

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	nAPP2235337608
District RP	
Facility ID	
Application ID	

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)	nAPP2235337608
Contact mailing address	400 W. 7TH ST. FT. WORTH, TX. 76102		

Location of Release Source

Latitude 32.801220 Longitude -103.695246
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	SEMU 106	Site Type	INJECTION WELL
Date Release Discovered	12/15/2022	API# (if applicable)	3002533353

Unit Letter	Section	Township	Range	County
P	30	17S	33E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 0
	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

COPPER THIEVES PULLED EXISTING LINE OUT IF GROUND, WRAPPED IT AROUND INJECTION WELL SURFACE EQUIPMENT AND BROKE NIPPLE

State of New Mexico
Oil Conservation Division

Page 2

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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. ASST.</u> Signature: <u>Laura Stone</u> Date: <u>12-19-2022</u> email: <u>LSTONE@MSPARTNERS.COM</u> Telephone: <u>575-396-0542</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	nAPP2235337608
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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?	_____ (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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

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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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

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: _____ Date: _____

Printed Name: _____ Title: _____

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Site Assessment/Characterization

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

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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.

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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

Incident ID	NAPP2235337608
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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: Samantha Avarellol Title: EHS Coordinator
 Signature: *Samantha Avarellol* 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



March 24th, 2023

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

Re: **Request for Approval of Work Plan**
SEMU 106
Tracking #: NAPP2235337608

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

Site Information	
Incident ID	NAPP2235337608
Site Name	SEMU 106
Company	Cross Timbers Energy, LLC
County	Lea
ULSTR	P-30-17S-33E
GPS Coordinates (NAD 83)	32.80122,-103.695246
Landowner	Private

RELEASE BACKGROUND

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

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

SITE CHARACTERIZATION AND CLOSURE CRITERIA**Depth to Groundwater/Wellhead Protection:**

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	TBD	TBD	TBD

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 1/2 mile of the release site. The search revealed that Zero (0) wells occurred in the data bases that meets the NMOCD criteria for age of data, distance of the data point well from the release point and a data point well having a diagram of construction.

Trinity will be on-site to drill a groundwater determination borehole within a 1/2 mile radius of the incident location. The borehole will be left open for 72 hours and checked for the presence of groundwater. The driller log will be attached for reference.

General Site Characterization:

Site Assessment	
Karst Potential	Low
Distance to Watercourse	> 1000 ft.
Within 100 yr Floodplain	No
Pasture Impact	Yes

A risk-based site assessment/characterization was performed in accordance with 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.

Proposed Closure Criteria:

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

Depth to Groundwater Unknown:

Site & Pasture 4ft bgs	Recommended Remedial Action Levels (RRALs)
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
TPH (GRO and DRO)	NE
BTEX	50 mg/kg
Benzene	10 mg/kg

Anticipated Soil Bore:

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

INITIAL ASSESMENT AND REMEDIATION ACTIVITES**Initial Sample Activities:**

Delineation Summary	
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 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:

Remediation Proposal	
Remediation Dates	Within 90 Days of Approval
Liner Variance Request	None
Deferral Request	None
Proposed Depths Excavated	0.3' – 1'
Proposed Area of 5-point Confirmation Samples – Floors and Walls	500 sqft.
Estimated Total Volume of Excavated Soil	259 yards
Proposed Remediation Map	Attached

Impacted soil within the release margins will be excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area will be advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls will be advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 500 sqft. of the excavated area) will be collected from the floor and sidewalls.

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

SITE RECLAMATION AND RESTORATION

Areas affected by the release and the associated remediation activities will be restored to a condition which existed prior to the release to the extent practicable. The affected area will be contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. Affected areas not on production pads and/or lease roads will be reseeded with a prescribed US Bureau of Land Management seed mixture during the first favorable growing season following closure of the site in accordance with the applicable regulatory agency.

REQUEST FOR CLOSURE

Supporting Documentation	
C-141, pages 3-5	Signed and Attached
Delineation Map	Attached
Depth to Groundwater Maps and Source	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

