



November 24, 2025

District Supervisor
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, New Mexico 88240

**Re: Re-Vegetation Closure Report
Golden Tyche CTB Release
BTA Oil Producers, LLC
Lea County, New Mexico
NMOCD Incident ID: nAPP2507652940
Project Location: 32.920603, -103.361783**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by BTA Oil Producers, LLC (BTA) to assess a previously remediated release associated with the Golden Tyche Central Tank Battery (CTB). The approximate release site coordinates are 32.920603, -103.361783, located in the Public Land Survey System (PLSS) Unit Letter K, Section 16, Township 16 South, Range 36 East, Lea County, New Mexico (Site). The Site location is shown on Figures 1 and 2. The site is located on Private land.

EXECUTIVE SUMMARY

According to the New Mexico Oil Conservation District (NMOCD) online OCD Permitting nAPP2507652940 Incident Details, on March 17, 2025, BTA reported that a poly flowline ruptured, resulting in the release of 8 barrels (bbls) of produced water into the pasture west of the Golden Tyche Central Tank Battery (CTB). According to the C-141 Initial Report, 4 bbls of fluids were reported as recovered during the initial response. The site characterization identified no sensitive receptors within the distances prescribed by 19.15.29.11, and depth to groundwater was identified as greater than 50 feet below ground surface, allowing for the use of 19.15.29.12 Table I closure criteria to be used for groundwater greater than 50 feet. Excavation activities were conducted between March 25 and April 8, 2025, when approximately 370 cubic yards of contaminated soil was excavated. Tetra Tech mobilized to the Site and conducted Site Assessment Sampling of the apparent release footprint to validate the apparent remediation at the apparent release Site. Sample results identified no further remediation was required. Tetra Tech collected 23 five-point composite floor samples and seven five-point composite side wall samples from the previously excavated areas. The remediation excavation concluded as shown in Figure 4 with a total area of 4,980 square feet and a sampling density of approximately one (1) confirmation sample per 200 square feet. Laboratory analytical results for final confirmation samples reported concentrations of BTEX, TPH, and chloride as less than the respective Reclamation Requirements, demonstrating clean margins. Backfilling of the excavated area was completed with 370 cubic yards of clean topsoil. The disturbed areas of impacted pastureland have been graded back to match the surrounding topography and the pre-existing condition to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns. The area was then seeded with Bureau of Land Management (BLM) Seed Mixture for Loamy Sites.

BACKGROUND

The Site is located in Unit K, Section 16, Township 16 South, Range 36 East, in Lea County, New Mexico (32.920603, -103.361783) and is located on private land. A release was discovered on March 17, 2025, due to equipment failure of a Polyline. The Polyline burst, releasing fluid into the pasture west of the Golden Tyche Central Tank Battery (CTB). According to available information, the leak released approximately 8 bbls of produced water, of which 4 bbls were recovered during the initial response.

Tetra Tech, Inc.

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On behalf of BTA, on March 17, 2025, Tetra Tech personnel submitted a notice of release (NOR) to The New Mexico Oil Conservation Division (NMOCD). The NMOCD approved the NOR the same day and subsequently assigned the release Incident Identification (ID) nAPP2507652940.

SITE CHARACTERIZATION

A site characterization was performed, and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 NMAC. The Site is in an area of low karst potential.

According to the NMOSE reporting system, there are no water wells within ½ mile (800 meters) of the Site. Depth to groundwater at the Site is estimated to be greater than 50 feet below ground surface (bgs) based on well data. The closest groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) POD number L 15618 POD1, located approximately 0.6 miles from the Site. The well was drilled in November 2023 with a recorded depth to water of 75 feet bgs. The site characterization data are presented in Attachment 1.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data were used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

In accordance with the NMOCD guidance Procedures for Implementation of the Spill Rule (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet below surface) outside of active oil and gas operations are as follows:

Constituent	Site RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

INITIAL RESPONSE AND REMEDIAL ACTION

In accordance with 19.15.29.8. B. (4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release,” BTA elected to begin remediation on March 28, 2025. Based on information provided by BTA and available photographic documentation, it appears the release extent was excavated to approximately 2 feet bgs in a total area of 4,980 square feet and then backfilled with clean material to pre-release grade. The Photographic documentation of remediation activities are included in Attachment 2. The remediation extent is indicated in Figure 4. It is our understanding that BTA backfilled the excavation without collecting confirmation samples. Additionally, the absence of laboratory analytical data makes it unclear whether any assessment sampling was conducted prior to remediation.

The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The area was seeded following backfilling to aid in revegetation. Based on the soils of the site, the Bureau of Land Management (BLM) Seed Mixture for Loamy Sites was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. The BLM seed mixture details and corresponding pounds pure live seed per acre are included in Attachment 3.

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SITE INSPECTION AND CONFIRMATION SAMPLING

Tetra Tech personnel were onsite September 17, 2025, to inspect current site conditions and collect confirmation samples from the previously remediated release. At the time of the visual Site inspection, uniform vegetative cover had been established in the previously remediated area. Photographic documentation from the September 17, 2025, Site inspection is included in Attachment 2.

Tetra Tech remobilized to the site on September 22, 2025, and September 23, 2025, to complete confirmation sampling in the previously remediated release extent. Prior to confirmation sampling, the NMOCD district office was notified on September 17, 2025, via the OCD Portal (C-141N) in accordance with Subsection D of 19.15.29.12 NMAC.

Confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify the efficacy of remediation activities. Confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. A total of twenty-three (23) confirmation floor sample locations and seven (7) confirmation sidewall sample locations were collected for laboratory analysis. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W), followed by SW-#. The previously excavated area encompasses a surface area of approximately 4,980 square feet. Confirmation floor sample locations were labeled with "FS"-#. Confirmation sample locations are indicated in Figure 4.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500CI-B. The analytical results were directly compared to the Site RRALs to demonstrate compliance. The results of the September 2025 confirmation sampling events are summarized in Table 1. All final confirmation soil samples (floor and sidewall) reported concentrations for constituents below applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Attachment 4. The initial response remedial action was successful in removing the contaminant mass to meet the standards of Table I of 019.15.29.12 NMAC.

SITE RESTORATION AND RE-VEGETATION

In accordance with 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Based on observations made during the Site inspection, uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, in accordance with 19.15.29.13 NMAC. Documentation of the vegetation survey is presented in Attachment 5.

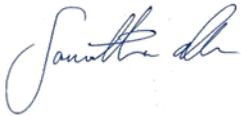
Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

CONCLUSION

BTA respectfully requests closure and approval of the re-vegetation associated with this incident based on the results of the confirmation sampling, restoration, and reclamation activities. Uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and the total percent plant cover is at least seventy percent of pre-disturbance levels, excluding noxious weeds. If you have any questions concerning the remedial action of the Site, please call me at (512) 788-2948.

Sincerely,



Samantha Allen
Project Manager
Tetra Tech, Inc.



Charles H. Terhune IV, P.G.
Program Manager
Tetra Tech, Inc.

cc:
Mr. Noah Tinker, BTA Oil Producers, LLC

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Golden Tyche CTB

BTA Oil Producers, LLC
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LIST OF ATTACHMENTS

Figures

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent
- Figure 4 – Remedial Action and Confirmation Sampling Locations

