

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Length(Ft)	Width(Ft)	Depth(In)
70.000	20.000	6.000
Cubic Feet Impacted		700.000
Barrels		124.67
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		18.70
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released	18.70000	

Instructions
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	70
Width (ft)	20
Depth (in)	6.000









Pima Environmental Services, LLC
5614 N. Lovington Hwy.
Hobbs, NM 88240
575-964-7740

December 3, 2024

NMOCD District 2
811 S. First Street
Artesia, NM 88210

Bureau of Land Management
620 East Green Street
Carlsbad, NM 88220

**Re: Site Assessment, Remediation, and Closure Report
Thunder Road Federal #007
API No. 30-015-36417
GPS: Latitude 32.8264465 Longitude -103.9931259
UL "B", Sec. 20, T17S, R30E
Eddy County, NM
NMOCD Inspection No. iTZM2426830401
Violation No. cTZM2427143327**

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy to conduct a spill assessment, perform remediation activities, and prepare this closure report in response to a New Mexico Oil Conservation Division (NMOCD) field inspection at the Thunder Road Federal #007 (Thunder Road). The initial inspection took place on September 24, 2024, and the violation was assigned number cTZM2427143327 by the NMOCD.

Site Characterization

The Thunder Road is located approximately 0.90-mile northwest of Loco Hills, NM. This spill site is in Unit B, Section 20, Township 17S, Range 30E, Latitude 32.8264465, Longitude -103.9931259, Lea County, NM. Figure 1 references a location map.

According to the New Mexico Bureau of Geology and Mineral Resources, the geological classification of the area Eolian and piedmont deposits from the Holocene to middle Pleistocene eras, as detailed in Appendix B. The predominant soil type in this region is the Berino complex, characterized by 0 to 3 percent slopes, as identified in the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are classified as well-drained. Additionally, the geological assessment indicates a low potential for karst geology near the Thunder Road (see Figure 3).

According to the New Mexico Office of the State Engineer, the nearest groundwater in this area is approximately 80 feet below ground surface (BGS), based on water well RA11914 POD 1, located about 0.46 miles from the site and drilled on March 19, 2013. Similarly, data from the United States Geological Survey (USGS) indicates that the closest groundwater well, USGS 325448104071801, is approximately 9.58 miles away, with a recorded water depth of 25 feet BGS, drilled on January 28, 2015. For precise locations, please refer to Appendix A, which includes a detailed water well map illustrating both the OSE and USGS well positions. The nearest significant watercourse is an unnamed flat lake, situated approximately 11.24 miles to the northwest, as shown in Appendix A. Additional details regarding these water surveys can also be found in Appendix A.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100' RA11914 POD 1	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic map.

Release Information

NMOCD Inspection No. iTZM2426830401

Violation No. cTZM2427143327

On September 24, 2024, NMOCD inspector Timothy Martin conducted a routine field inspection at the Thunder Road Federal #007. During the inspection, he identified a heavily stained area approximately 20 feet wide and 70 feet long, extending from the wellhead to the edge of the location. The site requires cleanup to comply with regulatory standards.

Site Assessment and Soil Sampling Results

On October 21, 2024, Pima Environmental Services mobilized personnel to the site to conduct delineation activities. Sampling procedures were performed from the area surrounding the well head. Three bottom samples (S1-S3) were collected for vertical delineation. The results from this sampling event are presented in the accompanying data table, with the complete laboratory report included in Appendix D.

10-21-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <u>51-100'</u>)								
Spur Energy/Thunder Road Federal #007								
Sample Date:10/21/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	4'	ND	ND	ND	ND	ND	0	2740
	11'	ND	ND	ND	ND	ND	0	4110
	15'	ND	ND	ND	ND	ND	0	804
	20'	ND	ND	ND	ND	ND	0	ND
S2	4'	ND	ND	ND	ND	ND	0	2720
	11'	ND	ND	ND	ND	ND	0	3950
	15'	ND	ND	ND	ND	ND	0	570
	20'	ND	ND	ND	ND	ND	0	ND
S3	4'	ND	ND	ND	ND	ND	0	2640
	11'	ND	ND	ND	ND	ND	0	3950
	15'	ND	ND	ND	ND	ND	0	792
	20'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

From November 19 to November 22, Pima Environmental, in collaboration with SDR Excavating, deployed a heavy equipment operator and a field technician to address the impacted area. Soil samples S1 and S2 were excavated to a depth of 1 foot below ground surface (BGS), while the section containing soil sample S3 was excavated to a depth of 0.5 feet BGS. The excavation spanned approximately 2,400 square feet and resulted in the removal of about 75 cubic yards of contaminated soil. All excavated materials were securely transported to R360 and Lea Land, both NMOCD-approved disposal facilities.

On November 21, 2024, a Pima field technician conducted a confirmation sampling event at the Thunder Road site. Twelve bottom samples (CS1–CS12) were collected from the base of the excavation, ranging from 0.5 to 1 foot below ground surface (BGS). The excavated area at 0.5 feet covered approximately 890 square feet, while the area excavated to 1 foot covered about 1,550 square feet. Additionally, eight sidewall samples (CSW1–CSW8) were collected, spanning the vertical extent of the excavation sidewalls

from bottom to top. Each soil sample was a 5-point composite, in compliance with the NMOCD's 200-square-foot rule. The results from this sampling event are summarized in the accompanying data table.

11-21-24 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <u>51-100'</u>)								
Spur Energy/Thunder Road Federal #007								
Sample Date:11-21-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	0.5'	ND	ND	ND	ND	ND	0	1770
CS2	0.5'	ND	ND	ND	ND	ND	0	1160
CS3	0.5'	ND	ND	ND	ND	ND	0	1110
CS4	1'	ND	ND	ND	ND	ND	0	1750
CS5	1'	ND	ND	ND	ND	ND	0	2590
CS6	0.5'	ND	ND	ND	ND	ND	0	3020
CS7	1'	ND	ND	ND	ND	ND	0	2840
CS8	1'	ND	ND	ND	ND	ND	0	2760
CS9	1'	ND	ND	ND	41.2	ND	41.2	1410
CS10	1'	ND	ND	ND	ND	ND	0	946
CS11	1'	ND	ND	ND	ND	ND	0	1140
CS12	1'	ND	ND	ND	ND	ND	0	1120
CSW1	0-0.5'	ND	ND	ND	ND	ND	0	ND
CSW2	0-0.5'	ND	ND	ND	ND	ND	0	ND
CSW3	0-0.5'	ND	ND	ND	ND	ND	0	ND
CSW4	0-1'	ND	ND	ND	ND	ND	0	ND
CSW5	0-1'	ND	ND	ND	ND	ND	0	ND
CSW6	0-1'	ND	ND	ND	ND	ND	0	ND
CSW7	0-1'	ND	ND	ND	ND	ND	0	ND
CSW8	0-0.5'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Each soil sample was a 5-point composite derived from the excavated area, specifically representing an area not exceeding 200 square feet of the open excavation. A total of twenty (20) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech in Farmington, New Mexico (Appendix D).

