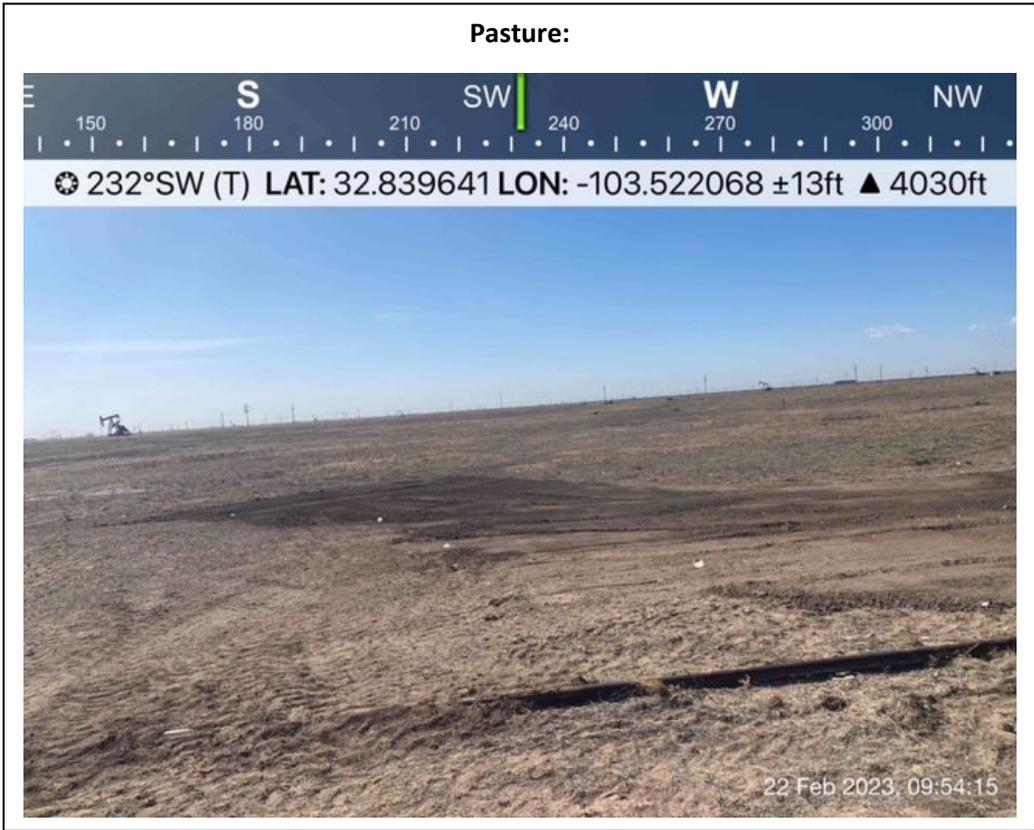
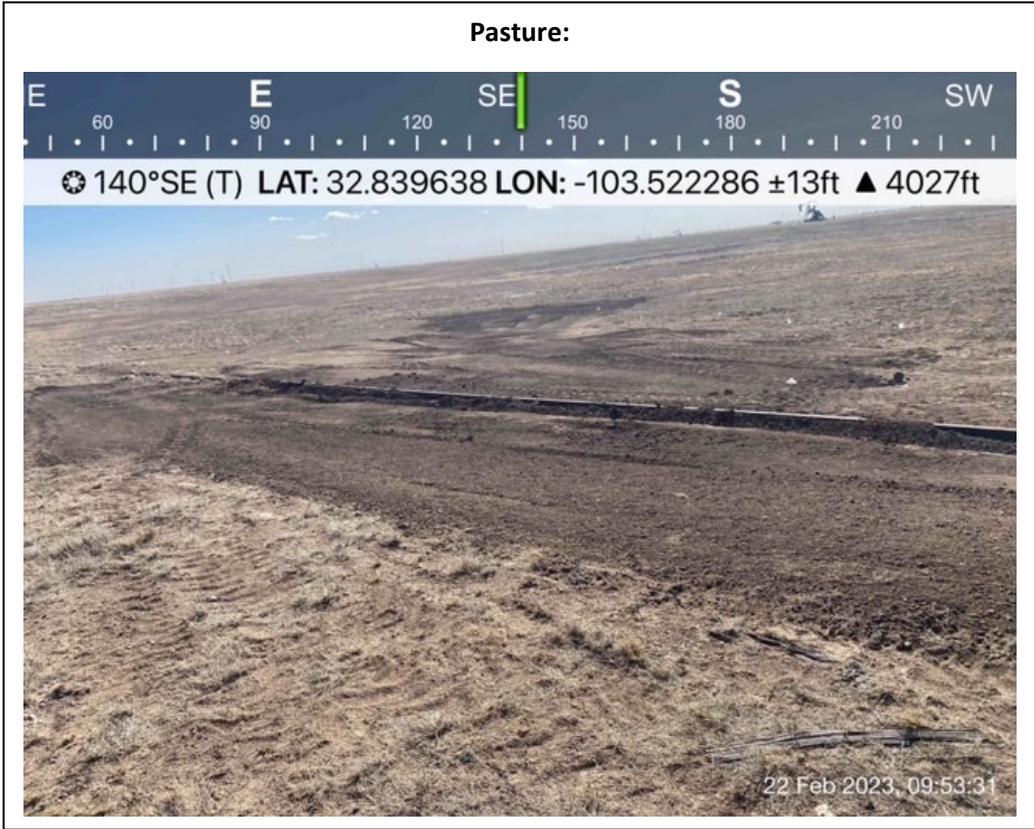