Tables

- Table 1 – Summary of Analytical Results – 2025 Soil Assessment

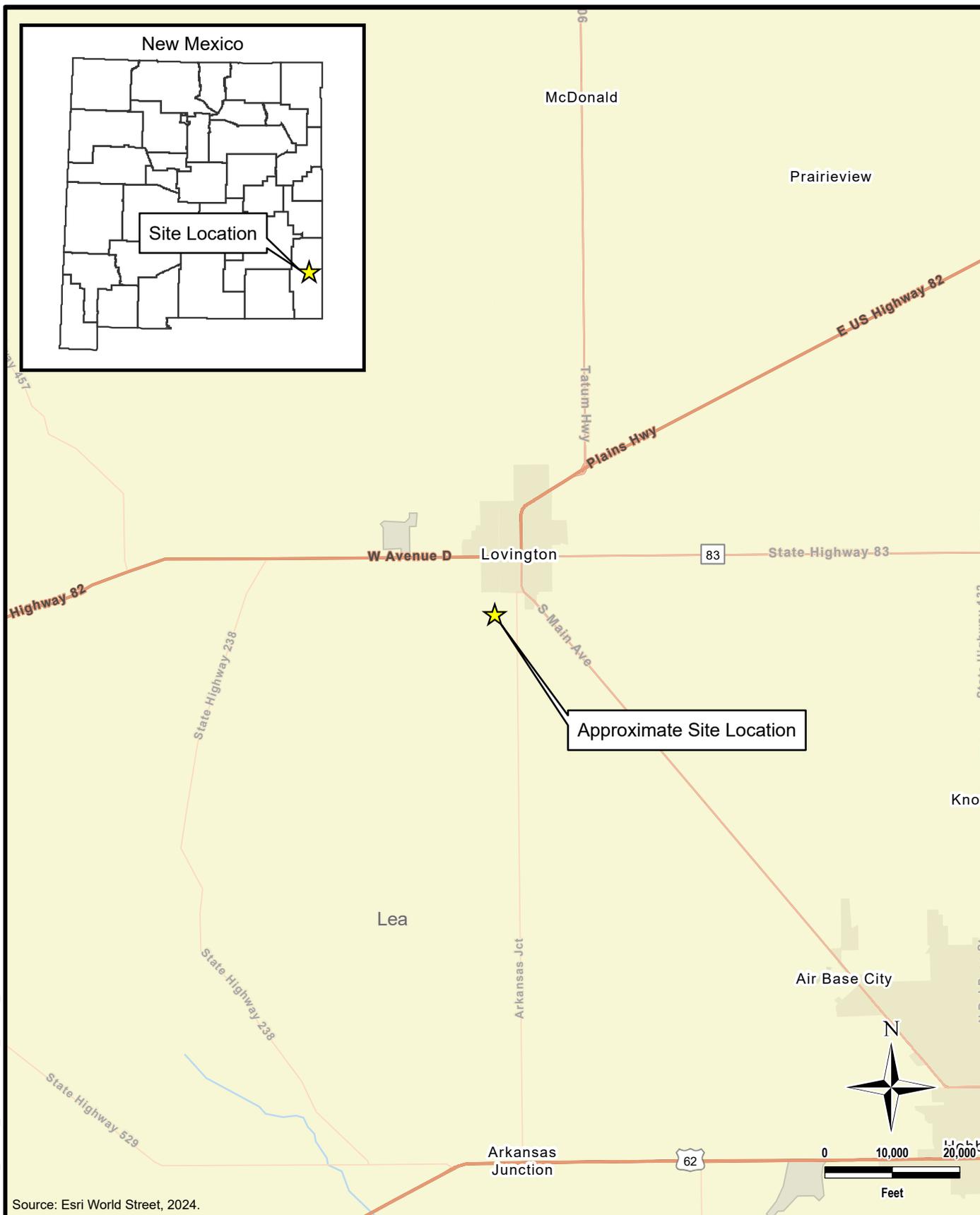
Attachments

- Attachment 1 – Site Characterization
- Attachment 2 – Photographic Documentation
- Attachment 3 – BLM Seed Mixture
- Attachment 4 – Laboratory Analytical Data
- Attachment 5 – Vegetation Survey

Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

FIGURES



Source: Esri World Street, 2024.

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TETRA TECH

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BTA OIL PRODUCERS, LLC

NAPP2507652940
(32.920550°, -103.361859°)
LEA COUNTY, NEW MEXICO

**GOLDEN TYCHE CTB RELEASE
OVERVIEW MAP**

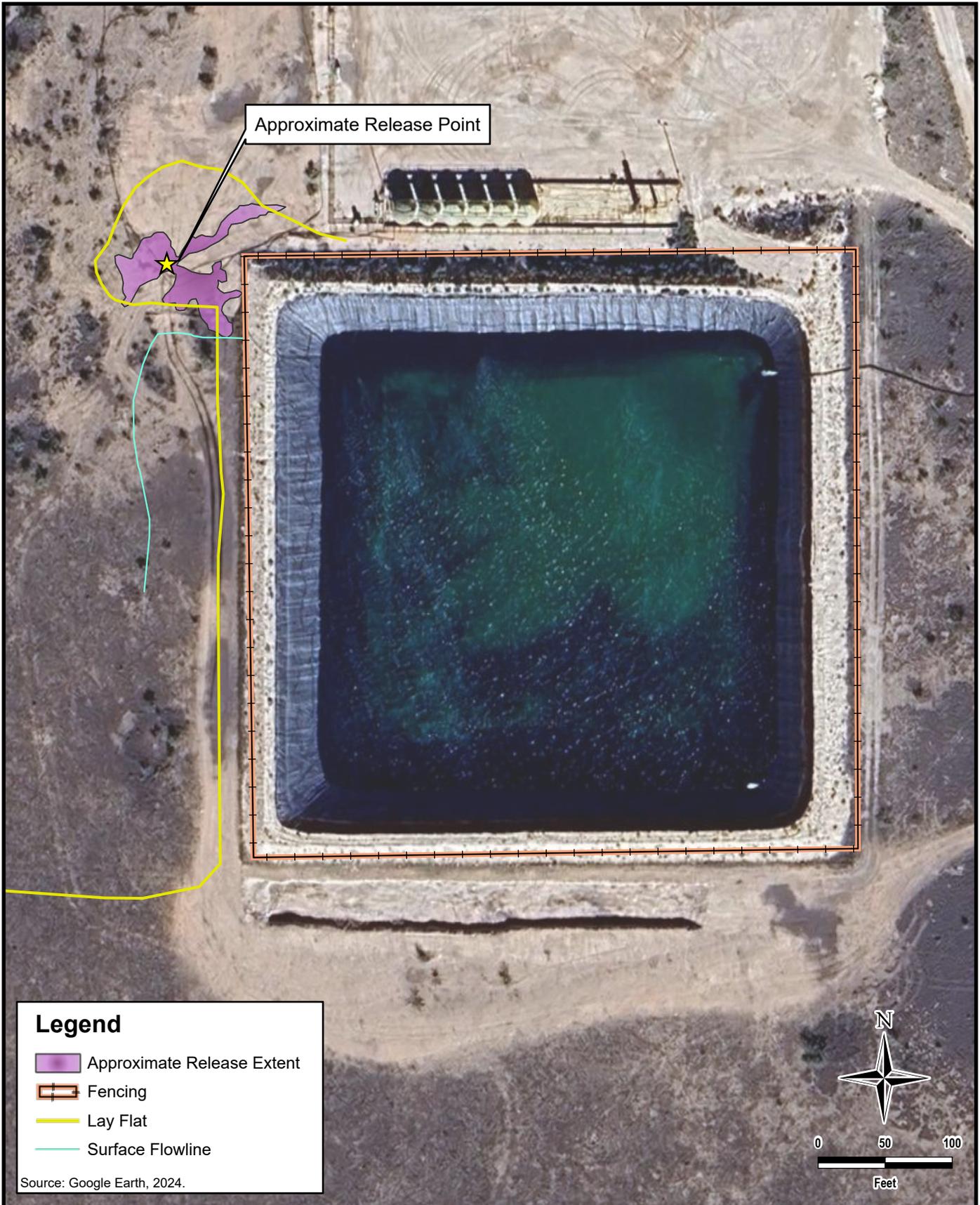
PROJECT NO.: 212C-MD-03828

DATE: NOVEMBER 19, 2025

DESIGNED BY: LMV

Figure No.

1



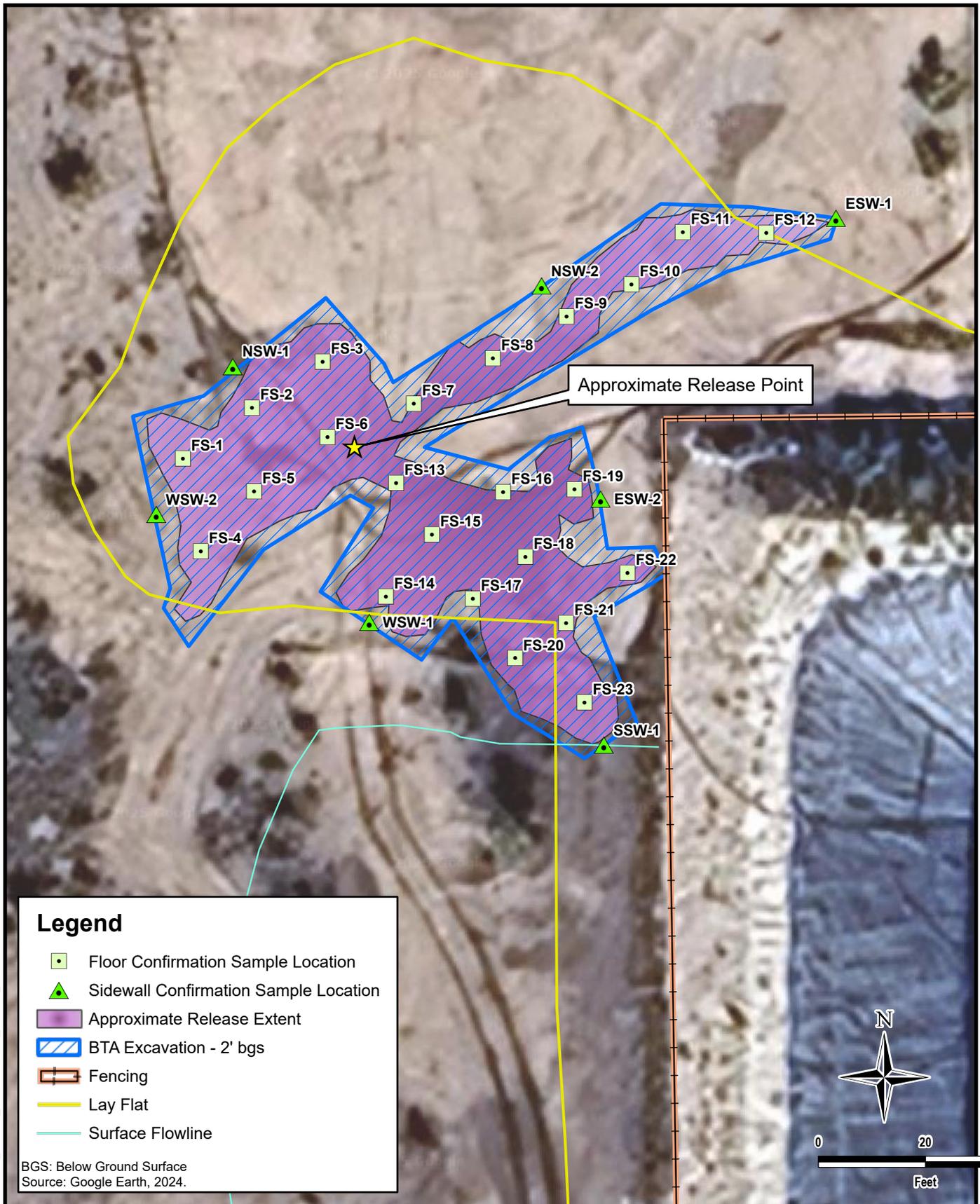
Legend

- Approximate Release Extent
- Fencing
- Lay Flat
- Surface Flowline

Source: Google Earth, 2024.