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

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

Sincerely,

Dan Dunkelberg

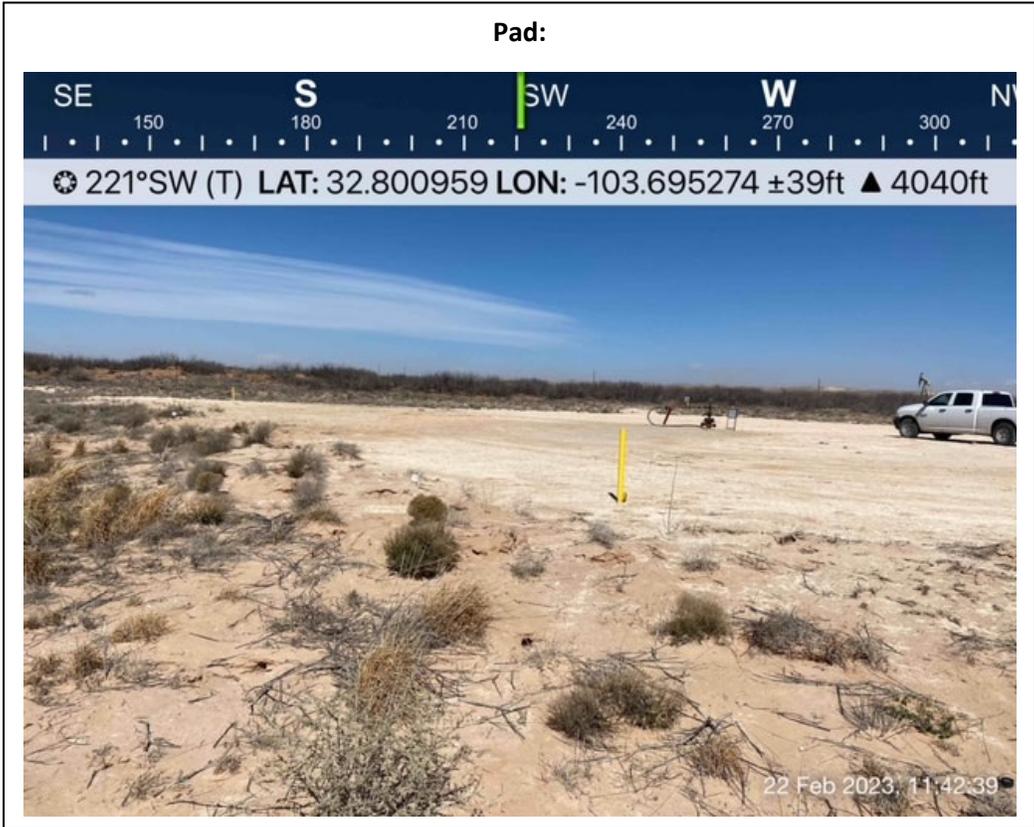
Dan Dunkelberg
Project Manager

Cynthia Jordan

Cynthia Jordan