### Initial Release



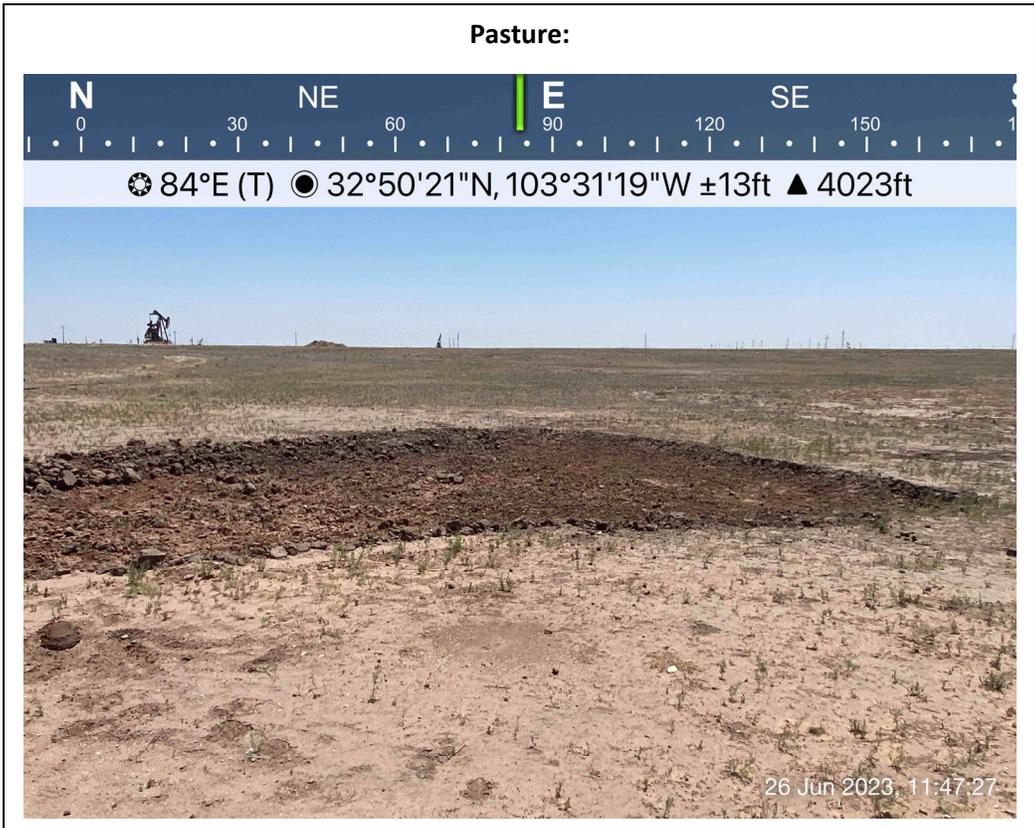


**Initial Release**