Upon confirmation that all soil samples met the closure standards set by the New Mexico Oil Conservation Division (NMOCD), clean backfill material was brought in and utilized to restore the excavated area, returning it to its original state.

Closure Request

After careful review, Pima requests that this violation number, cTZM2427143327, be closed. Spur Energy has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

For questions or additional information, please feel free to contact:
 Spur Energy – Katherine Purvis at 575-441-8619 or katherine.purvis@spurenergy.com
 Pima Environmental Services – Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Attachments

- Figures:
- 1- Location Map
 - 2- Topographic Map
 - 3- Karst Map
 - 4- Initial Site Map
 - 5- Confirmation Site Map

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Map

Appendix C – Photographic Documentation

Appendix D – Laboratory Reports

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map



Figure 4- Site Map

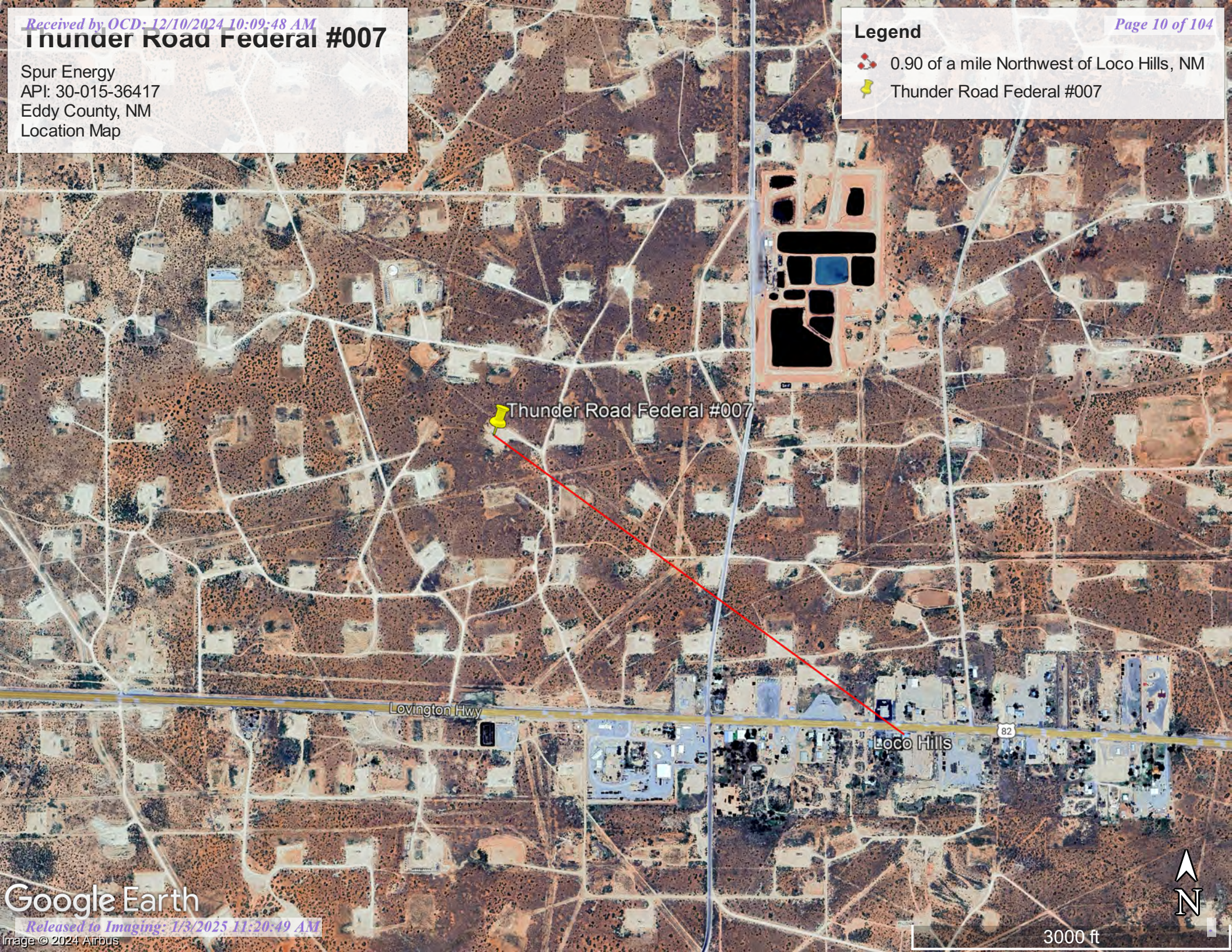
Figure 5- Confirmation Sample Map

Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
Location Map

Legend

-  0.90 of a mile Northwest of Loco Hills, NM
-  Thunder Road Federal #007



Thunder Road Federal #007

Lovington Hwy

Loco Hills

82

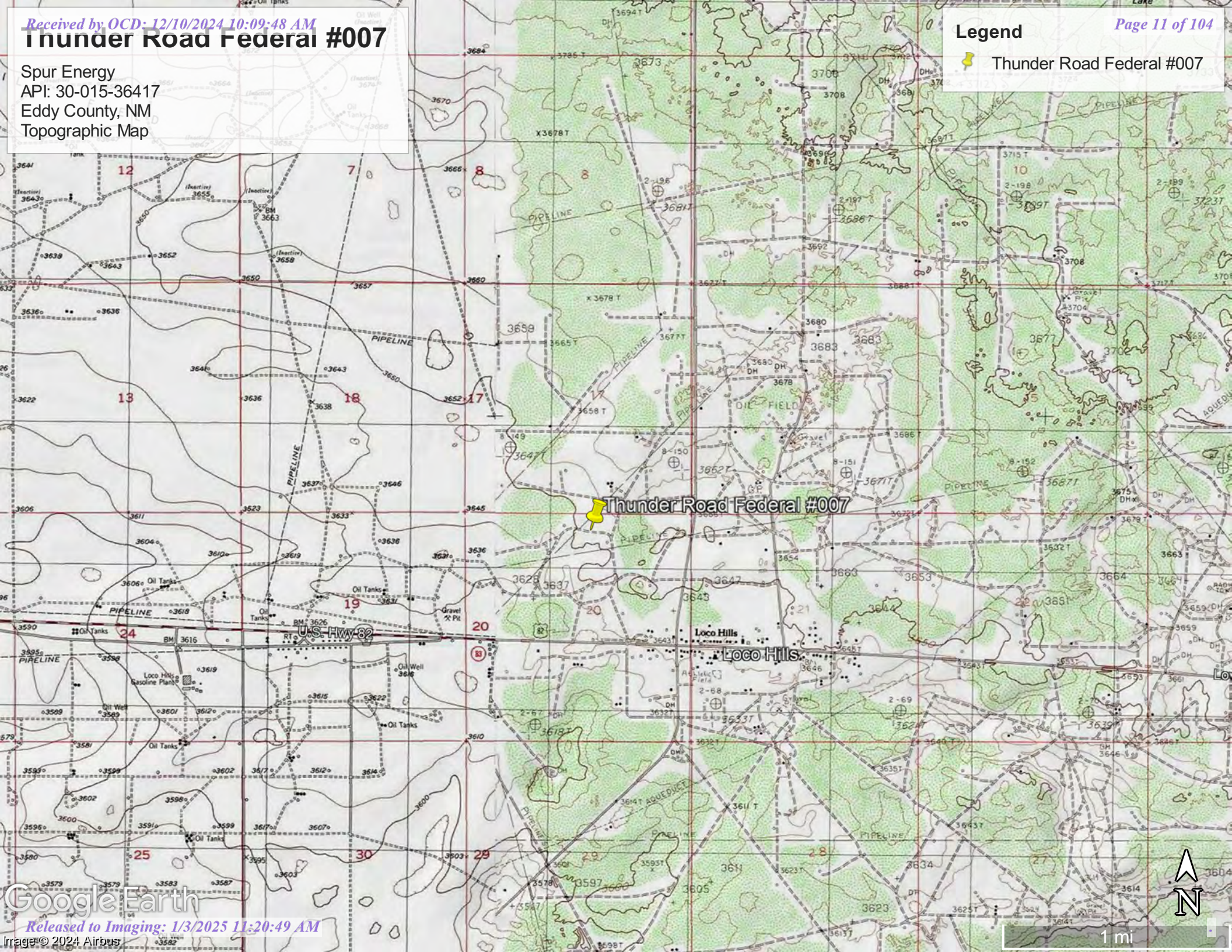


Thunder Road Federal #007

Legend

-  Thunder Road Federal #007





Spur Energy
 API: 30-015-36417
 Eddy County, NM
 Topographic Map

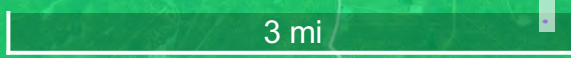
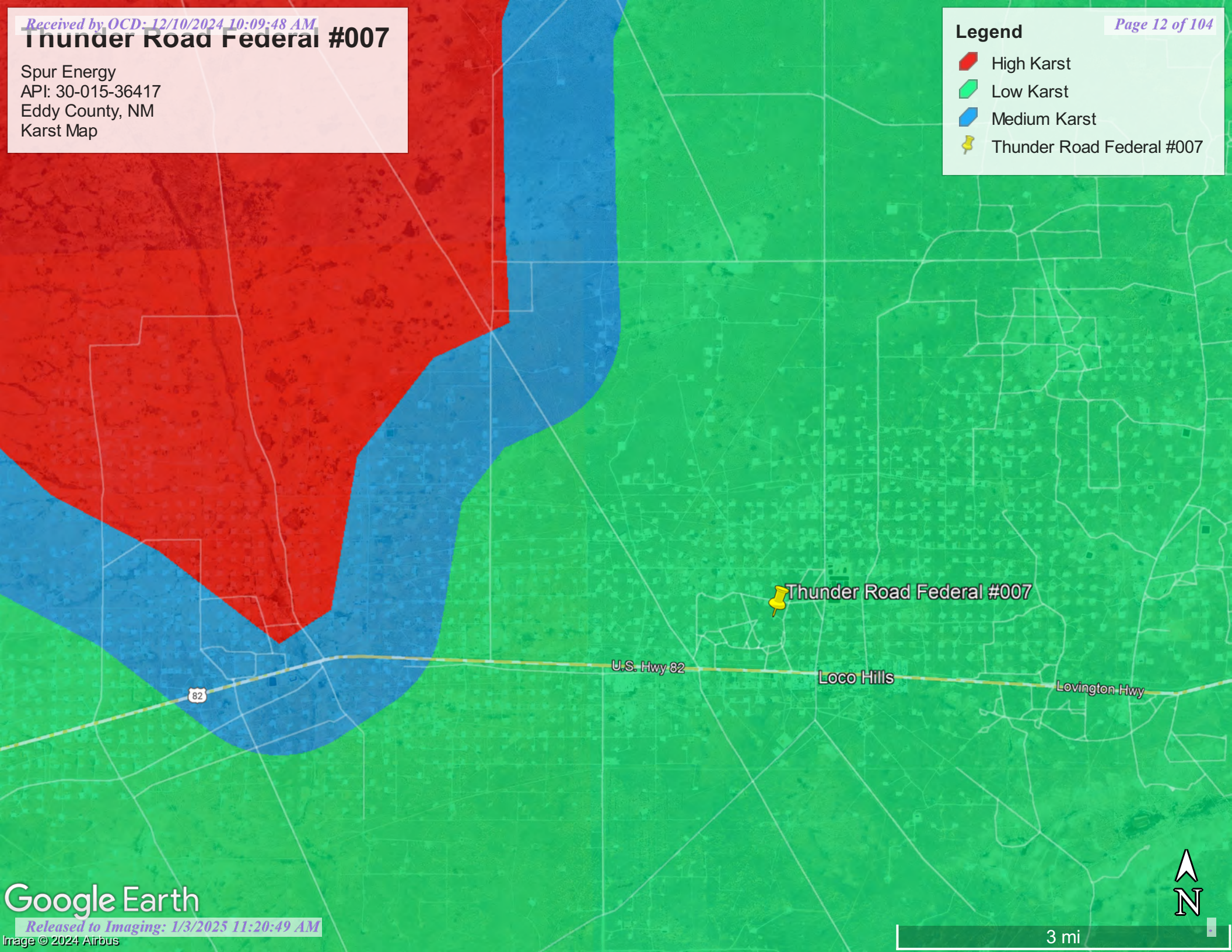


Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  Thunder Road Federal #007






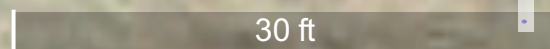
Thunder Road Federal #007

Spur Energy
API: 30-015-36417 Federal #007
Eddy County, NM
Initial Site Map



Legend






-  0.5' Proposed Excavation
-  Soil Sample Location
-  Thunder Road Federal #007



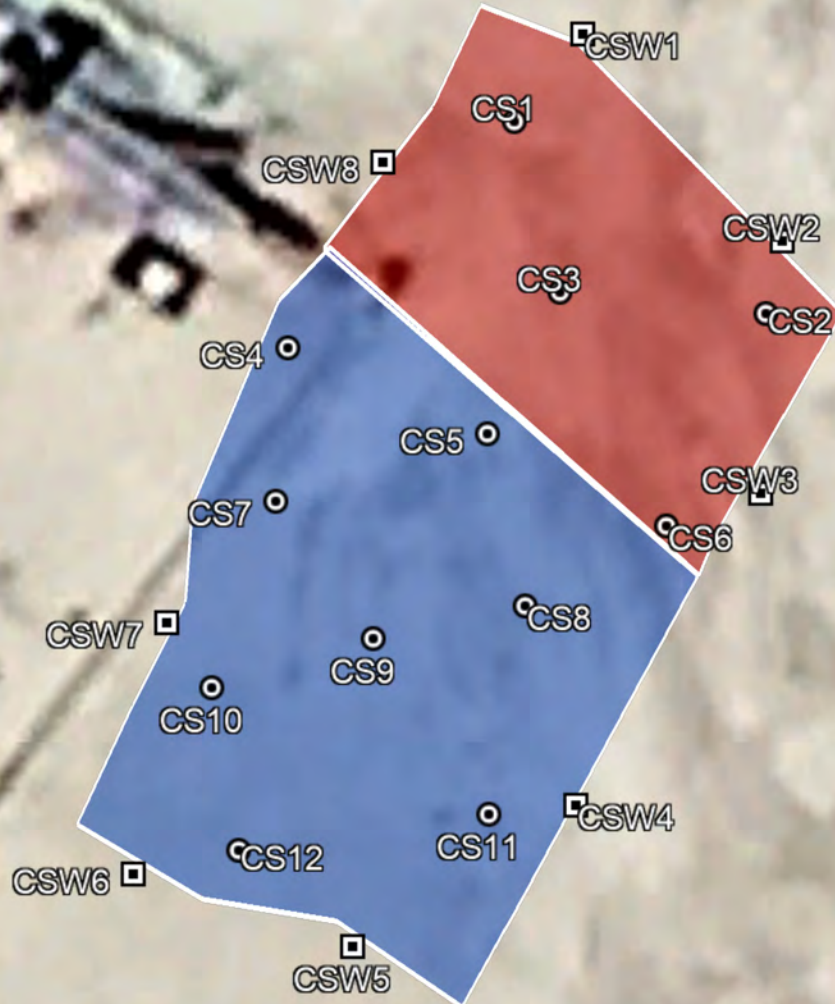
Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
Confirmation Sample Map

Legend

-  0.5' Excavation
-  1' Excavation
-  Confirmation Bottom Sample
-  Confirmation Side Wall Sample
-  Thunder Road Federal #007

Thunder Road Federal #007



Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
RA 11914	POD1	NE	SE	NE	20	17S	30E	594801.1	3632002.2	

* UTM location was derived from PLSS - see Help

Driller License:	1682	Driller Company:	HUNGRY HORSE, LLC.
Driller Name:	JOHN NORRIS		
Drill Start Date:	2013-03-19	Drill Finish Date:	2013-03-19
Log File Date:	2013-04-09	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:		Depth Well:	85
		Depth Water:	80
		Source:	Shallow
		Estimated Yield:	
		Plug Date:	

Water Bearing Stratifications:

Top	Bottom	Description
11	85	Sandstone/Gravel/Conglomerate

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.

10/1/24 2:49 PM MST




Point of Diversion Summary

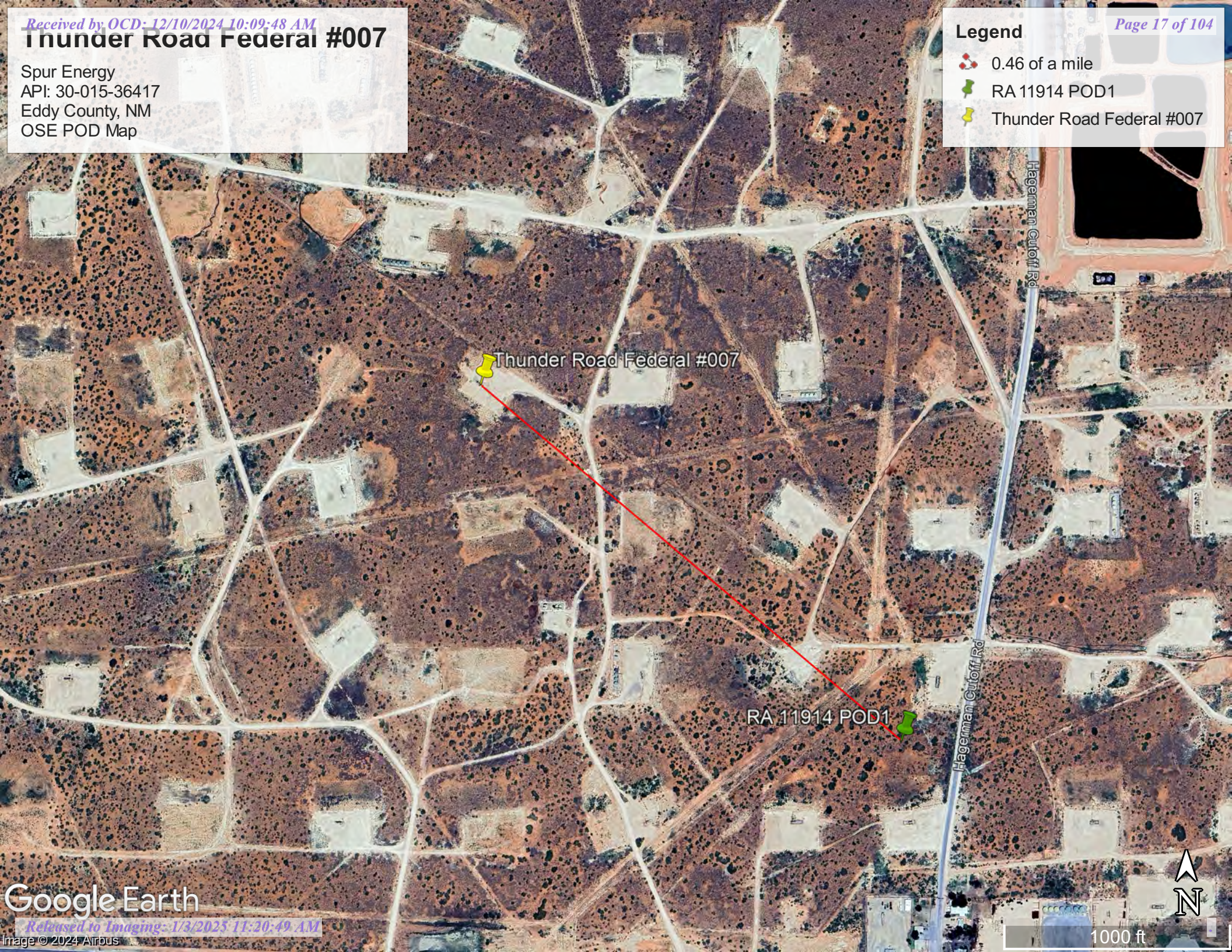
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Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
OSE POD Map