Project Scientist

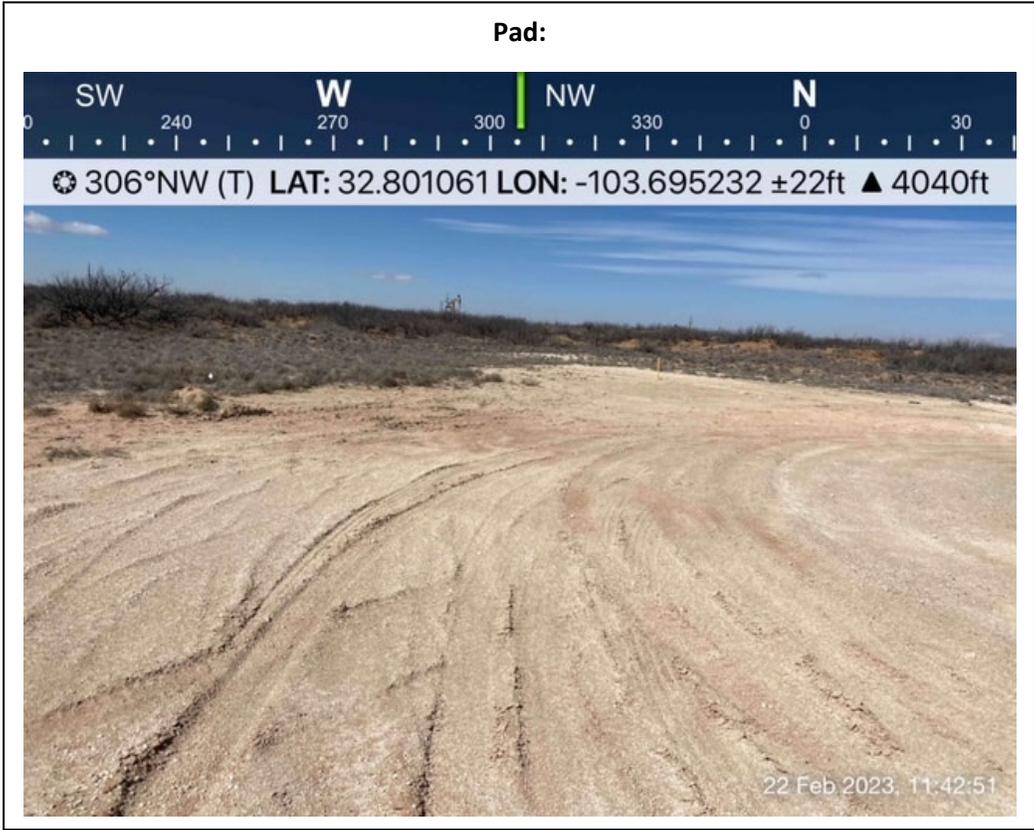


Initial Release



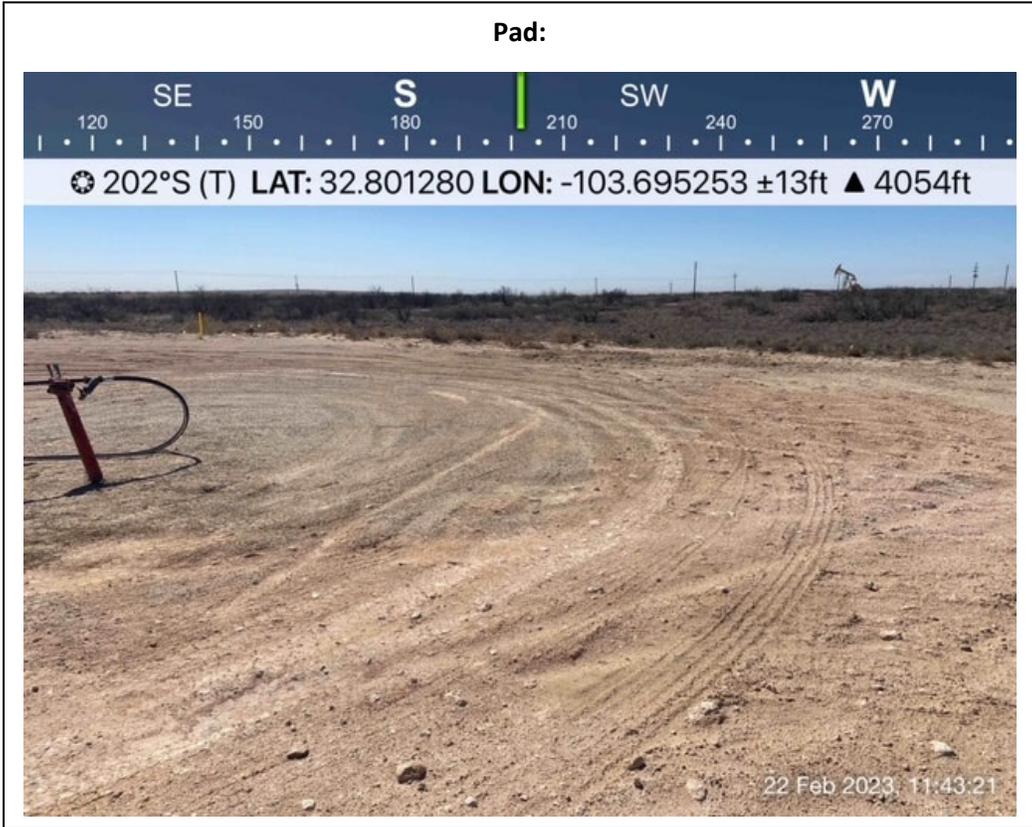


Initial Release





Initial Release



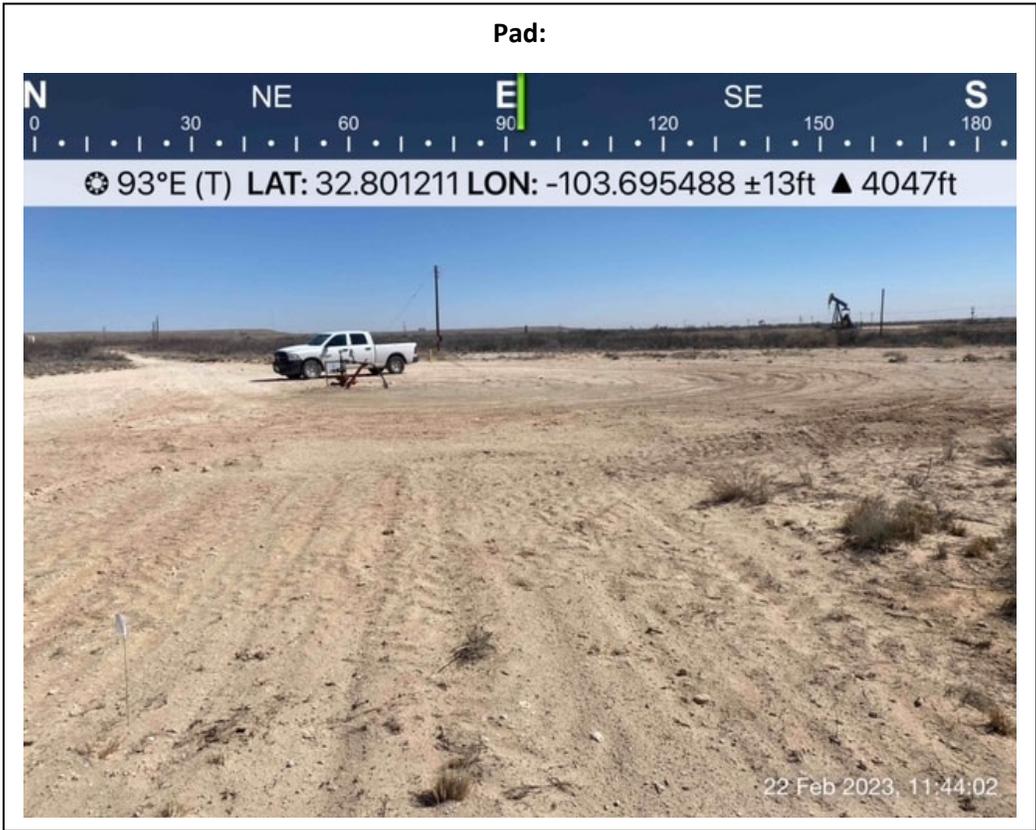
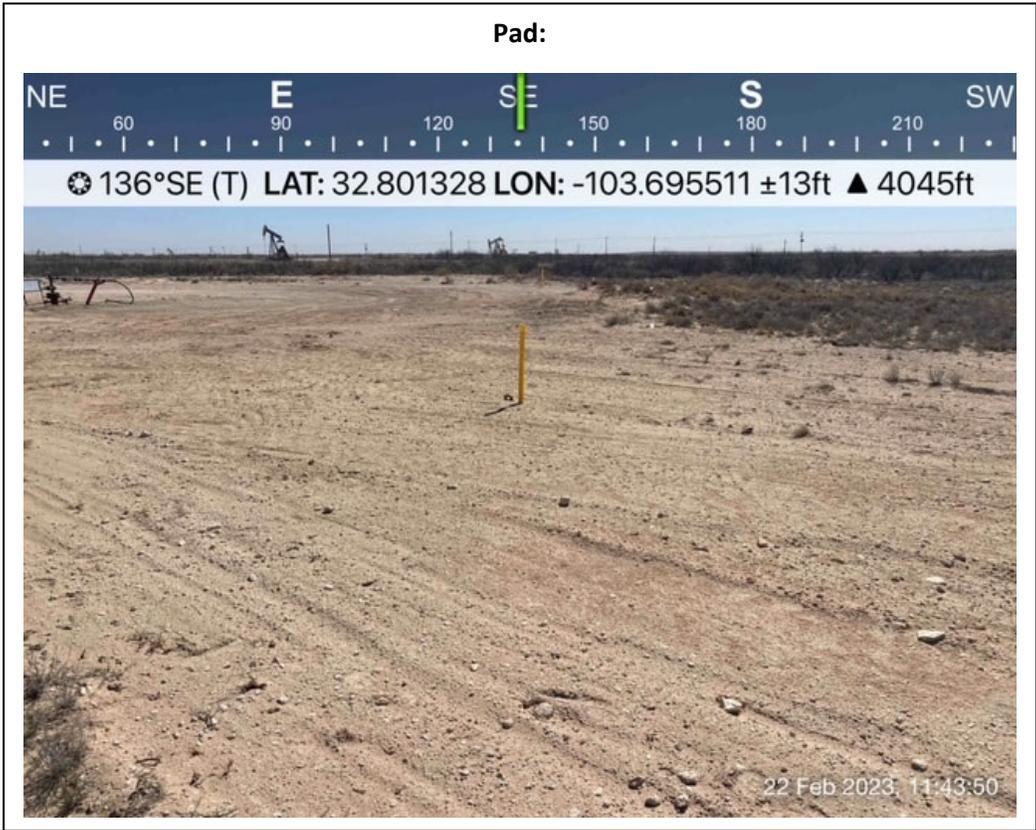