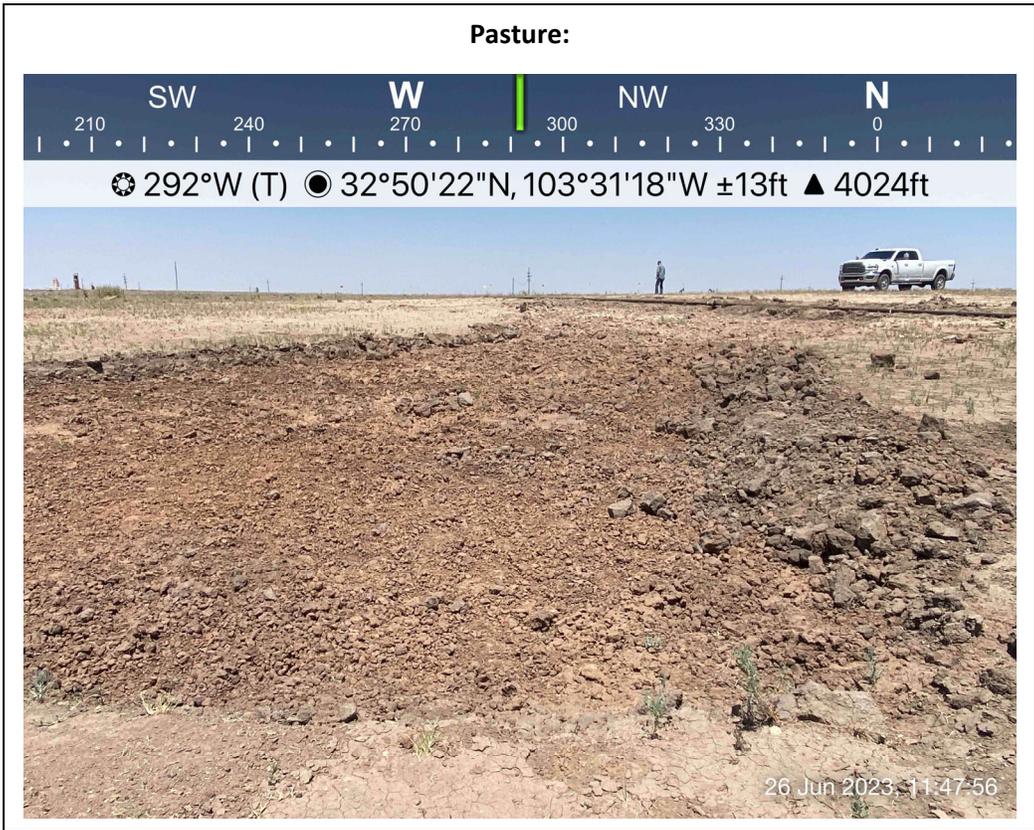
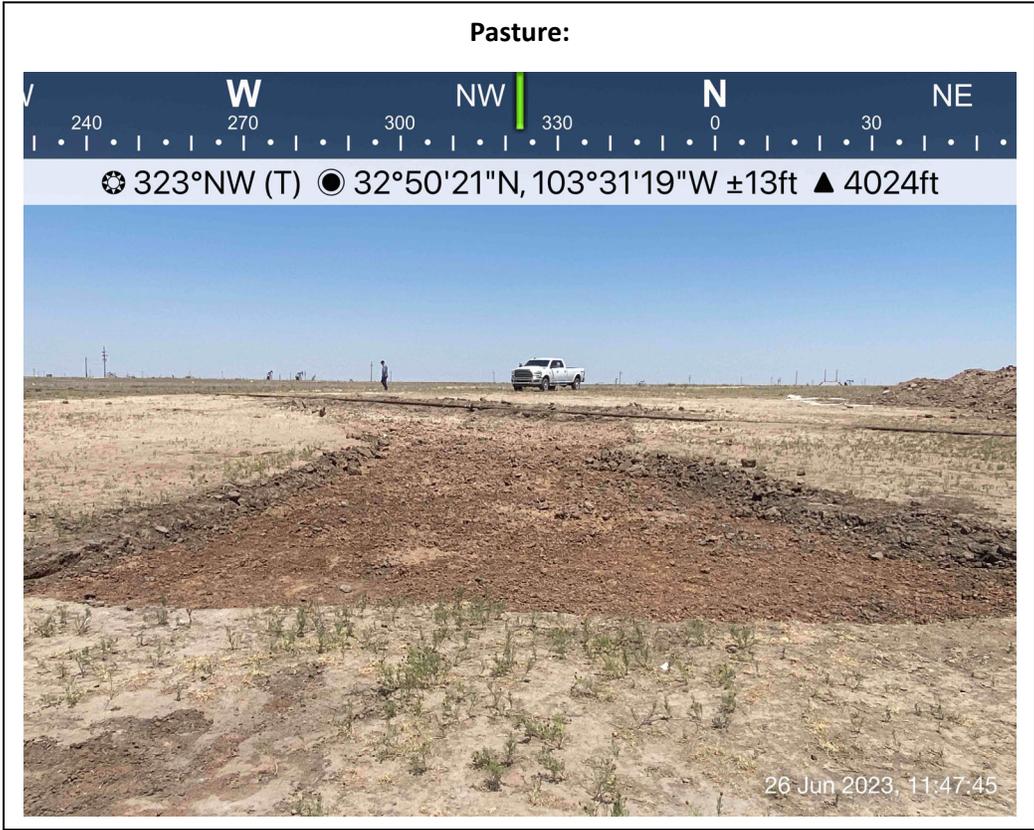