Legend

-  0.46 of a mile
-  RA 11914 POD1
-  Thunder Road Federal #007



Thunder Road Federal #007

RA 11914 POD1

Hageman Cutoff Rd





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 325448104071801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 325448104071801 16S.28E.24.22423A

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°54'48", Longitude 104°07'18" NAD27

Land-surface elevation 3,568 feet above NGVD29

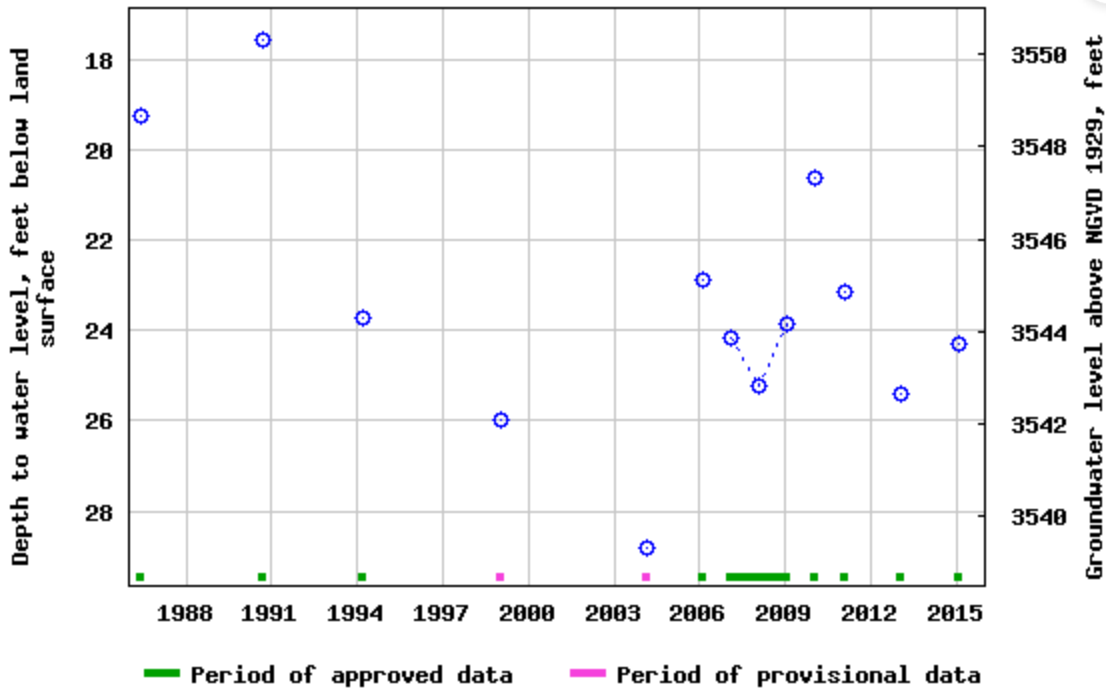
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