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 <p>TETRA TECH</p> <p>www.tetrattech.com</p> <p>901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</p>	<p>BTA OIL PRODUCERS, LLC</p> <p>NAPP2507652940 (32.920550°, -103.361859°) LEA COUNTY, NEW MEXICO</p>	<p>PROJECT NO.: 212C-MD-03828</p> <p>DATE: NOVEMBER 19, 2025</p> <p>DESIGNED BY: LMV</p>
	<p>GOLDEN TYCHE CTB RELEASE APPROXIMATE RELEASE EXTENT</p>	



Legend

- Floor Confirmation Sample Location
- ▲ Sidewall Confirmation Sample Location
- Approximate Release Extent
- BTA Excavation - 2' bgs
- Fencing
- Lay Flat
- Surface Flowline

BGS: Below Ground Surface
Source: Google Earth, 2024.

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	<p>GOLDEN TYCHE CTB RELEASE REMEDIAL ACTION AND CONFIRMATION SAMPLING LOCATIONS</p>	

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Golden Tyche CTB

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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - nAPP2507652940
BTA OIL PRODUCERS, LLC
GOLDEN TYCHE CTB RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	
ESW-1	9/22/2025	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-2	9/22/2025	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	9/22/2025	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	9/22/2025	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-2	9/22/2025	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-1	9/22/2025	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-2	9/22/2025	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3 (2')	9/22/2025	2	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-4 (2')	9/22/2025	2	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-5 (2')	9/22/2025	2	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-6 (2')	9/22/2025	2	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-7 (2')	9/22/2025	2	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-8 (2')	9/22/2025	2	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-9 (2')	9/22/2025	2	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-10 (2')	9/22/2025	2	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-11 (2')	9/22/2025	2	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-12 (2')	9/22/2025	2	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-1 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-13 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-14 (2')	9/23/2025	2	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-15 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-16 (2')	9/23/2025	2	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-17 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-18 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-19 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-20 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-21 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-22 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-23 (2')	9/23/2025	2	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

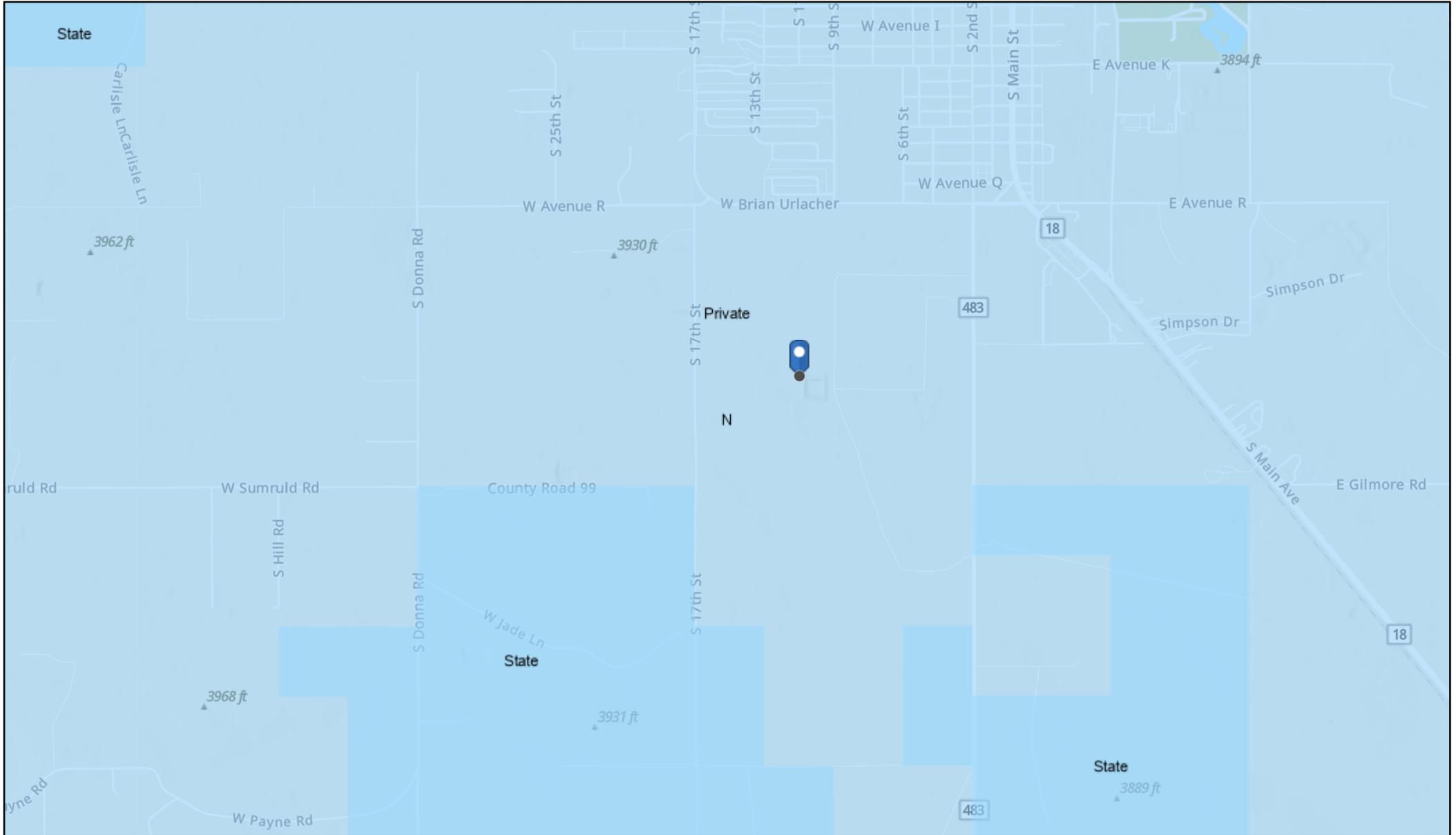
- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M

Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

ATTACHMENT 1 – SITE CHARACTERIZATION

OCD Land Ownership



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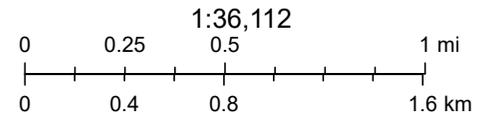
Mineral Ownership

N-No minerals are owned by the U.S.