# Excavation



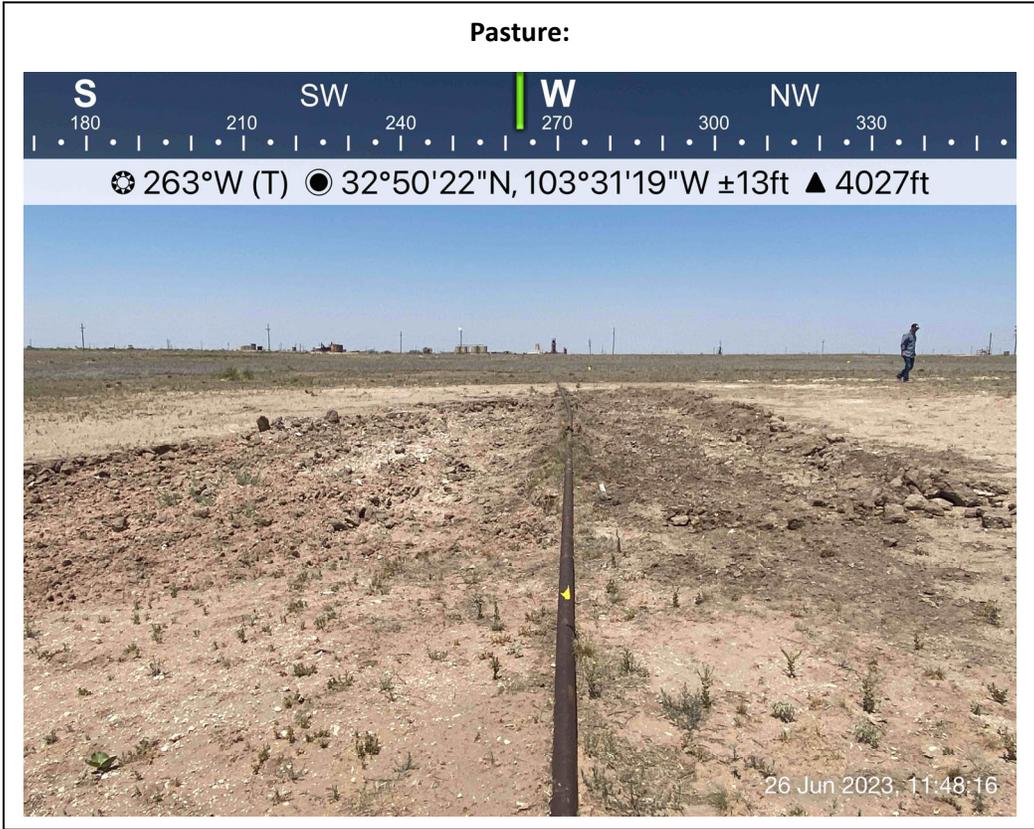


# Excavation





# Excavation

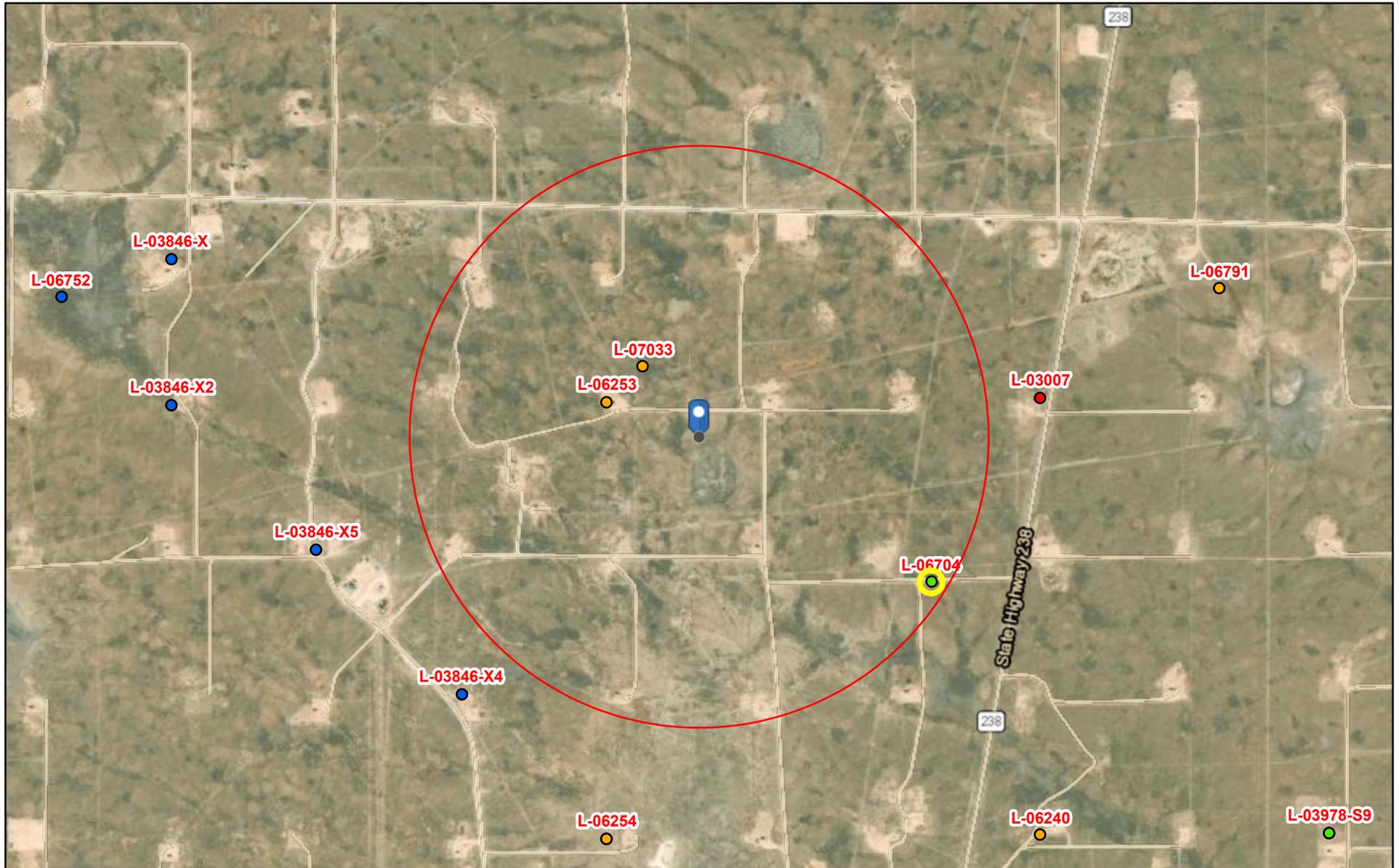




# Excavation



# NAPP2300550705 | NVA 260

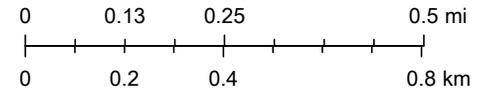


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- Active
- Capped

1:18,056



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

U.S. Fish and Wildlife Service  
**National Wetlands Inventory**

NAPP2300550705 | NVA 260



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

February 20, 2023