Initial Release



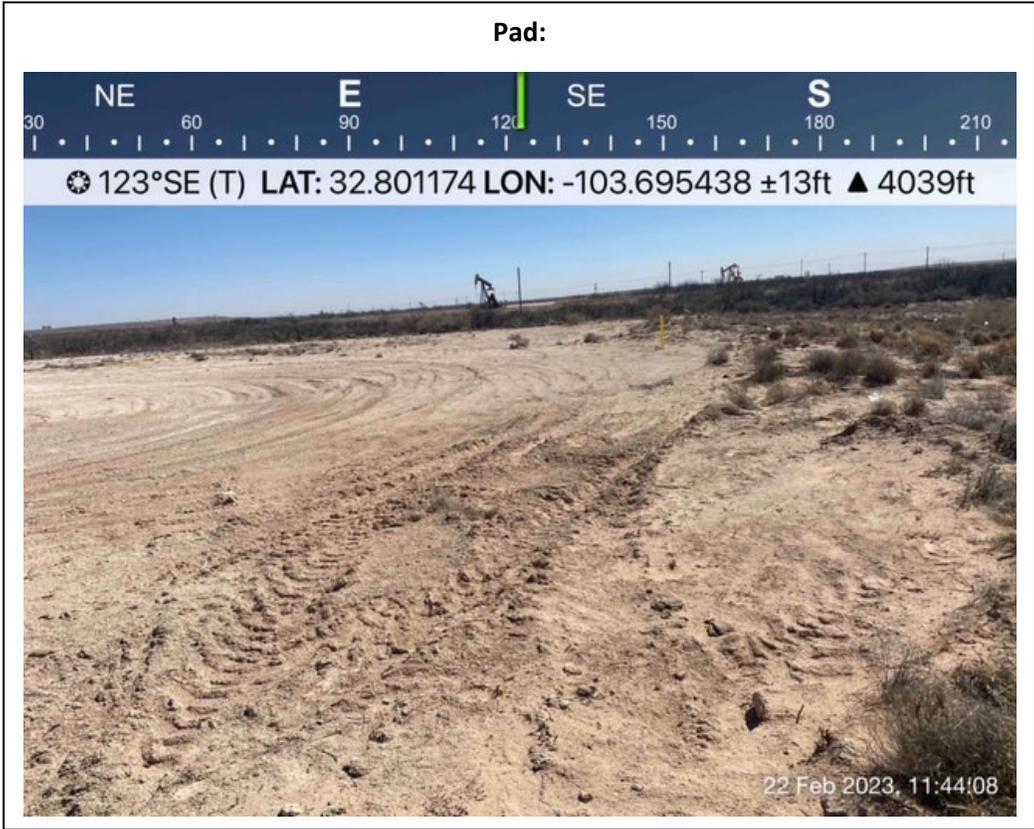


Initial Release



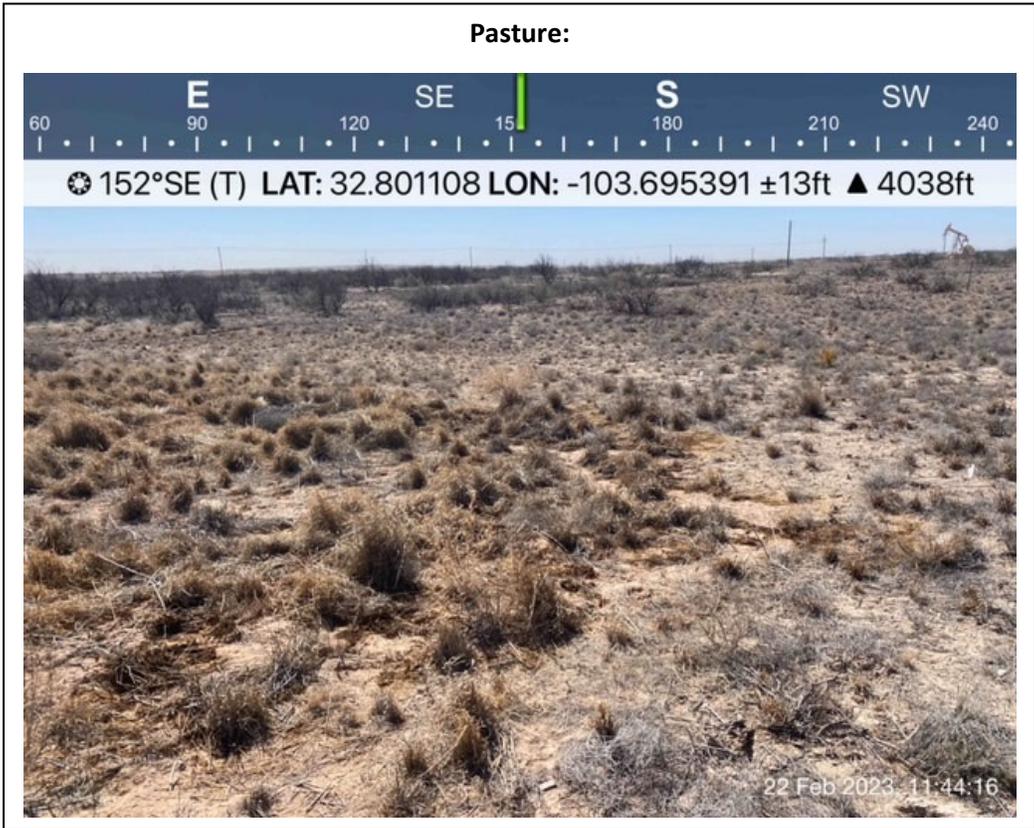
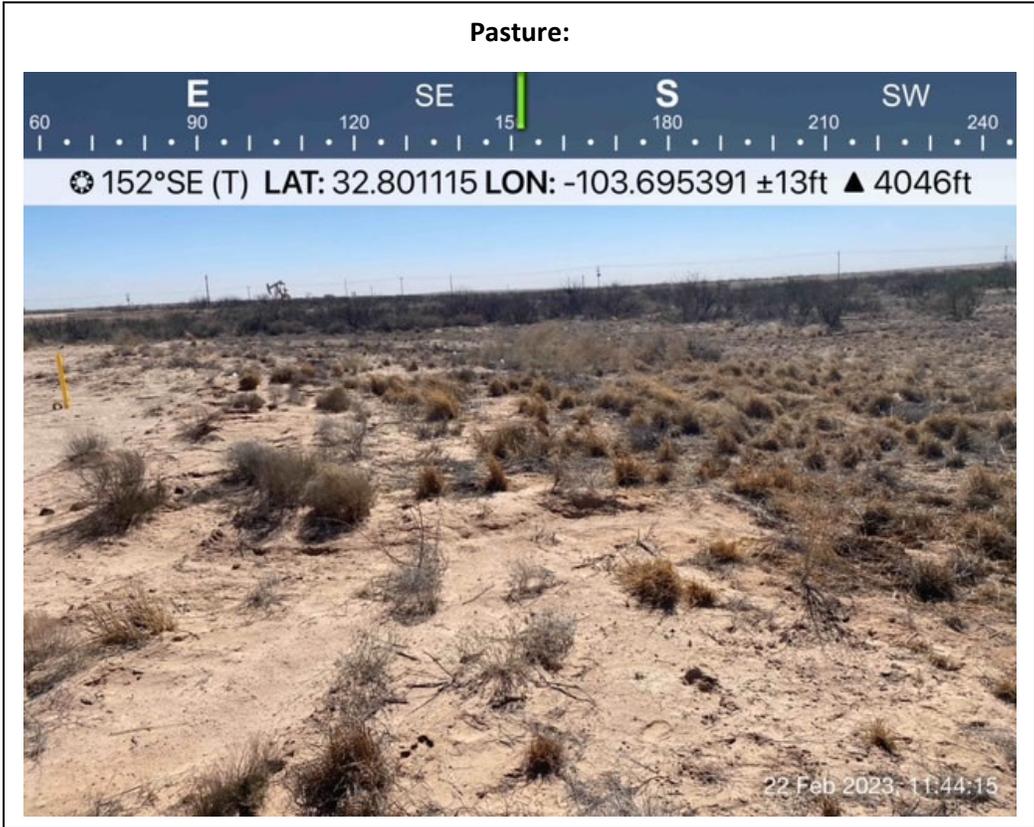