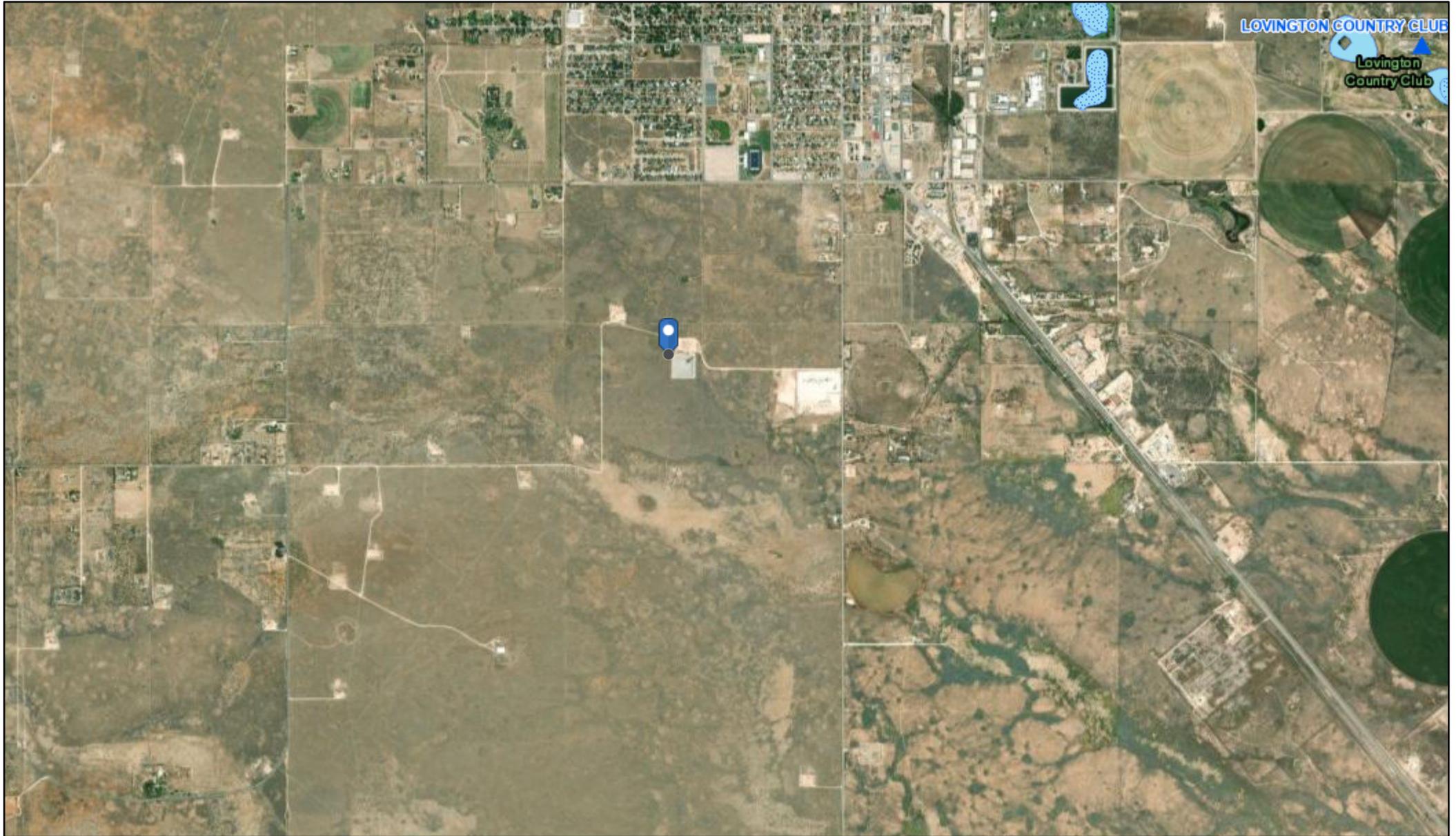
Land Ownership

P

S



U.S. BLM, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

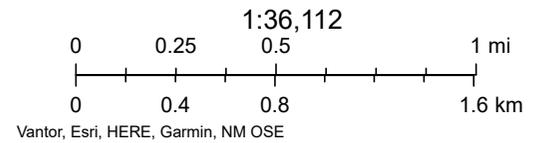


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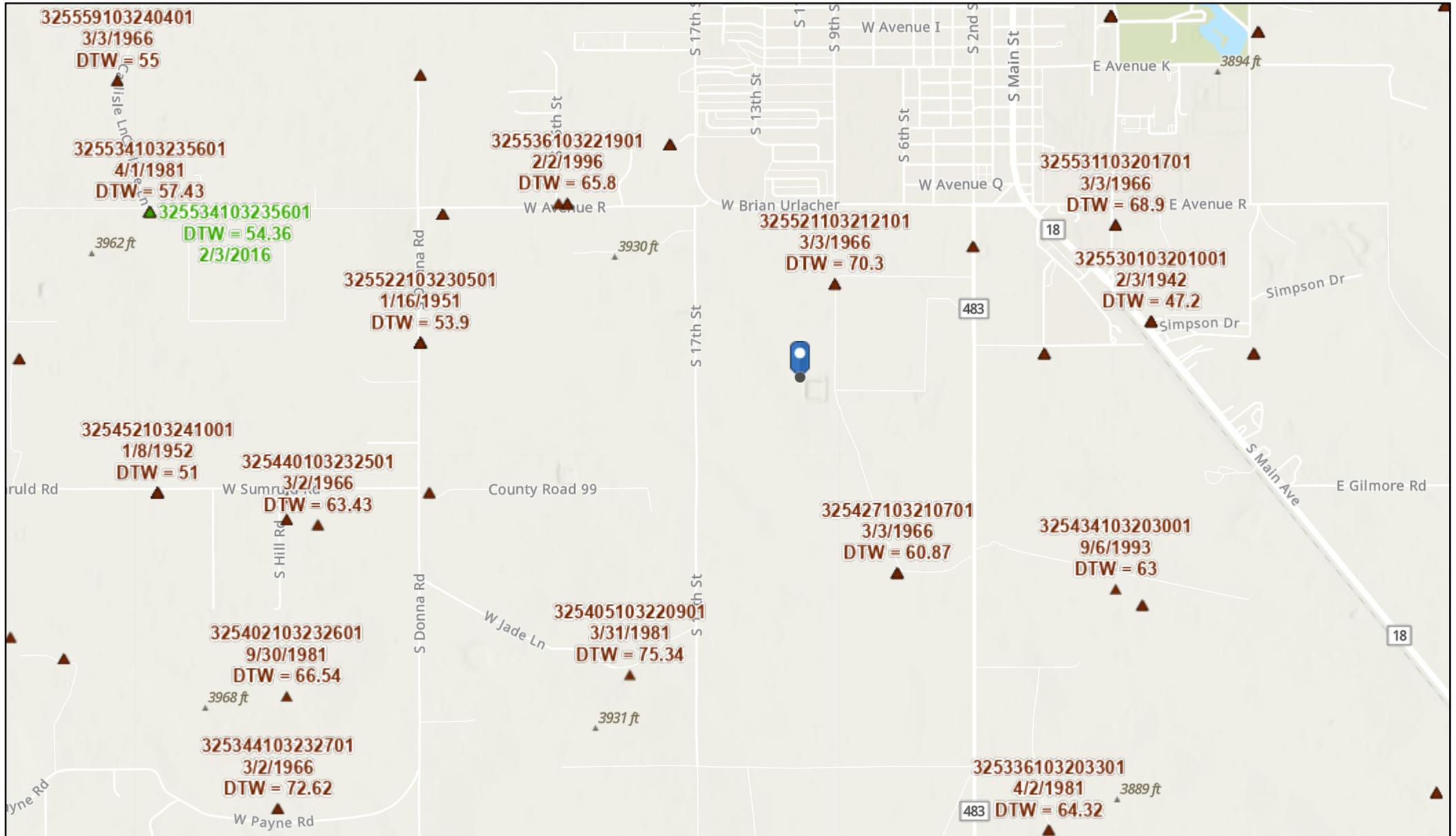
- OSW Water Bodys
- OSE Probable Playas

▲ NMED Drinking Water Systems

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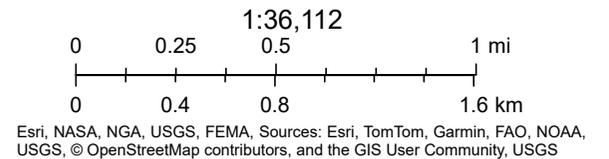


USGS Groundwater Wells



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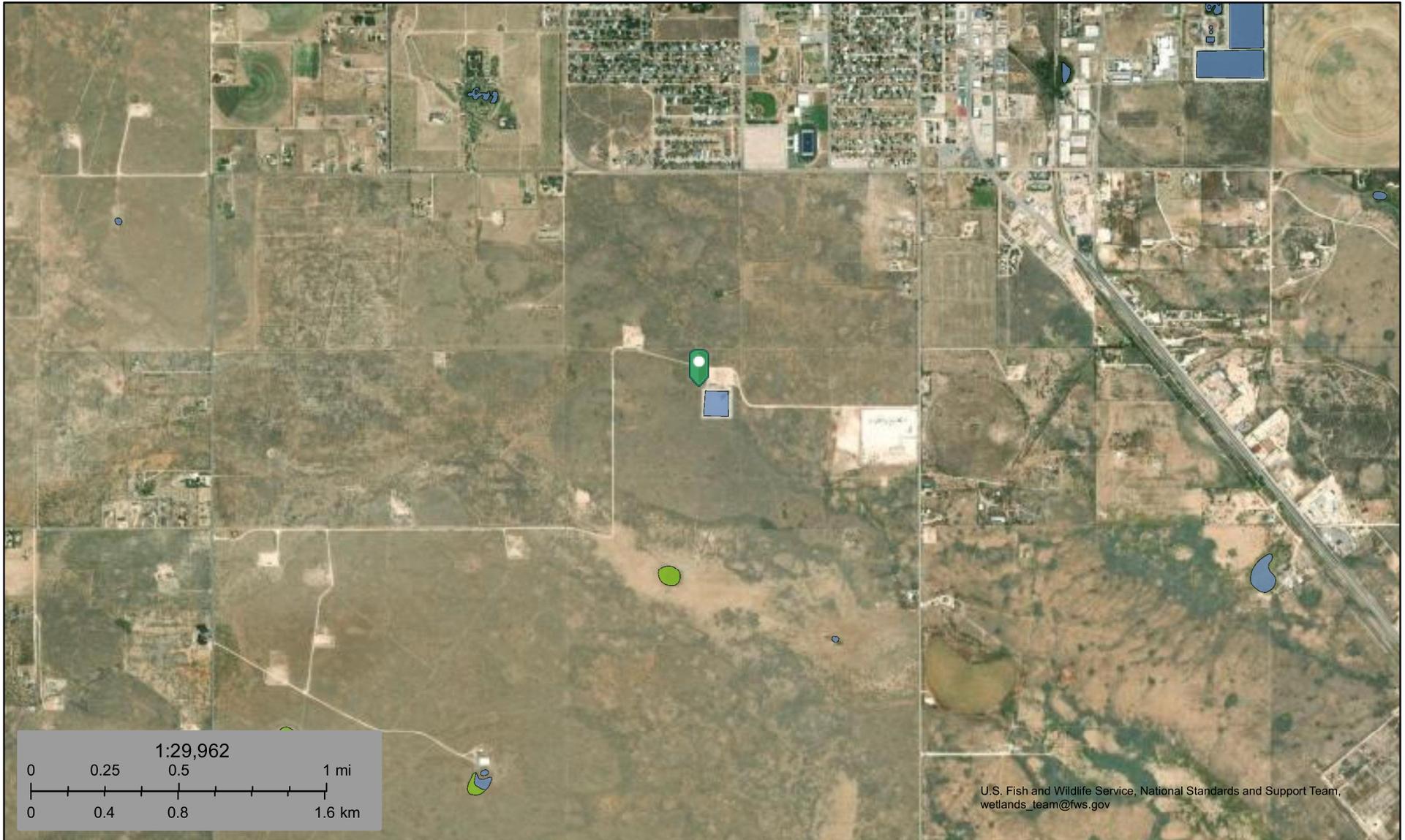
- ▲ USGS Historical GW Wells
- ▲ USGS Active Monitoring GW Wells