**Wetlands**

- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | 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°31'38"W 32°50'38"N

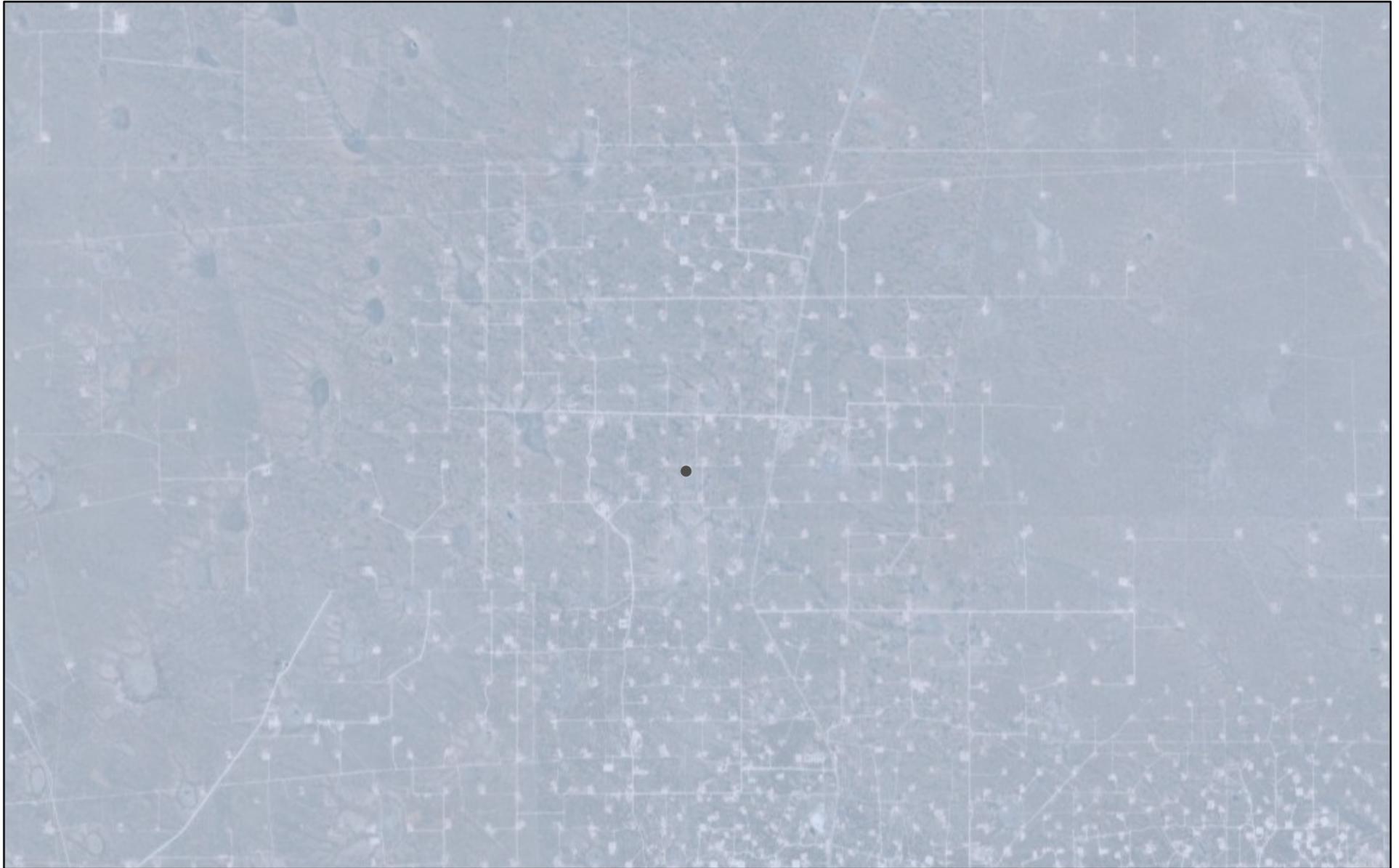


## Legend

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**
    - Cross Sections with 1% Annual Chance Water Surface Elevation
    - Coastal Transect
    - Base Flood Elevation Line (BFE)
    - Limit of Study
    - Jurisdiction Boundary
    - Coastal Transect Baseline
    - Profile Baseline
    - Hydrographic Feature
  - 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.