USGS 325448104071801 16S.28E.24.22423R



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-10-01 15:53:06 EDT




0.65 0.49 nadww01

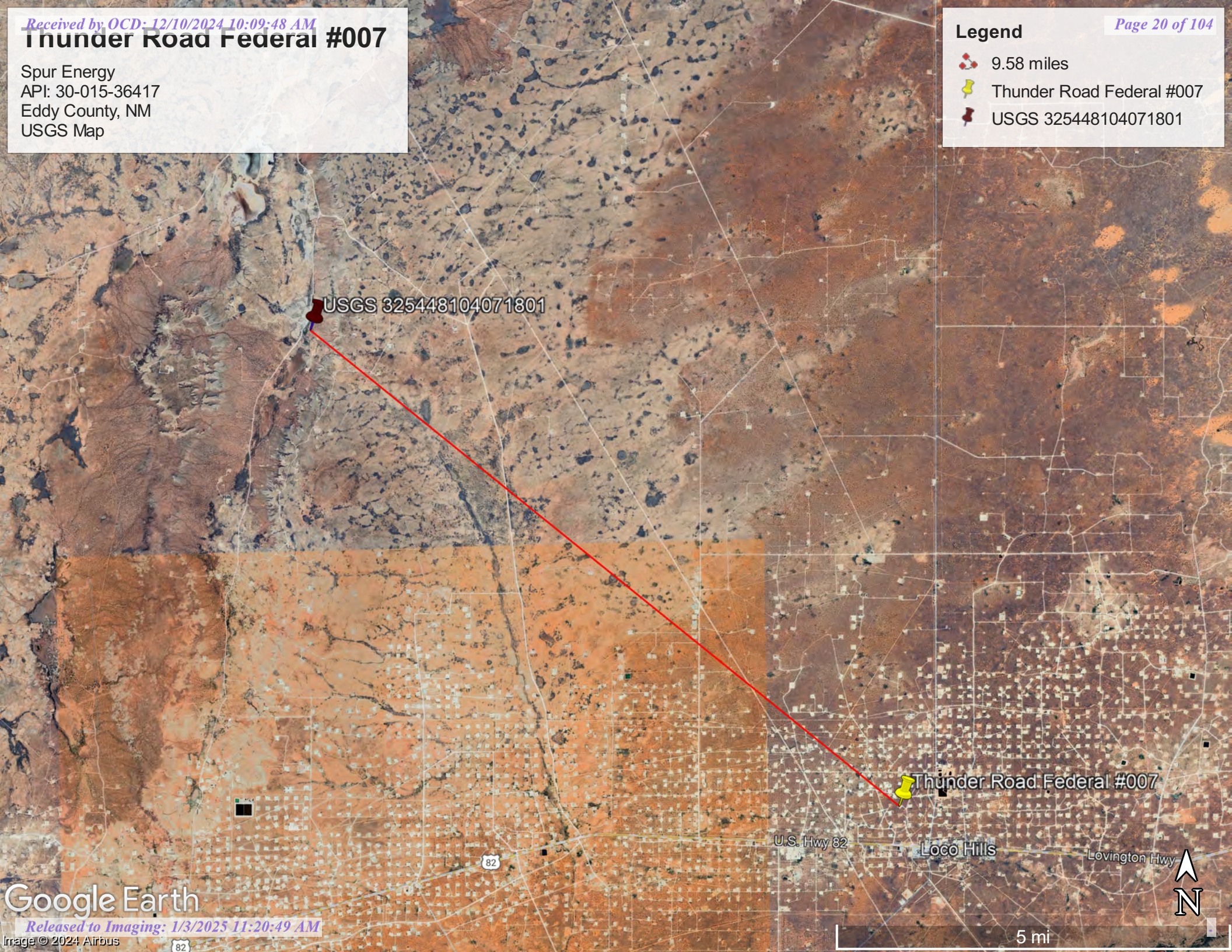


Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
USGS Map

Legend

-  9.58 miles
-  Thunder Road Federal #007
-  USGS 325448104071801



USGS 325448104071801

Thunder Road Federal #007

U.S. Hwy 82

Loco Hills




Lovington Hwy

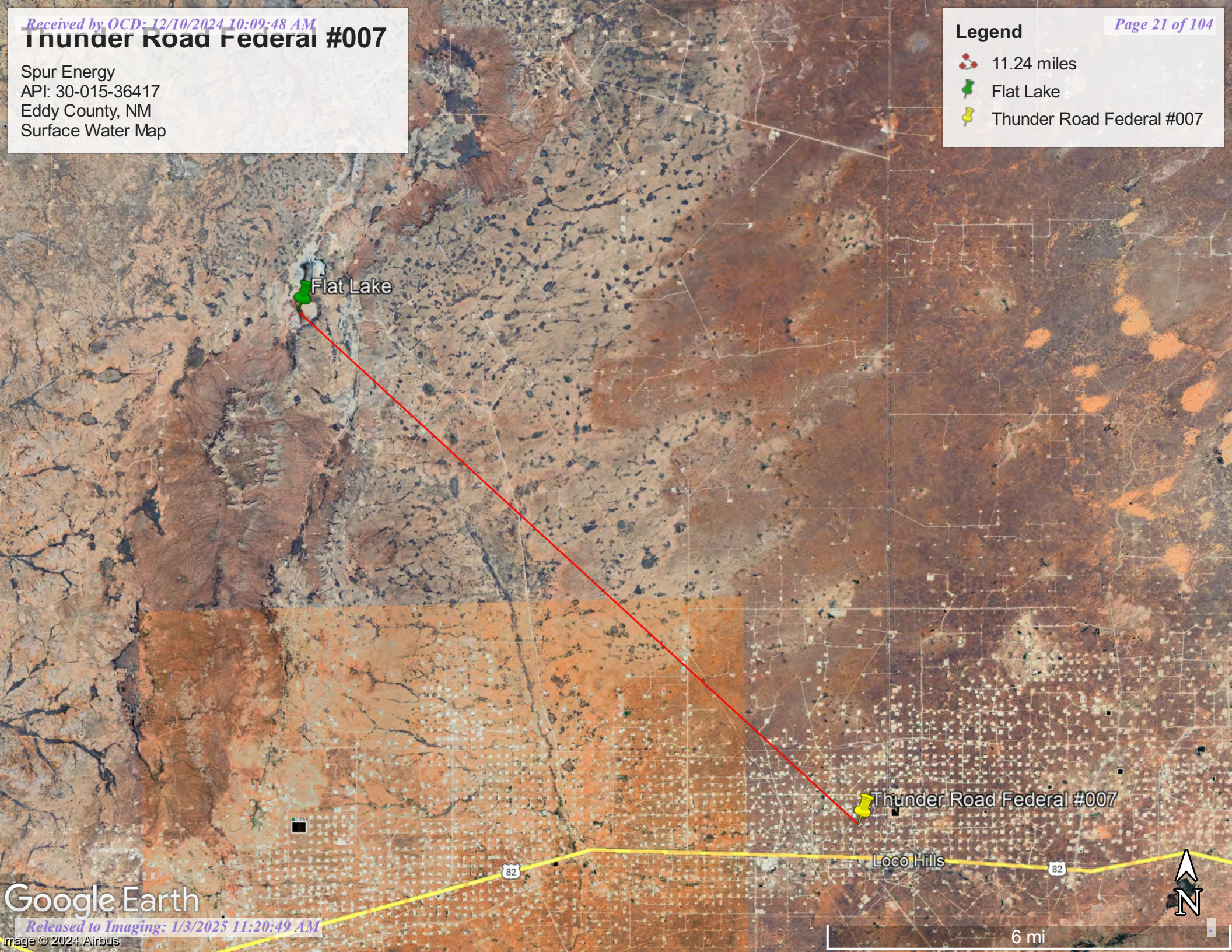


Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
Surface Water Map

Legend

-  11.24 miles
-  Flat Lake
-  Thunder Road Federal #007



Flat Lake

Thunder Road Federal #007

Loco Hills

82

82





Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

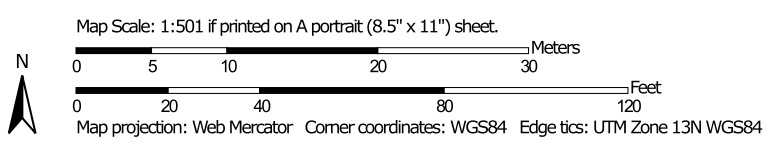
Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Data Source Information


Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

Soil Map—Eddy Area, New Mexico



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils



 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






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

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

Water Features

 Streams and Canals

Transportation

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

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico
 Survey Area Data: Version 20, Sep 3, 2024

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

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

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.

Soil Map—Eddy Area, New Mexico

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	1.2	100.0%
Totals for Area of Interest		1.2	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)

JSON (/geology/state/json/NMQep;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

State New Mexico (/geology/state/state.php?state=NM)

Name Eolian and piedmont deposits

Geologic age Holocene to middle Pleistocene

Lithologic constituents Major

Unconsolidated (Eolian) *Interlayered eolian sands and piedmont-slope deposits*

References

New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).