U.S. Fish and Wildlife Service National Wetlands Inventory

National Wetlands Inventory



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

November 17, 2025

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.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)		(In feet)	
													Distance	Well Depth	Depth Water	Water Column
L 00409	R	L	LE		SW	NE	16	16S	36E	653576.0	3644048.0 *	●	552	85		
L 00409 POD4		L	LE	NW	SW	NE	16	16S	36E	653475.0	3644147.0 *	●	564	193	65	128
L 03318		L	LE	NW	SW	NE	16	16S	36E	653475.0	3644147.0 *	●	564	85		
L 07649 POD3		L	LE		NE	SE	17	16S	36E	652370.0	3643622.0 *	●	805	140	71	69
L 00409 S		L	LE	NW	SE	NE	16	16S	36E	653879.0	3644155.0 *	●	856	202	65	137
L 07649 POD2		L	LE		SE	SE	17	16S	36E	652376.0	3643219.0 *	●	916	160	71	89
L 07649 POD5		L	LE		SE	SE	17	16S	36E	652376.0	3643219.0 *	●	916	140	70	70
L 15618 POD1		L	LE	NE	SE	SE	16	16S	36E	654104.7	3643419.9	●	963	192	75	117
L 00435		L	LE	NW	NE	NE	21	16S	36E	653899.0	3642945.0 *	●	1024	100		
L 00435	R	L	LE	NW	NE	NE	21	16S	36E	653899.0	3642945.0 *	●	1024	100		
L 00245		L	LE	NW	NW	SW	15	16S	36E	654290.0	3643760.0	●	1119	90		
L 00245	R	L	LE	NW	NW	SW	15	16S	36E	654290.0	3643760.0	●	1119	90		
L 00245 POD3	R	L	LE	SW	NW	SW	15	16S	36E	654290.0	3643560.0 *	●	1121	98		
L 15101 POD1		L	LE	NE	NE	NE	17	16S	36E	652410.5	3644502.3	●	1129	160	70	90
L 15599 POD1		L	LE	NW	NE	NE	16	16S	36E	653905.3	3644574.8	●	1163	205	95	110
L 10572		L	LE	NW	NE	NE	20	16S	36E	652282.0	3642915.0 *	●	1168	150	70	80

Average Depth to Water: **72 feet**

Minimum Depth: **65 feet**

Maximum Depth: **95 feet**

Record Count: 16

Basin/County Search:

County: LE

UTM Filters (in meters):

Eastng: 653173.92

Northng: 3643669.40

Radius: 001200

* UTM location was derived from PLSS - see Help

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

National Flood Hazard Layer FIRMMette



103°22'1"W 32°55'29"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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 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 11/7/2025 at 7:30 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.

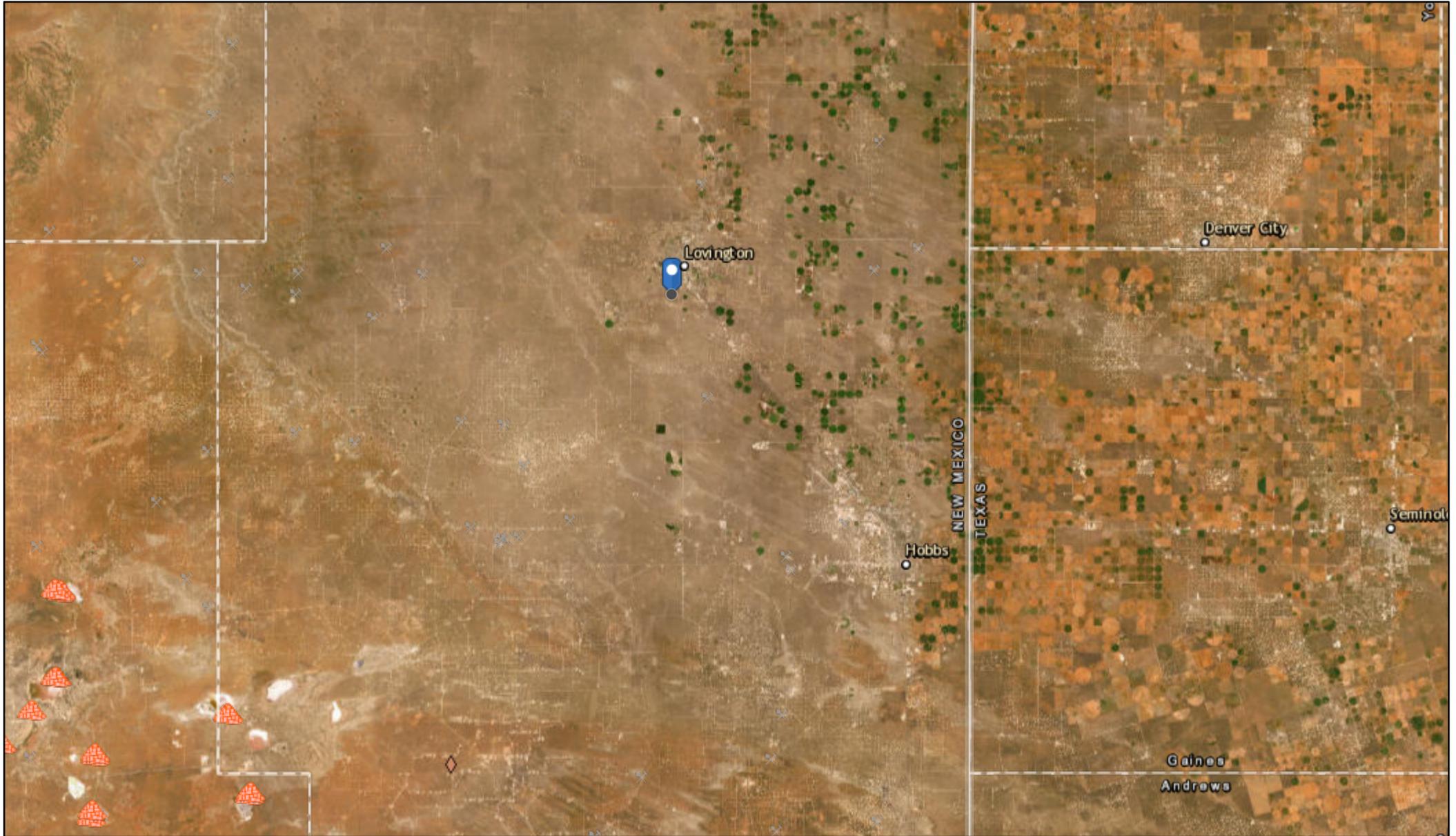
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



1:6,000

103°21'24"W 32°54'59"N

Active Mines in New Mexico



11/7/2025, 1:21:21 PM

Registered Mines

x Aggregate, Stone etc.

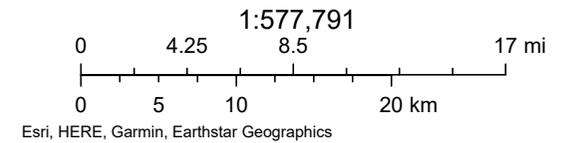
x Aggregate, Stone etc.

x Aggregate, Stone etc.