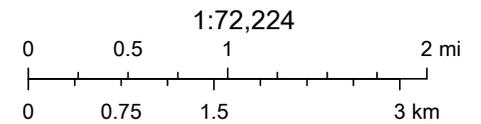
# NAPP2300550705 | NVA 260



2/20/2023, 2:35:02 PM

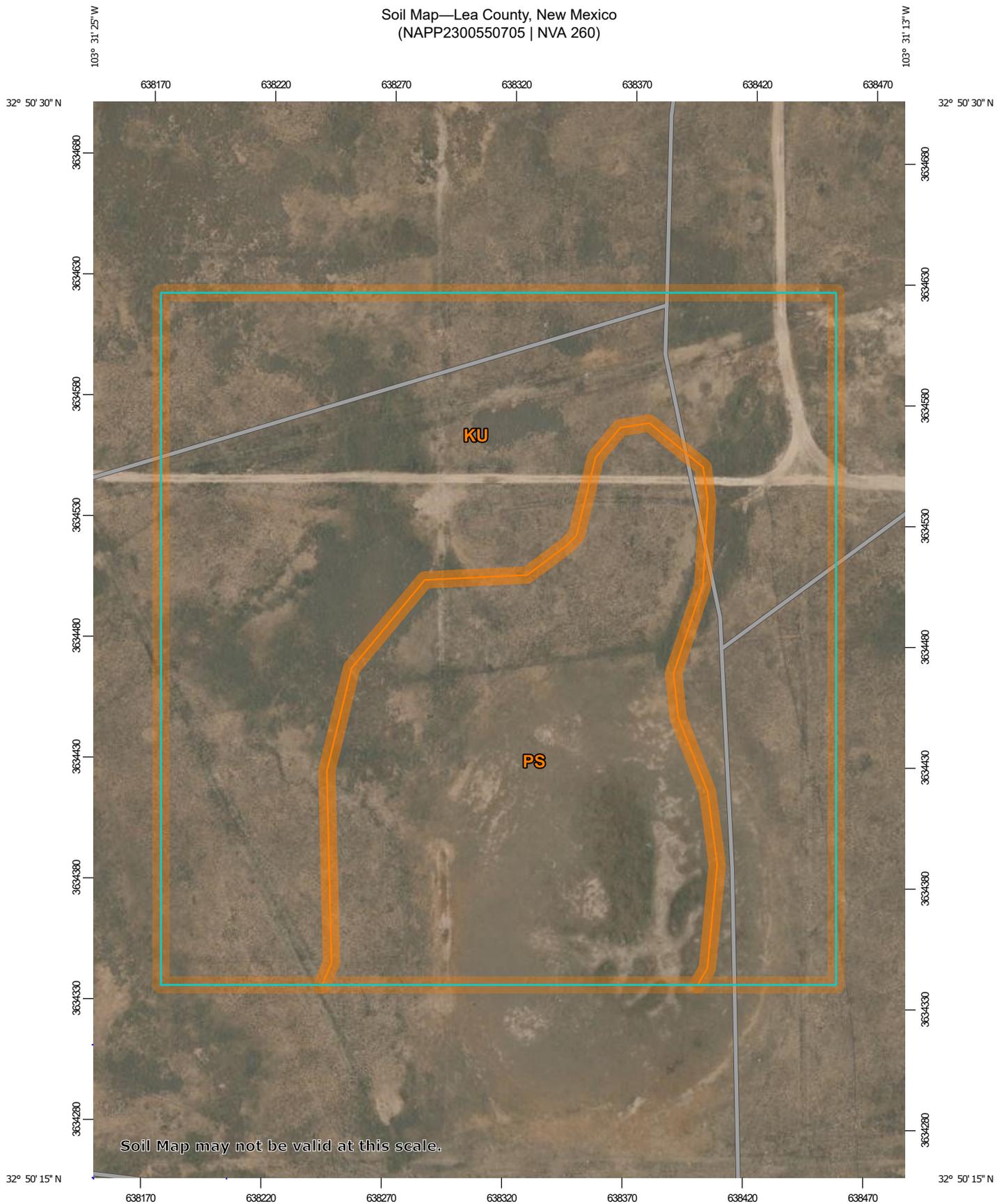
Karst Occurrence Potential

 Low

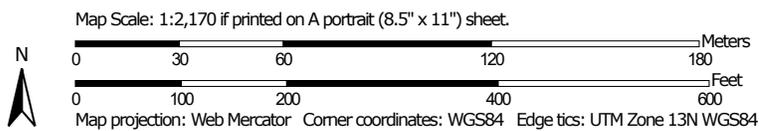


BLM, OCD, New Mexico Tech, Earthstar Geographics

Soil Map—Lea County, New Mexico  
(NAPP2300550705 | NVA 260)



Soil Map may not be valid at this scale.