Initial Release



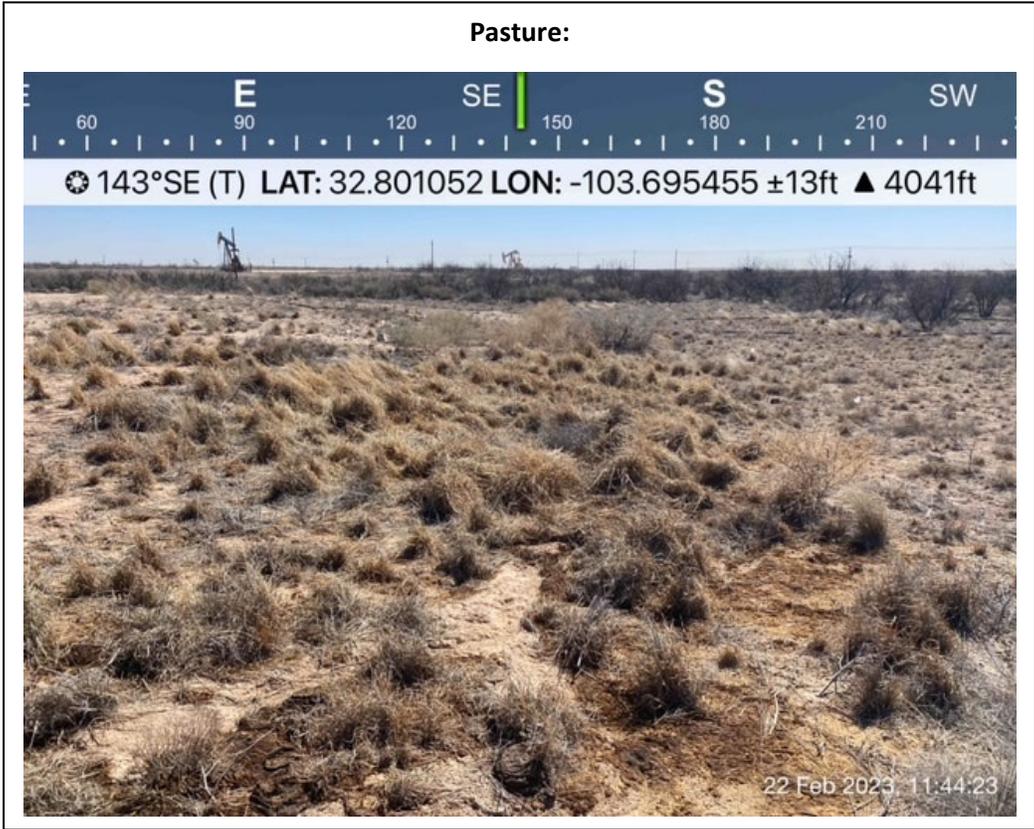


Initial Release



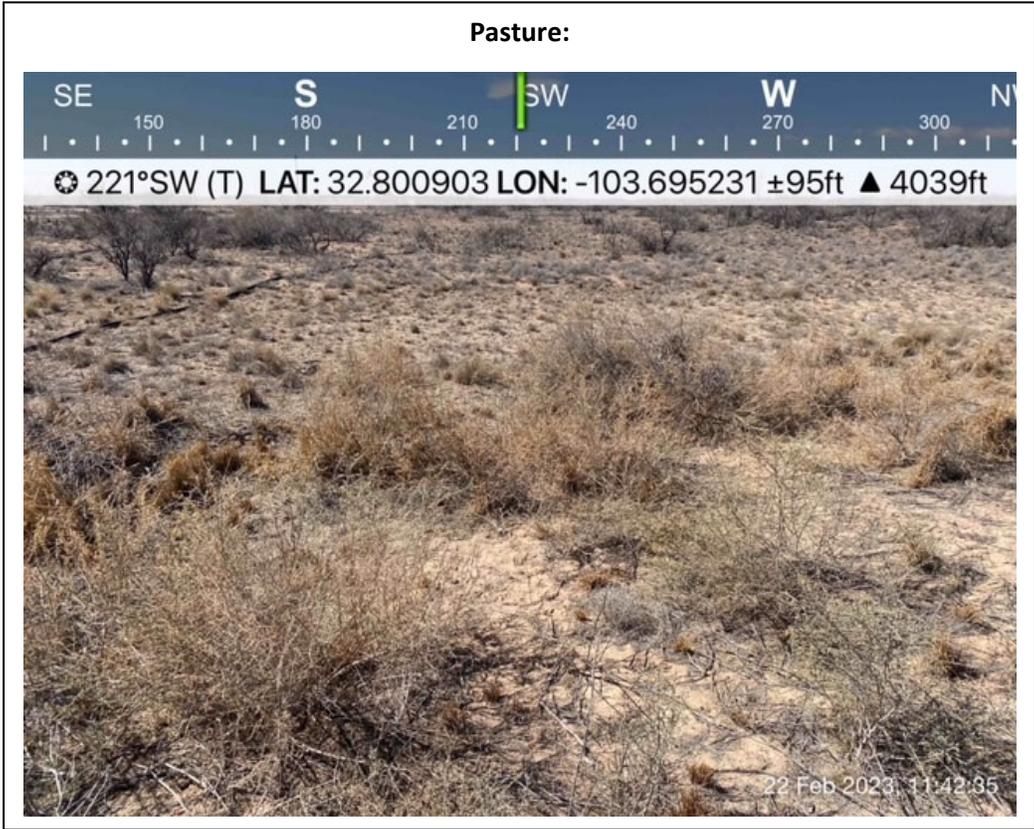


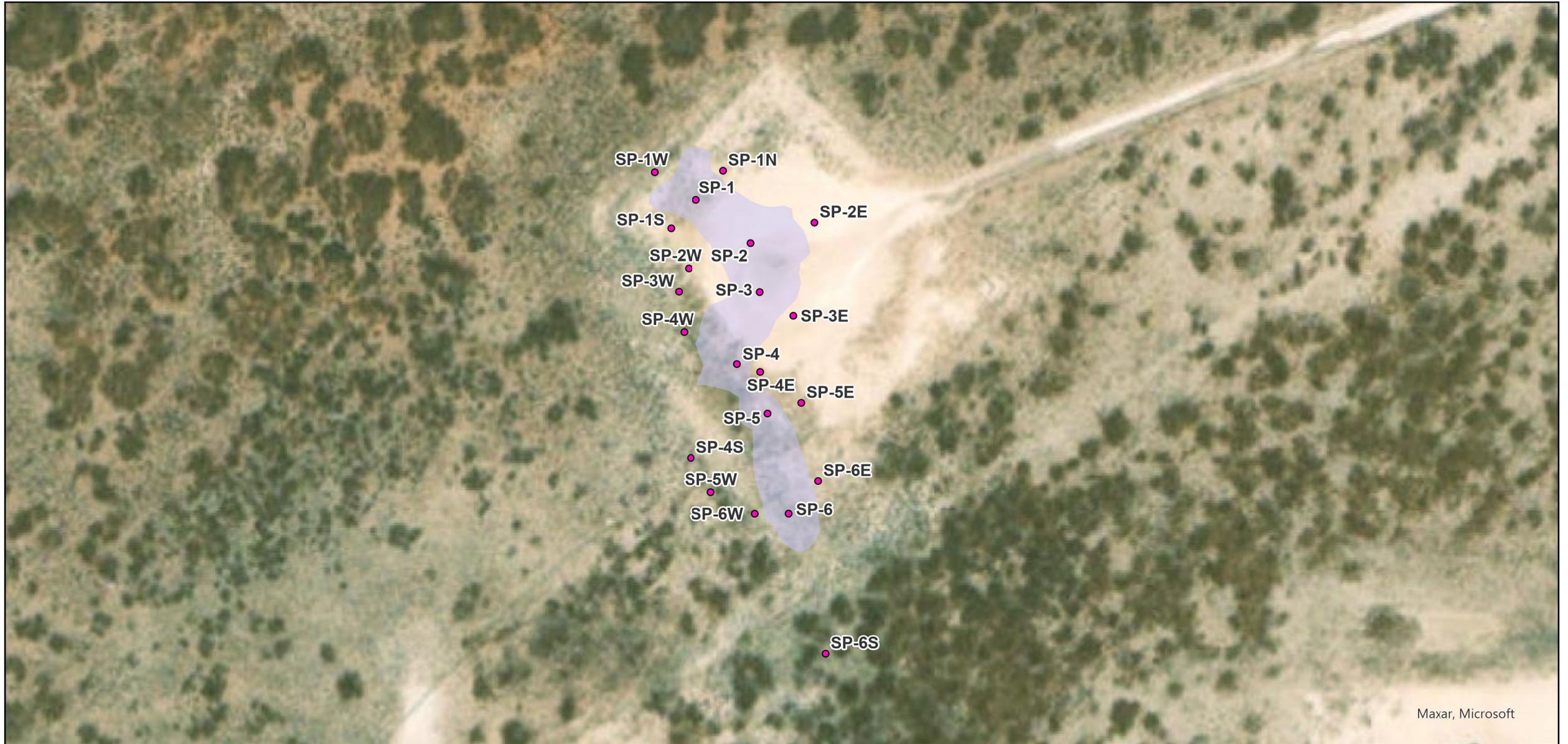
Initial Release





Initial Release





Maxar, Microsoft

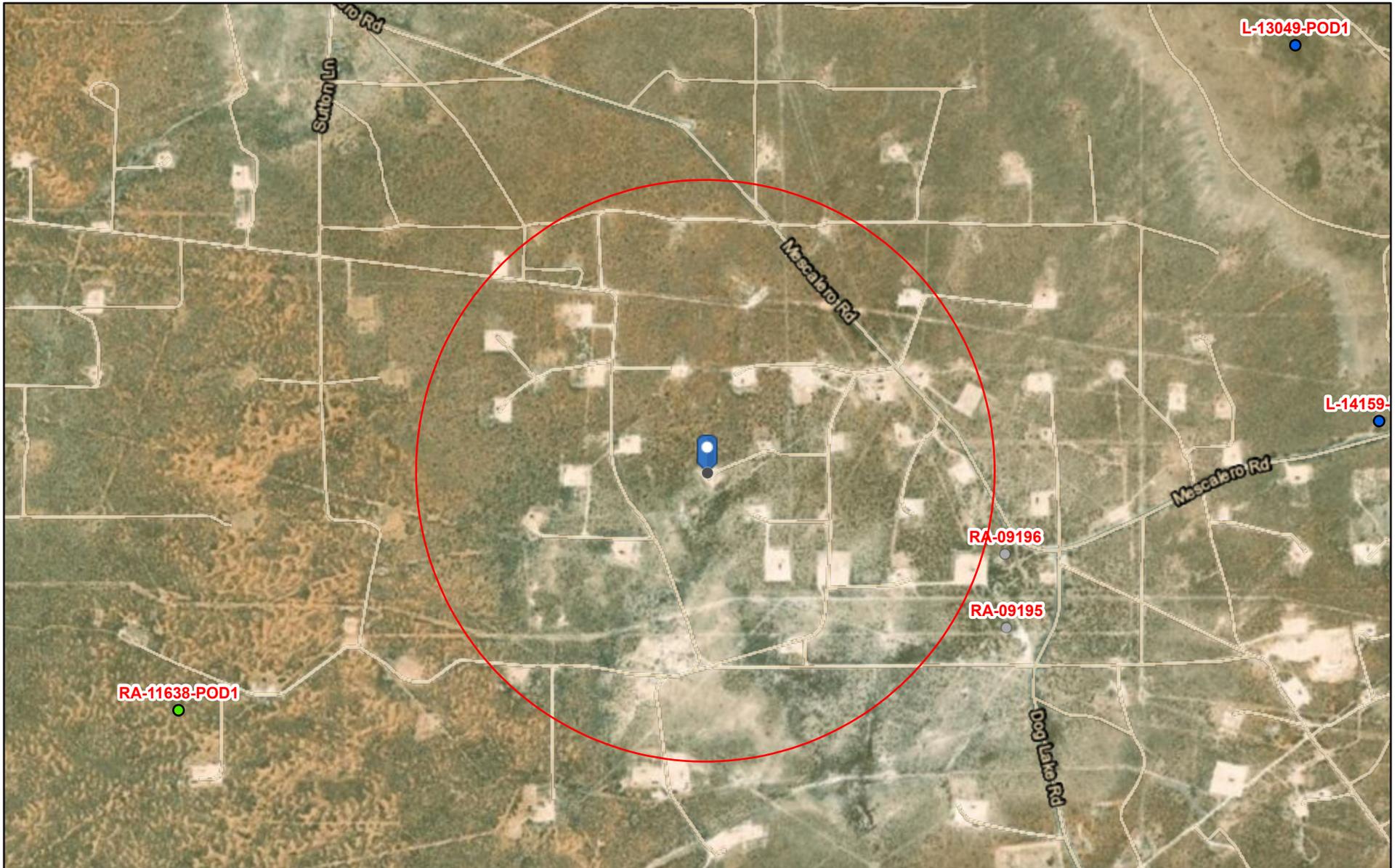
Legend:

- Sample Point
- Release Area

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



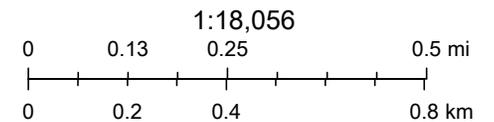
NAPP2235337608 | SEMU 106



2/20/2023, 2:44:43 PM

GIS WATERS PODs

- Pending
- Active



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



U.S. Fish and Wildlife Service
National Wetlands Inventory

NAPP2235337608 | SEMU 106



U.S. Fish and Wildlife Service, National Standards and Support Team,
wetlands_team@fws.gov