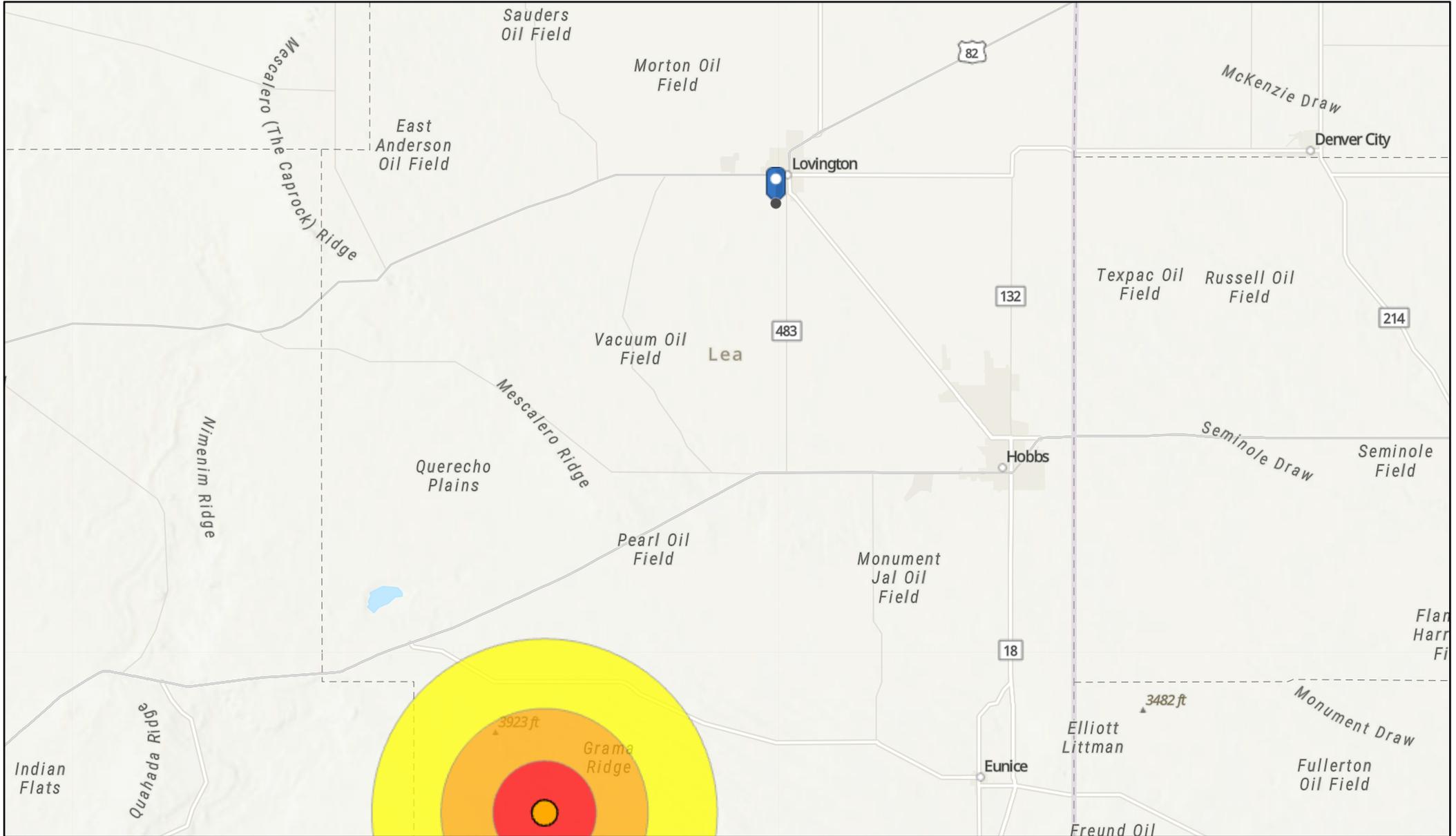
x Aggregate, Stone etc.

Industrial Minerals (Other)

Potash



OCD Induced Seismicity

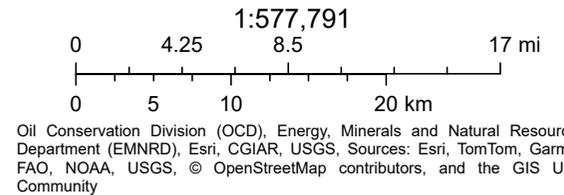


11/7/2025, 1:15:55 PM

Seismic Response 3.0 to 3.4

- 3 mi.
- 6 mi.
- 10 mi.
- 3.0 - 3.4

M2.5+ Earthquakes (2021+)



Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View of approximate release extent.	1
	SITE NAME	Golden Tyche CTB	N/A



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View of approximate release extent.	2
	SITE NAME	Golden Tyche CTB	N/A



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View of approximate release extent.	3
	SITE NAME	Golden Tyche CTB	N/A



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View east-northeast of excavation progress.	4
	SITE NAME	Golden Tyche CTB	3/28/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View south-southeast of excavation progress.	5
	SITE NAME	Golden Tyche CTB	3/28/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View of excavation progress.	6
	SITE NAME	Golden Tyche CTB	3/31/2025



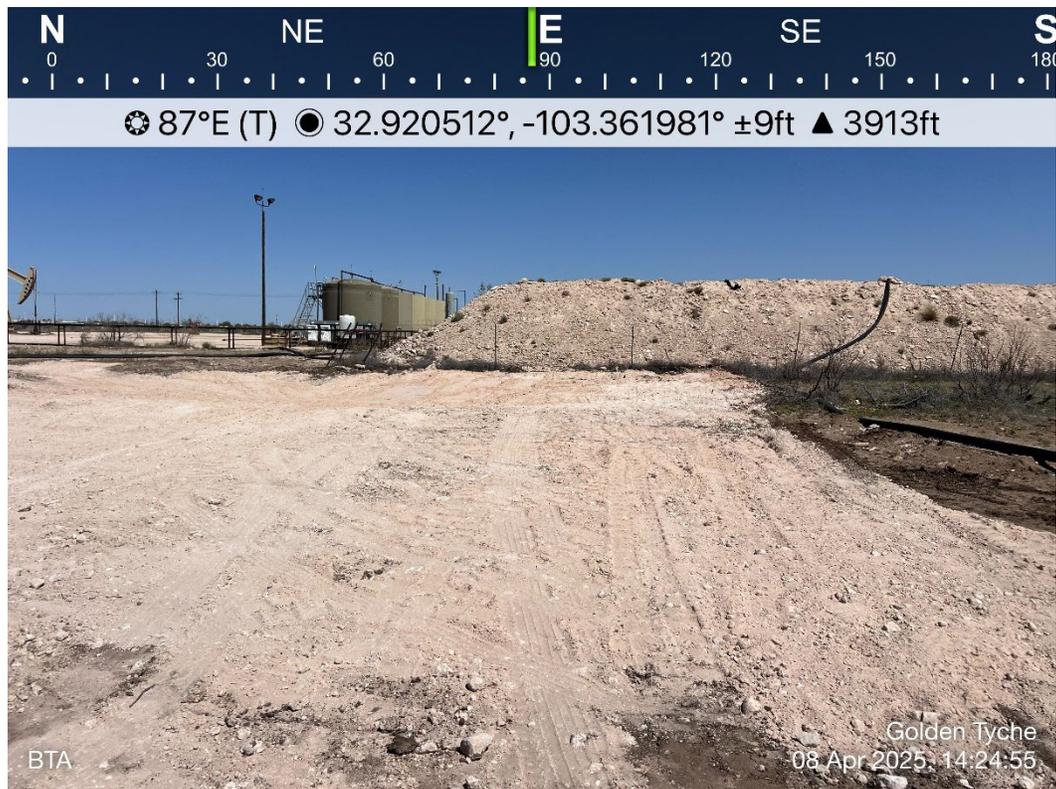
TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View of excavation progress.	7
	SITE NAME	Golden Tyche CTB	3/31/2025



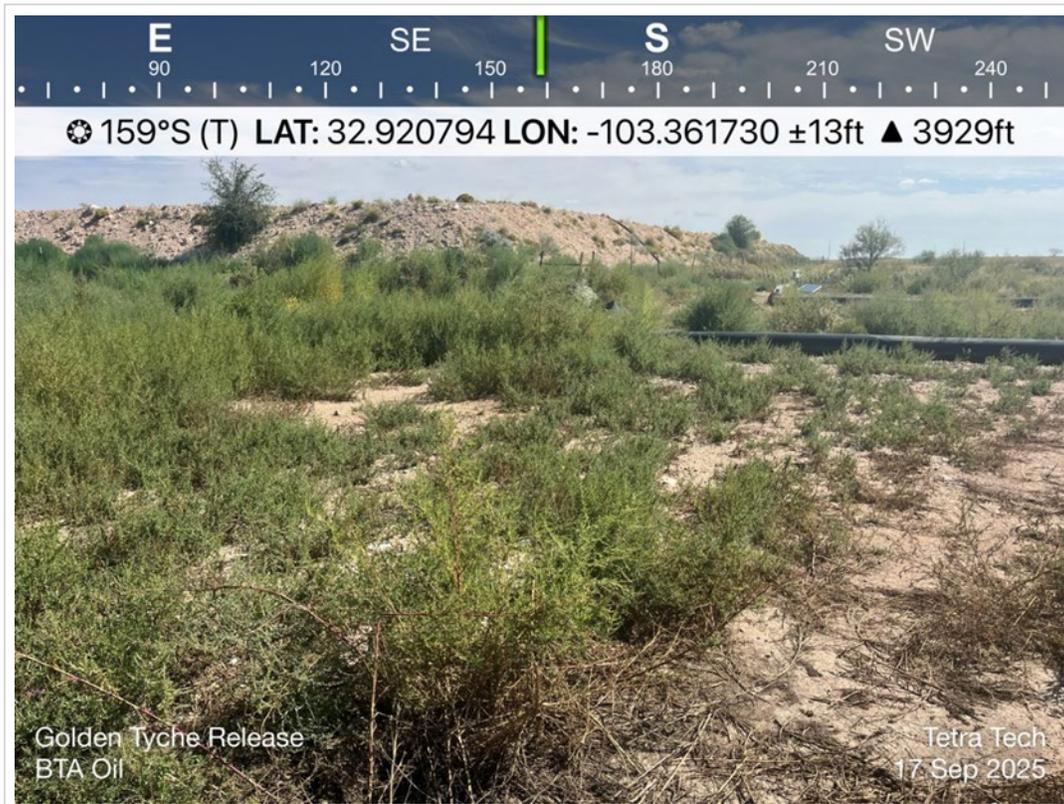
TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View north of backfilled excavation.	8
	SITE NAME	Golden Tyche CTB	4/8/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View north of backfilled excavation.	9
	SITE NAME	Golden Tyche CTB	4/8/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View east of backfilled excavation.	10
	SITE NAME	Golden Tyche CTB	4/8/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View south-southeast. Dense vegetation in previously remediated area.	11
	SITE NAME	Golden Tyche CTB	9/17/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View east. Dense vegetation in previously remediated area.	12
	SITE NAME	Golden Tyche CTB	9/17/2025