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

2/20/2023  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(NAPP2300550705 | NVA 260)

### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)

**Soils**

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

**Special Point Features**



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

**Water Features**



Streams and Canals

**Transportation**



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

**Background**



Aerial Photography

### MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 19, Sep 8, 2022

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

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

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

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	13.0	65.3%
PS	Portales-Stegall loams	6.9	34.7%
<b>Totals for Area of Interest</b>		<b>19.9</b>	<b>100.0%</b>



Cynthia Jordan <cynthia@trinityoilfieldservices.com>

**Fwd: Confirmation Sample Notification - NAPP2300550705 NVA 260**

1 message

**Dan Dunkelberg** <dan@trinityoilfieldservices.com>  
To: Cynthia Jordan <cynthia@trinityoilfieldservices.com>

Fri, May 19, 2023 at 9:55 AM

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of Cross Timbers Energy at the above referenced site on Monday, May 15, 2023, at 10:00 a.m

Dan Dunkelberg  
Environmental Regulatory Manager



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



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

---

March 08, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NVA 260

Enclosed are the results of analyses for samples received by the laboratory on 03/02/23 14:43.

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.

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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-001-00.0-V-P (H230978-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/03/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	03/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/03/2023	ND	185	92.3	200	7.15		
<b>DRO &gt;C10-C28*</b>	<b>1470</b>	10.0	03/03/2023	ND	176	87.8	200	8.41		
<b>EXT DRO &gt;C28-C36</b>	<b>411</b>	10.0	03/03/2023	ND						

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 174 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-001-01.0-V-P (H230978-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/03/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	03/03/2023	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	03/03/2023	ND	185	92.3	200	7.15	
DRO >C10-C28*	<10.0	10.0	03/03/2023	ND	176	87.8	200	8.41	
EXT DRO >C28-C36	16.6	10.0	03/03/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-001-02.0-V-P (H230978-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.99		
Toluene*	<0.050	0.050	03/03/2023	ND	1.99	99.7	2.00	9.31		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.57		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	6.33	106	6.00	9.53		
Total BTEX	<0.300	0.300	03/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	384	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78		
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77		
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-002-00.0-V-P (H230978-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/03/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>944</b>	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78	
<b>DRO &gt;C10-C28*</b>	<b>47.6</b>	10.0	03/06/2023	ND	186	92.9	200	9.77	
<b>EXT DRO &gt;C28-C36</b>	<b>10.5</b>	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-002-01.0-V-P (H230978-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99		
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31		
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57		
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53		
Total BTEX	<0.300	0.300	03/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	272	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78		
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77		
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND						

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-001-01.0-HN-P (H230978-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-001-01.0-HW-P (H230978-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-001-01.0-HE-P (H230978-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99		
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31		
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57		
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53		
Total BTEX	<0.300	0.300	03/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78		
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77		
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND						

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-002-01.0-HW-P (H230978-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-002-01.0-HS-P (H230978-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99		
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31		
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57		
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53		
Total BTEX	<0.300	0.300	03/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78		
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77		
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND						

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 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:	03/02/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: SP-002-01.0-HE-P (H230978-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99		
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31		
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57		
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53		
Total BTEX	<0.300	0.300	03/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/03/2023	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	03/06/2023	ND	184	91.9	200	3.78		
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77		
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND						

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Trinity Oilfield Services  
 Address: 8426 N Dal Paso  
 City: Hobbs  
 State: NM Zip: 88241  
 P.O. #: Cross Timber Energy LLC  
 Attn: Kevin Bennett  
 Project #: NVA 260  
 Project Owner: (see below)  
 City: Address:  
 Project Name: Lea Co., NM  
 State: Zip:  
 dan@trinityoilfieldservices.com  
 Project Location: Lea Co., NM  
 State: Zip:  
 Sample Name: GM  
 Phone #: Fax #:  
 FOR LAB USE ONLY  
 Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:  
 Preserv: ACID/BASE, ICE / COOL, OTHER:  
 Sampling: DATE, TIME

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	SP-001-00.0-V-P	G 1	X											
2	SP-001-01.0-V-P	G 1	X											
3	SP-001-02.0-V-P	G 1	X											
4	SP-002-00.0-V-P	G 1	X											
5	SP-002-01.0-V-P	G 1	X											
6	SP-001-01.0-HN-P	G 1	X											
7	SP-001-01.0-HW-P	G 1	X											
8	SP-001-01.0-HE-P	G 1	X											
9	SP-002-01.0-HW-P	G 1	X											
10	SP-002-01.0-HS-P	G 1	X											