NGMDB product NGMDB product page for 22974
(https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

Counties Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

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Contact USGS (<https://answers.usgs.gov/>)




U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiog.gov/>) |

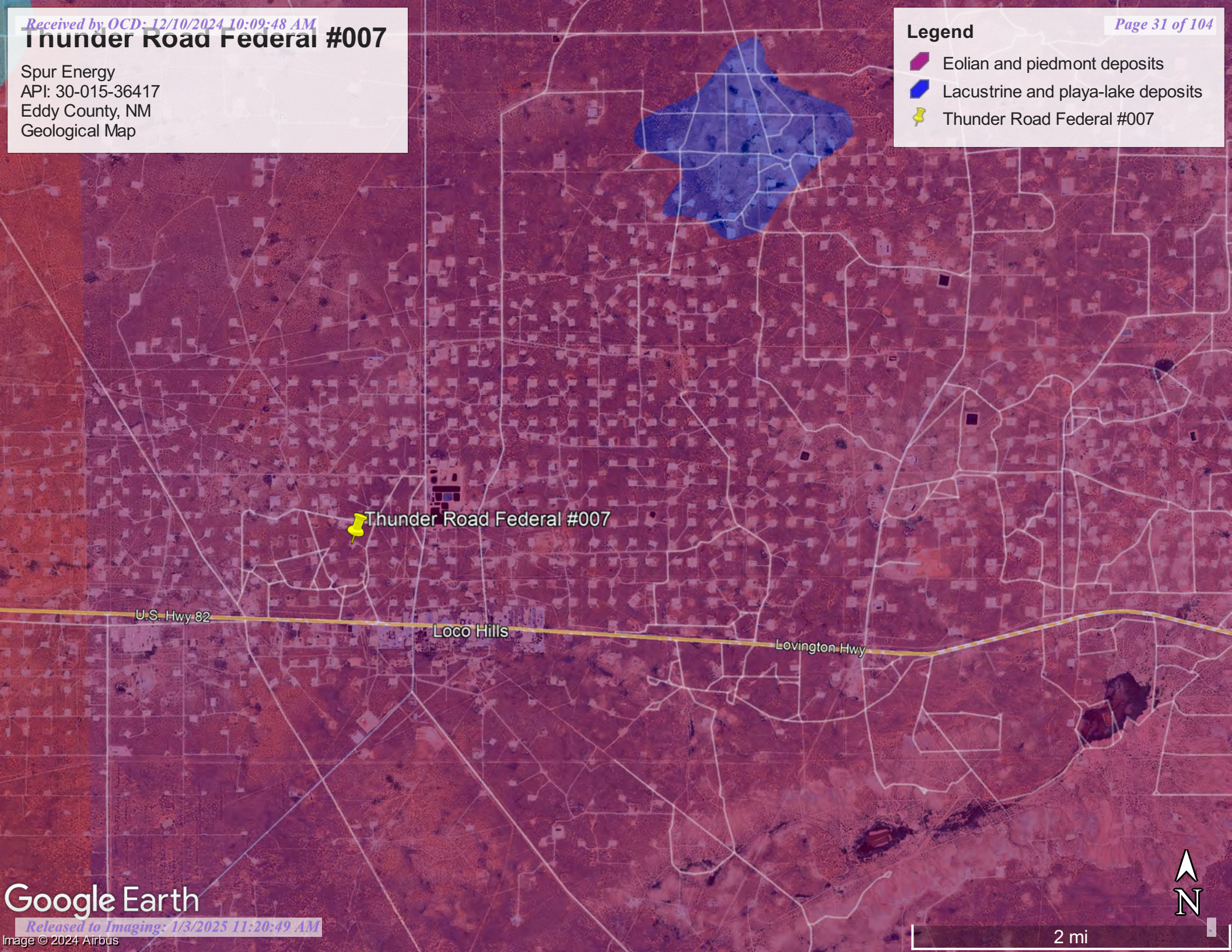
White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |
No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

Thunder Road Federal #007

Spur Energy
API: 30-015-36417
Eddy County, NM
Geological Map

Legend

-  Eolian and piedmont deposits
-  Lacustrine and playa-lake deposits
-  Thunder Road Federal #007

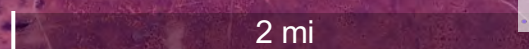


Thunder Road Federal #007

U.S. Hwy 82

Loco Hills

Lovington Hwy



National Flood Hazard Layer FIRMette



103°59'54"W 32°49'50"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 X
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 Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/4/2024 at 12:55 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.

Released to Imaging: 1/8/2025 11:20:49 AM

Received by OCD: 12/19/2024 10:09:48 AM

Page 32 of 104



October 2, 2024

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Appendix C

- Photographic Documentation



PHOTOGRAPHIC DOCUMENTATION

SITE NAME:Thunder Road Federal #007

Assessment



Photo of the release area on the site being assessed by site tech.



Photo of the release area on the site being assessed by site tech.



Photo of the release area on the site being assessed by site tech.



Photo of the release area on the site being assessed by site tech.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Thunder Road Federal #007

Flagging/Pre-Excavation



Site being flagged for excavation by site tech facing West.



Site being flagged for excavation by site tech facing Northwest.



Site being flagged for excavation by site tech facing South.



Site being flagged for excavation by site tech facing Northeast.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME:Thunder Road Federal #007

Excavation



Photo of the flagged area excavated completely, photo taken by drone.



Photo of the flagged area excavated completely, photo taken by drone.



Photo of the flagged area excavated completely, photo taken by drone.



Photo of the flagged area excavated completely, photo taken by drone.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME:Thunder Road Federal #007

Backfill



Photo of the excavated area backfilled with clean material facing Southeast.

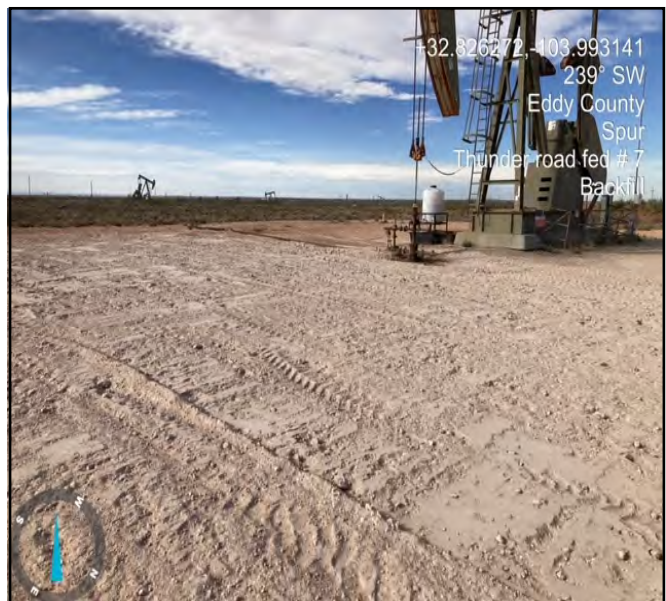


Photo of the excavated area backfilled with clean material facing Southwest.