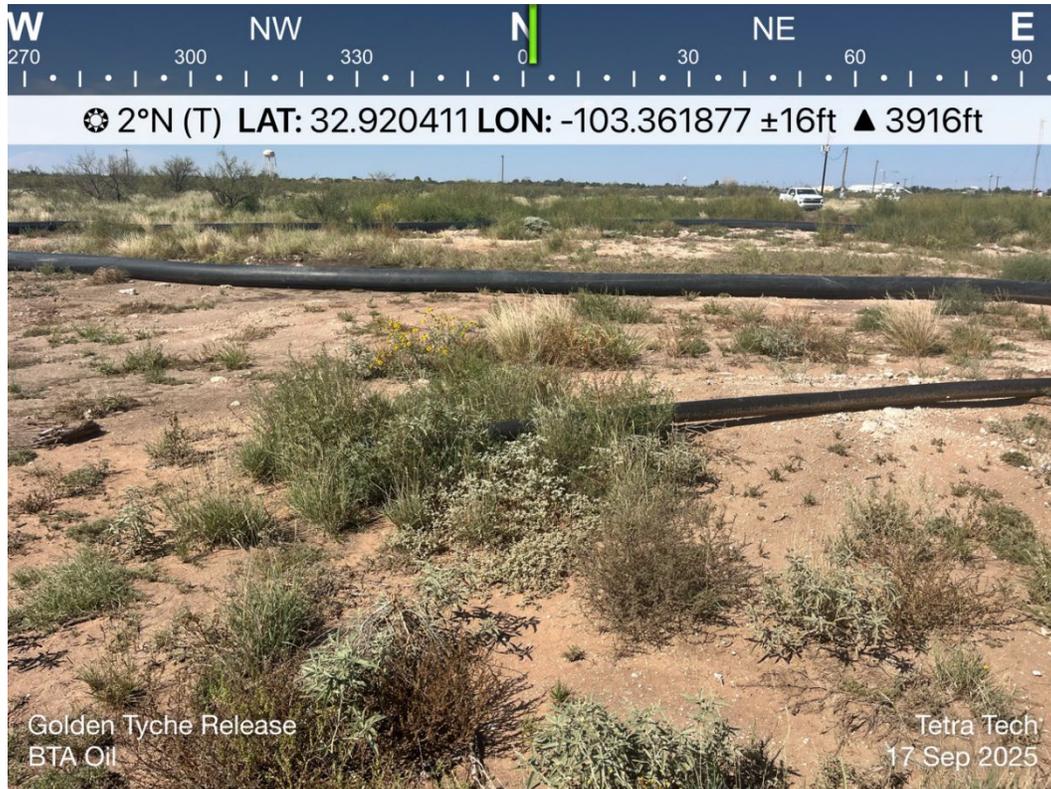
TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View west. Dense vegetation in previously remediated area.	13
	SITE NAME	Golden Tyche CTB	9/17/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View north. Dense vegetation in previously remediated area.	14
	SITE NAME	Golden Tyche CTB	9/17/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View northeast. Dense vegetation in previously remediated area.	15
	SITE NAME	Golden Tyche CTB	9/17/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03828	DESCRIPTION	View north. Dense vegetation in previously remediated area.	16
	SITE NAME	Golden Tyche CTB	9/17/2025

Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

ATTACHMENT 3 – BLM SEED MIXTURE



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico



November 20, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:303 if printed on A portrait (8.5" x 11") sheet.

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Custom Soil Resource Report

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 22, Sep 9, 2025

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 LEGEND

Area of Interest (AOI)	Spoil Area
Soil Map Unit Polygons	Stony Spot
Soil Map Unit Lines	Very Stony Spot
Soil Map Unit Points	Wet Spot
Special Point Features	Other
Blowout	Special Line Features
Borrow Pit	Water Features
Clay Spot	Streams and Canals
Closed Depression	Transportation
Gravel Pit	Rails
Gravelly Spot	Interstate Highways
Landfill	US Routes
Lava Flow	Major Roads
Marsh or swamp	Local Roads
Mine or Quarry	Background
Miscellaneous Water	Aerial Photography
Perennial Water	
Rock Outcrop	
Saline Spot	
Sandy Spot	
Severely Eroded Spot	
Sinkhole	
Slide or Slip	
Sodic Spot	

Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
So	Slaughter loam, 0 to 1 percent slopes	0.3	100.0%
Totals for Area of Interest		0.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Custom Soil Resource Report

Lea County, New Mexico**So—Slaughter loam, 0 to 1 percent slopes****Map Unit Setting**

National map unit symbol: 2tw2f
Elevation: 2,600 to 5,300 feet
Mean annual precipitation: 16 to 21 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 185 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Slaughter and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Slaughter**Setting**

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loamy eolian deposits from the blackwater draw formation of pleistocene age

Typical profile

A - 0 to 7 inches: loam
Bt - 7 to 17 inches: clay
Bkkm - 17 to 39 inches: cemented material
BCkk - 39 to 80 inches: extremely gravelly fine sandy loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 8 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 92 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): 4s
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: D
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Custom Soil Resource Report

Minor Components

Sharvana

Percent of map unit: 6 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: R077CY037TX - Very Shallow 16-21" PZ

Hydric soil rating: No

Friona

Percent of map unit: 5 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077CY022TX - Deep Hardland 16-21" PZ

Hydric soil rating: No

Stegall

Percent of map unit: 4 percent

Landform: Plains

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: R077CY022TX - Deep Hardland 16-21" PZ

Hydric soil rating: No

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

ATTACHMENT 4 - LABORATORY ANALYTICAL DATA



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

September 26, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: GOLDEN TYCHE CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/22/25 15:01.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: ESW - 1 (H255920-01)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/23/2025	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	09/23/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	245	123	200	0.0529	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 100 % 52.4-130

Surrogate: 1-Chlorooctadecane 104 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: ESW - 2 (H255920-02)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/23/2025	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	09/23/2025	ND	220	110	200	2.23	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	235	117	200	0.402	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: SSW - 1 (H255920-03)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: WSW - 1 (H255920-04)

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	09/24/2025	ND	1.95	97.7	2.00	1.96		
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 72.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: WSW - 2 (H255920-05)

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	09/24/2025	ND	1.95	97.7	2.00	1.96		
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 72.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: NSW - 1 (H255920-06)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: NSW - 2 (H255920-07)

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	09/24/2025	ND	1.95	97.7	2.00	1.96		
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 3 (2') (H255920-08)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 4 (2') (H255920-09)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 5 (2') (H255920-10)

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	09/24/2025	ND	1.95	97.7	2.00	1.96		
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 6 (2') (H255920-11)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 7 (2') (H255920-12)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 8 (2') (H255920-13)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 9 (2') (H255920-14)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 10 (2') (H255920-15)

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	09/24/2025	ND	1.95	97.7	2.00	1.96		
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163		
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.3 % 39.9-141

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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 11 (2') (H255920-16)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/23/2025	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	09/23/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/22/2025	Sampling Date:	09/22/2025
Reported:	09/26/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 12 (2') (H255920-17)

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	09/24/2025	ND	1.95	97.7	2.00	1.96	
Toluene*	<0.050	0.050	09/24/2025	ND	1.91	95.5	2.00	2.18	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.85	92.7	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.46	91.0	6.00	2.25	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/23/2025	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	09/24/2025	ND	196	98.1	200	0.163	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	203	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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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: Left Tech
 Project Manager: Sawantla Allen
 Address: _____
 City: _____ State: _____ Zip: _____
 P.O. #: 2006
 Company: Left Tech
 Attn: Sawantla Allen
 Address: _____
 City: _____ State: _____ Zip: _____
 Project #: 212C-140-03828 Project Owner: _____
 Project Name: Golden Trade CTB
 Project Location: Lea County NM
 Sampler Name: William Eledra

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	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
<u>HSS921</u>	<u>ESU-1</u>	C	1	SOIL			<u>9/22/05</u>	<u>7:00</u>	<u>BTEX</u>
	<u>ESU-2</u>	C	1	SOIL				<u>7:15</u>	<u>TPH</u>
	<u>FSU-1</u>	C	1	SOIL				<u>7:20</u>	<u>Chloride</u>
	<u>WSU-1</u>	C	1	SOIL				<u>7:30</u>	
	<u>WSU-2</u>	C	1	SOIL				<u>7:40</u>	
	<u>NSU-1</u>	C	1	SOIL				<u>7:50</u>	
	<u>NSU-2</u>	C	1	SOIL				<u>8:00</u>	
	<u>FS-3 (2')</u>	C	1	SOIL				<u>8:45</u>	
	<u>FS-4 (2')</u>	C	1	SOIL				<u>9:15</u>	
	<u>FS-5 (2')</u>	C	1	SOIL				<u>9:45</u>	

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Relinquished By: William Eledra
 Date: 9/22/05
 Time: 15:01
 Received By: Sawantla Allen
 Date: _____
 Time: _____

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: _____
 Observed Temp. °C: 28
 Corrected Temp. °C: 3.1
 Sample Condition: Intact Cool Yes No
 CHECKED BY: SA
 Turnaround Time: _____
 Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No

REMARKS: Sawantla.Allen@lefttech.com thinker@braile.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