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Relinquished By: [Signature]  
 Date: 3/2/23  
 Time: 1443  
 Received By: [Signature]  
 Date: 3/1/2023  
 Time: [Blank]  
 Verbal Result: Yes  No  Add'l Phone #: [Blank]  
 All Results are emailed. Please provide Email address: [Blank]  
 REMARKS: [Blank]

Delivered By: (Circle One)  
 Observed Temp. °C: -7.2i  
 Corrected Temp. °C: -7.8i  
 Sample Condition: Cool Intact  Yes  No  
 CHECKED BY: [Signature]  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113  
 Correction Factor -0.5 °C  
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Observed Temp. °C: [Blank]  
 Corrected Temp. °C: [Blank]

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





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

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May 17, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NVA 260

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 16:05.

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.

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:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-001.0-01.0-P (H232406-01)**

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	05/15/2023	ND	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-002.0-01.0-P (H232406-02)**

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	05/15/2023	ND	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	61.4	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-003.0-01.0-P (H232406-03)**

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	05/15/2023	ND	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-004.0-01.0-P (H232406-04)**

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	240	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-005.0-01.0-P (H232406-05)**

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	80.0	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-006.0-01.0-P (H232406-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	48.0	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-007.0-01.0-P (H232406-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	208	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	12.4	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	14.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-008.0-01.0-P (H232406-08)**

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	05/15/2023	ND	1.99	99.3	2.00	2.52		
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29		
Total BTEX	<0.300	0.300	05/15/2023	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	32.0	16.0	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05		
DRO >C10-C28*	14.4	10.0	05/15/2023	ND	210	105	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND						

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CF-009.0-01.0-P (H232406-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	32.0	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CW-001.0-00.5-P (H232406-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	128	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/12/2023	Sampling Date:	05/12/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	NVA 260	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA CO NM		

**Sample ID: CW-002.0-00.5-P (H232406-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	224	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Company Name: Trinity Oilfield Services		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Dan Dunkelberg		Company: Cross Timbers Energy LLC					
Address: 8426 N Dal Paso		Attn: Kevin Bennett					
City: Hobbs		State: NM Zip: 88241					
Phone #: _____		Address: _____					
Project #: _____		City: _____					
Project Name: NVA 260		State: _____ Zip: _____					
Project Location: Lea Co., NM		Phone #: _____					
Sampler Name: XT		Fax #: _____					
FOR LAB USE ONLY							
Lab I.D. <b>H032442</b>		Sample I.D.					
1 CF-001.0-01.0-P		C 1		5/12/2023		Chloride	
2 CF-002.0-01.0-P		C 1		5/12/2023		TPH	
3 CF-003.0-01.0-P		C 1		5/12/2023		BTEX	
4 CF-004.0-01.0-P		C 1		5/12/2023			
5 CF-005.0-01.0-P		C 1		5/12/2023			
6 CF-006.0-01.0-P		C 1		5/12/2023			
7 CF-007.0-01.0-P		C 1		5/12/2023			
8 CF-008.0-01.0-P		C 1		5/12/2023			
9 CF-009.0-01.0-P		C 1		5/12/2023			
10 CW-001.0-00.5-P		C 1		5/12/2023			
<small>PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>							
Relinquished By: <b>X Smith T.</b>		Received By: <b>[Signature]</b>		Verbal Result: <b>Yes</b>		Add'l Phone #: _____	
Date: <b>5-12-23</b>		Time: <b>1:00</b>		REMARKS: <b>All Results are emailed. Please provide Email address:</b>			
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <b>(Initials)</b>		Turnaround Time: _____	
Corrected Temp. °C <b>3.9</b>		Cool / Intact <b>Yes</b>		Standard <b>Rush</b>		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other: _____		Corrected Temp. °C <b>33</b>		Thermometer ID #113		Cool Intact <b>Yes</b>	
		No / No		Correction Factor -0.5 °C		Observed Temp. °C	
						Corrected Temp. °C	

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



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

Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: _____ Fax #: _____ Project #: NVA 280 Project Owner: (see below) dan@trinityoilfieldservices.com Project Location: Lea Co., NM Sampler Name: XT		P.O. #: _____ Company: Cross Timbers Energy LLC Attn: Kevin Bennett Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Lab I.D. <b>H233404</b> Sample I.D. <b>11</b> CW-002.0-00.5-P	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV. SAMPLING	DATE TIME Chloride TPH BTEX
Date: 5-12-23 Time: 1605	Received By: <i>[Signature]</i>	Verbal Result: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Addl Phone #: _____
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	All Results are emailed. Please provide Email address: _____	
Relinquished By: _____	Received By: _____	REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 3.9 Corrected Temp. °C: 3.3 Sample Condition: Cool Impact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <i>[Signature]</i> (Initials) Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.8 °C	Standard <input checked="" type="checkbox"/> X Rush <input type="checkbox"/>	Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: _____ Corrected Temp. °C: _____

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

**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 234045

**CONDITIONS**

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 234045
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	None	9/21/2023