February 20, 2023

Wetlands

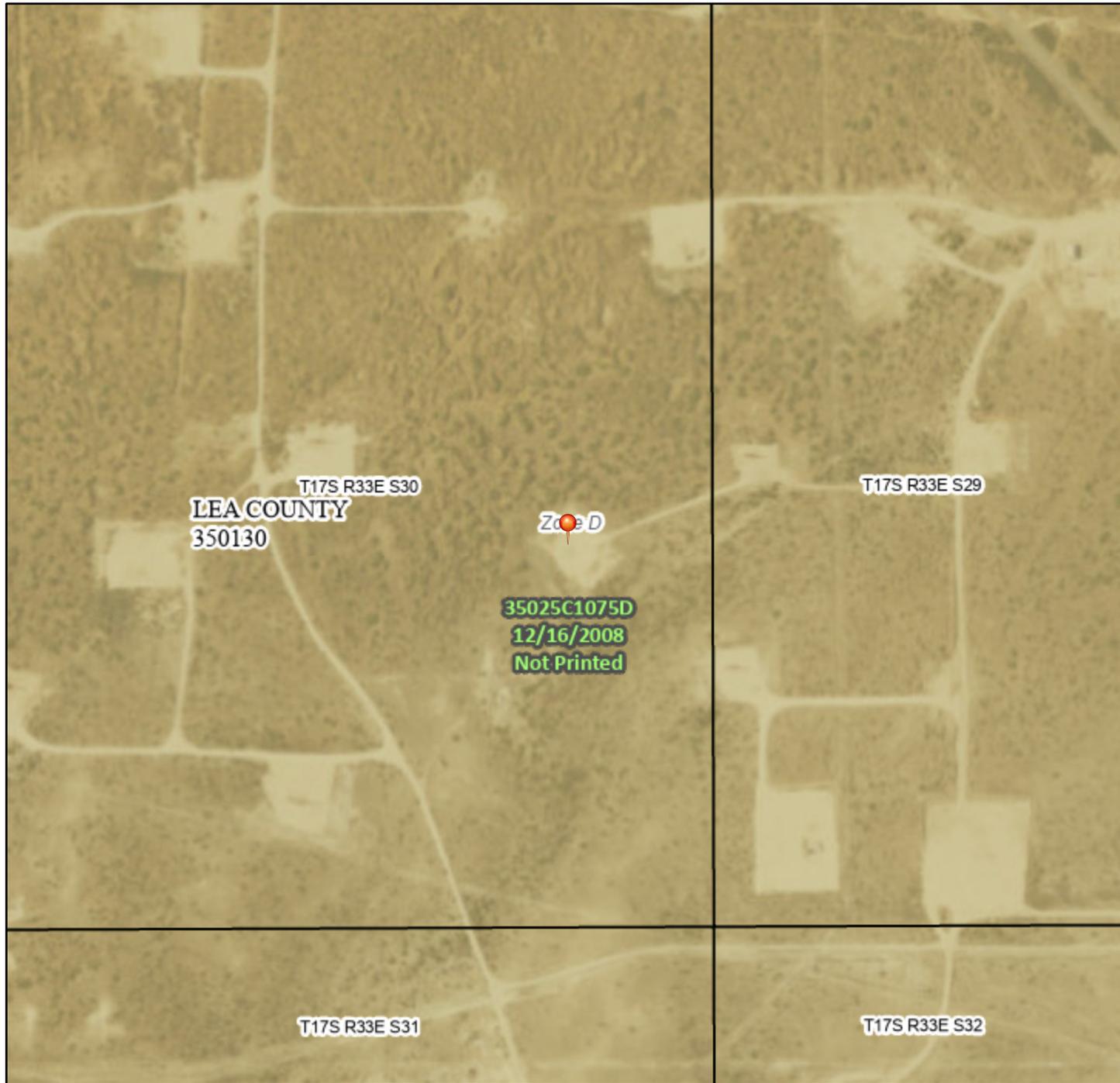
- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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 FIRMMette



103°42'2"W 32°48'20"N



Legend

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

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D
- OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
- OTHER FEATURES**
 - 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.

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

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

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

NAPP2235337608 | SEMU 106

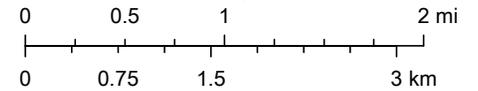


2/20/2023, 3:33:36 PM

Karst Occurrence Potential

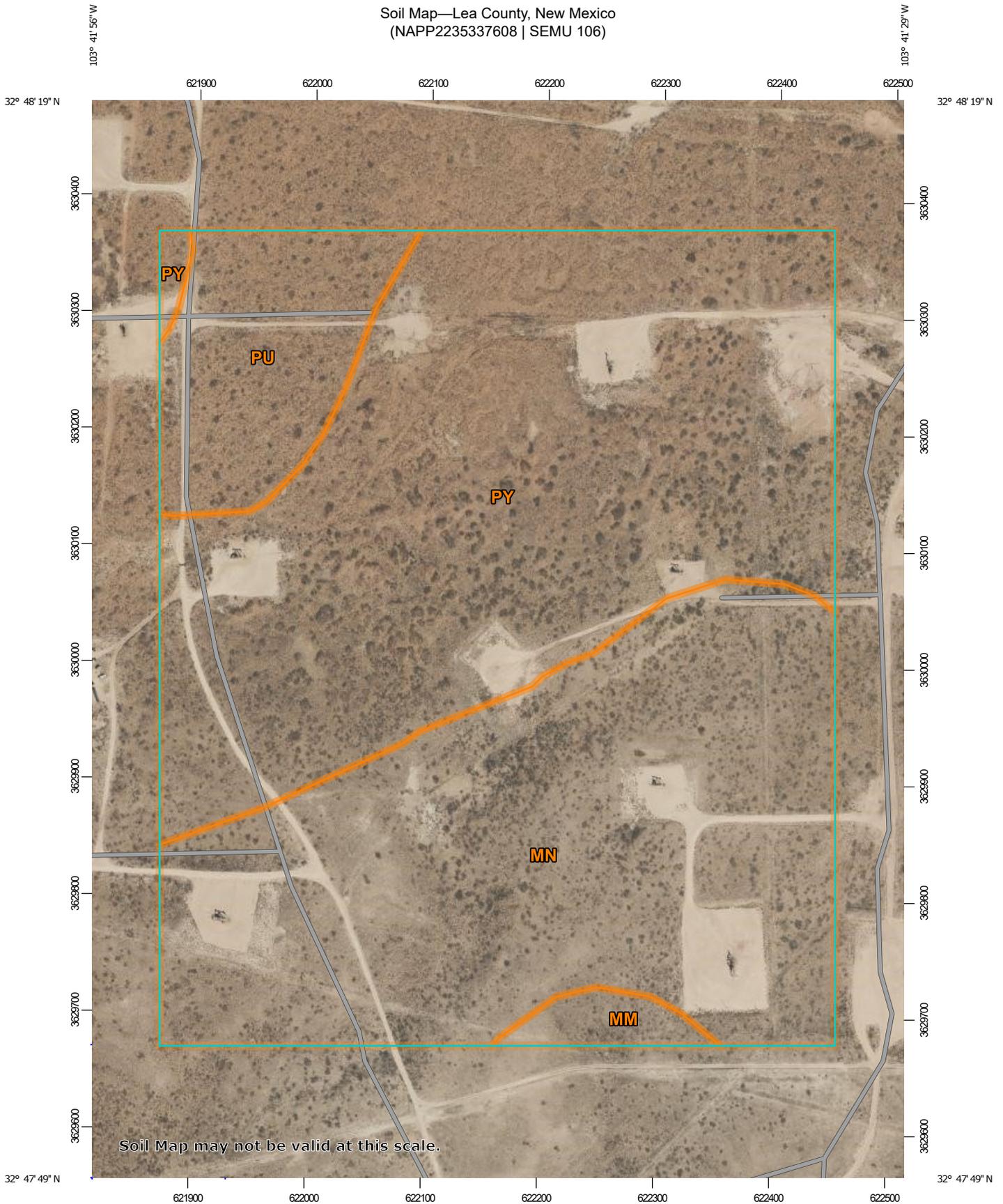
 Low

1:72,224



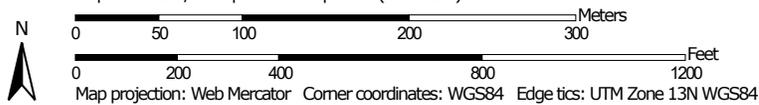
BLM, OCD, New Mexico Tech, Earthstar Geographics

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



Soil Map may not be valid at this scale.