Company Name: Jetra Tech		BILL TO	
Project Manager: Samantha Allen		P.O. #: 27008	
Address:		Company: BTA	
City:	State:	Attn:	
Phone #:	Fax #:	Address:	
Project #: 212C-MD-05888	Project Owner:	City:	
Project Name: Golden Tech CTB		State:	
Project Location: Lea County, NM		Phone #:	
Sampler Name: William Edder		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H255920	FS-6 (2')	C	1			X			X	9/22/05	10:15	BTEX	
	FS-7 (2')	C	1							10:30	10:30	TPH	
	FS-8 (2')	C	1							10:45	10:45	Chloride	
	FS-9 (2')	C	1							11:15	11:15		
	FS-10 (2')	C	1							11:45	11:45		
	FS-11 (2')	C	1							12:15	12:15		
	FS-12 (2')	C	1							12:45	12:45		

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Relinquished By: William Edder	Date: 9/22/05	Received By: Samantha Allen	Date: 9/22/05
Time: 15:01	Time: 15:01	Time: 15:01	Time: 15:01

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	SA
TURNAROUND TIME: _____	Thermometer ID #140	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) <input type="checkbox"/>
Correction Factor +0.3°C	Correction Factor	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Condition <input type="checkbox"/>
		Observed Temp. °C	Observed Temp. °C
		Corrected Temp. °C	Corrected Temp. °C



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

September 29, 2025

SAMANTHA ALLEN

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: GOLDEN TYCHE CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/23/25 14:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 1 (2.0') (H255956-01)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 2 (2.0') (H255956-02)

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	09/24/2025	ND	1.76	88.2	2.00	8.47		
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND						

Surrogate: 1-Chlorooctane 90.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 13 (2.0') (H255956-03)

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	09/24/2025	ND	1.76	88.2	2.00	8.47		
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND						

Surrogate: 1-Chlorooctane 97.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 14 (2.0') (H255956-04)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 15 (2.0') (H255956-05)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 16 (2.0') (H255956-06)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 17 (2.0') (H255956-07)

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	09/24/2025	ND	1.76	88.2	2.00	8.47		
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84		
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND						

Surrogate: 1-Chlorooctane 79.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 18 (2.0') (H255956-08)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 19 (2.0') (H255956-09)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 20 (2.0') (H255956-10)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 21 (2.0') (H255956-11)

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	09/24/2025	ND	1.76	88.2	2.00	8.47	
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	206	103	200	2.84	
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	220	110	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND					

Surrogate: 1-Chlorooctane 90.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 22 (2.0') (H255956-12)

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	09/24/2025	ND	1.76	88.2	2.00	8.47		
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	215	107	200	3.12		
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND						

Surrogate: 1-Chlorooctane 99.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 SAMANTHA ALLEN
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/23/2025	Sampling Date:	09/23/2025
Reported:	09/29/2025	Sampling Type:	Soil
Project Name:	GOLDEN TYCHE CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03828	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA CO NM		

Sample ID: FS - 23 (2.0') (H255956-13)

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	09/24/2025	ND	1.76	88.2	2.00	8.47		
Toluene*	<0.050	0.050	09/24/2025	ND	1.88	93.9	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	1.92	95.8	2.00	4.68		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	5.94	98.9	6.00	4.13		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/24/2025	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	09/24/2025	ND	215	107	200	3.12		
DRO >C10-C28*	<10.0	10.0	09/24/2025	ND	208	104	200	2.72		
EXT DRO >C28-C36	<10.0	10.0	09/24/2025	ND						

Surrogate: 1-Chlorooctane 98.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Re-Vegetation Closure Report
Golden Tyche CTB

BTA Oil Producers, LLC
November 24, 2025

ATTACHMENT 5 - DATA VEGETATION SURVEY

VEGETATION DATA FORM

Project: BTA Oil Producers LLC, Golden Tyche CTB	County: Lea County
Date: 9/17/2025	Sample Point: V1A
GENERAL HABITAT TYPE: Mesquite Upland Scrub	

DOMINANT VEGETATION		
Tree Stratum (Plot Size: 30')	% Cover	Height (ft.)
1. N/A		
2.		
3.		
4.		
5.		
Total Cover	0%	
Shrub Stratum (Plot Size: 15')		
1. Neltuma glandulosa	10%	1 - 5
2. Cyllindropuntia fulgida	5%	1- 3
3.		
4.		
5.		
6.		
7.		
Total Cover	15%	
Herb Stratum (Plot Size: 5')		
1. Kali tragus	30%	0.5 - 3
2. Hilaria mutica	20%	0.25 - 1
3. Setaria leucopila	10%	0.5 - 1.5
4. Gutierrezia sarothrae	5%	0.25 - 1
5. Tidestromia lanuginosa	3%	0.25- 0.5
6.		
7.		
Total Cover	68%	
Woody Vine Stratum (Plot Size: 30')		
1. N/A		
2.		
Total Cover	0%	

Definitions of Habitat Type:

- Creosote Bush, Mixed Desert, and Thorn Scrub** – Creosote bush dominated scrubland with mixed shrub species; grasses are sparse.
- Mesquite Upland Scrub** – Mesquite dominated shrubland, often mixed with acacia species and juniper; grasses are sparse.
- Sand Sagebrush Steppe** – Sand sagebrush dominated shrubland (sagebrush and/or shinnery), often associated with dune systems; coverage can be sparse to moderately dense.
- Mixed Desert Shrub Steppe** – Dry, open grasslands with open to moderately dense shrub coverage.
- Shortgrass Prairie** – Shortgrass dominated grasslands that are extremely drought- and grazing-tolerant, often characterized by blue grama/buffalo grass.
- Mixed Desert Riparian Woodland/Shrubland** – Woodlands and shrublands that occur along low elevation rivers and streams, often in desert valleys. Frequently characterized by cottonwood, willow, alder and various rush, sedge and grass species.

Definitions of Vegetation Strata:

- Tree** – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
- Shrub** – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
- Herb** – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Include woody plants, except woody vines, less than approximately 3 ft. (1 m) in height.
- Woody vine** – All woody vines, regardless of height.

Notes:

Photographic Record

Company: BTA Oil Producers LLC

Project: BTA Oil Producers LLC, Golden Tyche CTB

Photographer: Andrew Garcia

Location: Lea County

Date: 9/17/2025

Feature ID: V1A



North



East



South



West

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QUESTIONS

Action 530215

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507652940
Incident Name	NAPP2507652940 GOLDEN TYCHE CTB @ 30-025-44198
Incident Type	Produced Water Release
Incident Status	Re-vegetation Report Received
Incident Well	[30-025-44198] GOLDEN TYCHE 1621 STATE #001H
Incident Facility	[fAPP2402449798] Golden Tyche Battery

Location of Release Source

Please answer all the questions in this group.

Site Name	Golden Tyche CTB
Date Release Discovered	03/17/2025
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 8 BBL Recovered: 4 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

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

Initial Response

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

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

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 11/26/2025
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QUESTIONS, Page 3

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1/2 and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	224
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/28/2025
On what date will (or did) the final sampling or liner inspection occur	09/22/2025
On what date will (or was) the remediation complete(d)	04/08/2025
What is the estimated surface area (in square feet) that will be reclaimed	4980
What is the estimated volume (in cubic yards) that will be reclaimed	370
What is the estimated surface area (in square feet) that will be remediated	4980
What is the estimated volume (in cubic yards) that will be remediated	370
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fJEG1635837366 OWL LANDFILL JAL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 11/26/2025
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	506533
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/22/2025
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	4980

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4980
What was the total volume (cubic yards) remediated	370
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4980
What was the total volume (in cubic yards) reclaimed	370
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted between March 25 and April 8, 2025, when approximately 370 cubic yards of contaminated soil was excavated. Tetra Tech mobilized to the Site and conducted Site Assessment Sampling of the apparent release footprint to validate the apparent remediation at the apparent release Site. Sample results identified no further remediation was required. Tetra Tech collected 23 five-point composite floor samples and seven five-point composite side wall samples from the previously excavated areas. Laboratory analytical results for final confirmation samples reported concentrations of BTEX, TPH, and chloride as less than the respective Reclamation Requirements, demonstrating clean margins. Backfilling of the excavated area was completed with 370 cubic yards of clean topsoil. The disturbed areas of impacted pastureland have been graded back to match the surrounding topography and the pre-existing condition to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns. The area was then seeded with Bureau of Land Management (BLM) Seed Mixture for Loamy Sites.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 11/26/2025
--	---

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QUESTIONS, Page 7

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	4980
What was the total volume of replacement material (in cubic yards) for this site	370
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/08/2025
Summarize any additional reclamation activities not included by answers (above)	Backfilling of the excavated area was completed with 370 cubic yards of clean topsoil. The disturbed areas of impacted pastureland have been graded back to match the surrounding topography and the pre-existing condition to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns. The area was then seeded with Bureau of Land Management (BLM) Seed Mixture for Loamy Sites.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 11/26/2025

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QUESTIONS, Page 8

Action 530215

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 530215
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	Yes
What was the total revegetation surface area (in square feet) for this site	3735
<i>Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site.</i>	
On what date did the reseeded commence	04/08/2025
On what date was the vegetative cover inspected	09/17/2025
What was the life form ratio compared to pre-disturbance levels	65
What was the total percent plant cover compared to pre-disturbance levels	73
Summarize any additional revegetation activities not included by answers (above)	In accordance with 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Based on observations made during the Site inspection, uniform vegetative cover has been established that reflects a lifeform ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, in accordance with 19.15.29.13 NMAC
<i>The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the re-vegetation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 11/26/2025
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 530215

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The revegetation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	2/11/2026