Map Scale: 1:4,510 if printed on A portrait (8.5" x 11") sheet.



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

2/20/2023
Page 1 of 3

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

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

Map Unit Legend

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



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: SEMU 106

Enclosed are the results of analyses for samples received by the laboratory on 03/01/23 16:50.

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.

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, flowing "C" at the beginning.

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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-001-01.0-HN-S (H230965-01)

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-001-01.0-HW-S (H230965-02)

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	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	48.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-001-01.0-HS-S (H230965-03)

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-002-01.0-HW-S (H230965-04)

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	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-002-01.0-HE-S (H230965-05)

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	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	64.0	16.0	03/07/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-003-01.0-HE-S (H230965-06)

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	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-003-01.0-HW-P (H230965-07)

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	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-004-01.0-HW-S (H230965-08)

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	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-004-01.0-HE-S (H230965-09)

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	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/07/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-004-01.0-HS-P (H230965-10)

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	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	16.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-005-01.0-HW-P (H230965-11)

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	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-005-01.0-HE-P (H230965-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/07/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 107 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-006-01.0-HS-P (H230965-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-006-01.0-HW-P (H230965-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-006-01.0-HE-P (H230965-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-001-00.0-V-S (H230965-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-002-00.0-V-S (H230965-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	35200	16.0	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	1640	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	353	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-002-02.0-V-S (H230965-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/07/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-003-00.0-V-S (H230965-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2080	16.0	03/07/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 110 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-003-01.0-V-S (H230965-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	03/07/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 102 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-004-00.0-V-P (H230965-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	304	16.0	03/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-004-01.0-V-P (H230965-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0	
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2	
Total BTEX	<0.300	0.300	03/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/03/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-005-00.0-V-P (H230965-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	15.0		
Toluene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	15.1		
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.90	95.1	2.00	15.8		
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.81	96.8	6.00	15.2		
Total BTEX	<0.300	0.300	03/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64		
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30		
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND						

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-005-01.0-V-P (H230965-24)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.06	103	2.00	8.15	
Toluene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	7.69	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	2.05	103	2.00	7.36	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	6.48	108	6.00	6.10	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	160	16.0	03/03/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/08/2023	Sampling Type:	Soil
Project Name:	SEMU 106	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBERS - LEA COUNTY, NM		

Sample ID: SP-006-00.0-V-P (H230965-25)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.06	103	2.00	8.15	
Toluene*	<0.050	0.050	03/03/2023	ND	2.02	101	2.00	7.69	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	2.05	103	2.00	7.36	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	6.48	108	6.00	6.10	
Total BTEX	<0.300	0.300	03/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	03/03/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	189	94.3	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	187	93.4	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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
 Project Manager: Dan Dunkelberg
 Address: 8426 N Dal Paso
 City: Hobbs
 State: NM Zip: 88241
 P.O. #: Cross Timbers Energy, LLC
 Company: Kevin Bennett
 Address:
 City:
 State: Zip:
 Project #: dan@trinityoilfieldservices.com
 Project Name: SEMU 106
 Project Location: Lea Co., NM
 Phone #: Phone #: Zip:
 Project Location: Lea Co., NM
 Sample Name: LB
 Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER: ACID/BASE, ICE / COOL, OTHER:
 Date: 3/1/2023
 Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:
 Date: 3/1/2023

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE	TIME	Chloride	TPH	BTEX
1	SP-001-01.0-HN-S	G	1	X	3/1/2023		X	X	X
2	SP-001-01.0-HW-S	G	1	X	3/1/2023		X	X	X
3	SP-001-01.0-HS-S	G	1	X	3/1/2023		X	X	X
4	SP-002-01.0-HW-S	G	1	X	3/1/2023		X	X	X
5	SP-002-01.0-HE-S	G	1	X	3/1/2023		X	X	X
6	SP-003-01.0-HE-S	G	1	X	3/1/2023		X	X	X
7	SP-003-01.0-HW-P	G	1	X	3/1/2023		X	X	X
8	SP-004-01.0-HW-S	G	1	X	3/1/2023		X	X	X
9	SP-004-01.0-HE-S	G	1	X	3/1/2023		X	X	X
10	SP-004-01.0-HS-P	G	1	X	3/1/2023		X	X	X

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Relinquished By: *[Signature]* Date: 3-1-23 Received By: *[Signature]* Date: 3-1-23
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C: Corrected Temp. °C:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 Checked By: *[Signature]* Thermometer ID #113
 Correction Factor -0.5 °C
 Delivered By: (Circle One) UPS Bus - Other:
 Observed Temp. °C: 43 Corrected Temp. °C: 37
 Sample Condition: Cool Intact Yes No
 f Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabnm.com



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BILL TO

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Company Name: Trinity Oilfield Services
 Project Manager: Dan Duran, eiberg
 Address: 8426 N Dal Paso
 City: Hobbs
 State: NM Zip: 88241
 P.O. #: Cross Timbers Energy, LLC
 Attn: Kevin Bennett
 Address:
 City:
 State:
 Zip:
 Project #: SEMU 106
 Project Location: Lea Co., NM
 Project Owner: (see below)
 dan@trinityoilfieldservices.com
 Phone #:
 Fax #:
 Sampler Name: LB
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11	SP-005-01.0-HW-P	G 1	1	X					3/1/2023		X	X	X	
12	SP-005-01.0-HE-P	G 1	1	X					3/1/2023		X	X	X	
13	SP-006-01.0-HS-P	G 1	1	X					3/1/2023		X	X	X	
14	SP-006-01.0-HW-P	G 1	1	X					3/1/2023		X	X	X	
15	SP-006-01.0-HE-P	G 1	1	X					3/1/2023		X	X	X	
16	SP-001-00.0-V-S	G 1	1	X					3/1/2023		X	X	X	
17	SP-002-00.0-V-S	G 1	1	X					3/1/2023		X	X	X	
18	SP-002-02.0-V-S	G 1	1	X					3/1/2023		X	X	X	
19	SP-003-00.0-V-S	G 1	1	X					3/1/2023		X	X	X	
20	SP-003-01.0-V-S	G 1	1	X					3/1/2023		X	X	X	

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Relinquished By: *[Signature]* Date: 3/1/23 Time: 10:59 AM
 Received By: *[Signature]* Date: 3/1/23 Time: 10:59 AM
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:

Delivered By: (Circle One) Observed Temp. °C: 41.3 Corrected Temp. °C: 37
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials) *AD*
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Observed Temp. °C: Corrected Temp. °C:
 Thermometer ID #113 Correction Factor: -0.5 °C

† Cardinal cannot accept verbal changes. Please email changes to caley.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 203323

CONDITIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 203323
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	5/8/2023