Photo of the excavated area backfilled with clean material facing North.



Photo of the excavated area backfilled with clean material facing Northeast.



Appendix D

- Laboratory Reports

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thunder Road Federal #007

Work Order: E410290

Job Number: 21068-0001

Received: 10/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/1/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 11/1/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Thunder Road Federal #007
Workorder: E410290
Date Received: 10/24/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/24/2024 8:00:00AM, under the Project Name: Thunder Road Federal #007.

The analytical test results summarized in this report with the Project Name: Thunder Road Federal #007 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/01/24 10:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-4'	E410290-01A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S1-11'	E410290-02A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S1-15'	E410290-03A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S1-20'	E410290-04A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S2-4'	E410290-05A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S2-11'	E410290-06A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S2-15'	E410290-07A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S2- 20'	E410290-08A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S3-4'	E410290-09A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S3 11'	E410290-10A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S3-16'	E410290-11A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.
S3-20'	E410290-12A	Soil	10/21/24	10/24/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S1-4'

E410290-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2443150	
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2443150	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444084	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2444028	
Chloride	2740	40.0	2	10/28/24	10/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S1-11'

E410290-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2443150	
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2443150	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444084	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2444028	
Chloride	4110	40.0	2	10/28/24	10/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S1-15'

E410290-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	804	20.0	1	10/28/24	10/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S1-20'

E410290-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	ND	20.0	1	10/28/24	10/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S2-4'

E410290-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		97.7 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	2720	40.0	2	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S2-11'

E410290-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	3950	40.0	2	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S2-15'

E410290-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	570	20.0	1	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
-----------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	------------------------------------------

S2- 20'

E410290-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	ND	20.0	1	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S3-4'

E410290-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	2640	40.0	2	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S3 11'

E410290-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.5 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	3950	40.0	2	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S3-16'

E410290-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.4 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/30/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	10/30/24	10/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	792	20.0	1	10/28/24	10/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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S3-20'

E410290-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Benzene	ND	0.0250	1	10/24/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/31/24	
Toluene	ND	0.0250	1	10/24/24	10/31/24	
o-Xylene	ND	0.0250	1	10/24/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.2 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2443150
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.3 %	70-130	10/24/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2444084
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/31/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2444028
Chloride	ND	20.0	1	10/28/24	10/29/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443150-BLK1)

Prepared: 10/24/24 Analyzed: 10/31/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.0	70-130			

LCS (2443150-BS1)

Prepared: 10/24/24 Analyzed: 10/31/24

Benzene	4.73	0.0250	5.00		94.6	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130			
Toluene	4.65	0.0250	5.00		93.1	70-130			
o-Xylene	4.54	0.0250	5.00		90.7	70-130			
p,m-Xylene	9.18	0.0500	10.0		91.8	70-130			
Total Xylenes	13.7	0.0250	15.0		91.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.2	70-130			

LCS Dup (2443150-BSD1)

Prepared: 10/24/24 Analyzed: 10/31/24

Benzene	4.90	0.0250	5.00		98.0	70-130	3.54	20	
Ethylbenzene	4.70	0.0250	5.00		94.0	70-130	3.64	20	
Toluene	4.82	0.0250	5.00		96.5	70-130	3.59	20	
o-Xylene	4.70	0.0250	5.00		94.0	70-130	3.57	20	
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130	3.66	20	
Total Xylenes	14.2	0.0250	15.0		94.8	70-130	3.63	20	
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443150-BLK1)

Prepared: 10/24/24 Analyzed: 10/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.4	70-130			

LCS (2443150-BS2)

Prepared: 10/24/24 Analyzed: 10/31/24

Gasoline Range Organics (C6-C10)	35.9	20.0	50.0		71.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.6	70-130			

LCS Dup (2443150-BSD2)

Prepared: 10/24/24 Analyzed: 10/31/24

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0		84.4	70-130	16.1	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444084-BLK1)

Prepared: 10/30/24 Analyzed: 10/30/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			

LCS (2444084-BS1)

Prepared: 10/30/24 Analyzed: 10/30/24

Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			

LCS Dup (2444084-BSD1)

Prepared: 10/30/24 Analyzed: 10/30/24

Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132	4.99	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/1/2024 10:23:11AM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444028-BLK1)

Prepared: 10/28/24 Analyzed: 10/28/24

Chloride	ND	20.0							
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LCS (2444028-BS1)

Prepared: 10/28/24 Analyzed: 10/28/24

Chloride	249	20.0	250		99.6	90-110			
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LCS Dup (2444028-BSD1)

Prepared: 10/28/24 Analyzed: 10/28/24

Chloride	249	20.0	250		99.5	90-110	0.102	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Thunder Road Federal #007	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/01/24 10:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Thunder Road Federal #007

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program																		
Project: XXXXXXXXXX K.A.		Attention: SPUR		Lab WO# E410290		Job Number 21268-0001			1D	2D	3D	Standard	CWA	SDWA													
Project Manager: Gio Gomez		Address:		Analysis and Method					RCRA																		
Address: 5614 N. Lovington Hwy.		City, State, Zip		DRO/ORO by 8015			GRO/DRO by 8015			BTEX by 8021			VOC by 8260			Metals 6010			Chloride 300.0			BGDOC NM			BGDOC TX		
City, State, Zip Hobbs, NM, 88240		Phone:		State			NM			CO			UT			AZ			TX								
Phone: 806-782-1151		Email: gio@pimaoil.com		Pima Project # 6-360			X																				
Report due by:				Remarks																							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:11	10/21	S		S1-4'	1							X		
10:17				S1-11'	2									
10:25				S1-15'	3									
10:29				S1-20'	4									
10:36				S2-4'	5									
10:41				S2-11'	6									
10:56				S2-15'	7									
11:17				S2-20'	8									
11:28				S3-4'	9									
11:36				S3-11'	10									

Additional Instructions: Billing: 7010-7415, 13646

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) Carime Adams	Date 10/23/24	Time 1:37	Received by: (Signature) Michelle Gonzales	Date 10/23/24	Time 1:37	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Gonzales	Date 10/23/24	Time 1620	Received by: (Signature) L.M.	Date 10.23.24	Time 1730	
Relinquished by: (Signature) L.M.	Date 10.23.24	Time 2330	Received by: (Signature) Noe Soto	Date 10-24-24	Time 0800	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Client: Pima Environmental Services
 Project: Thunder Road Federal #007
 Project Manager: Gio Gomez
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 806-782-1151
 Email: gio@pimaoil.com
 Report due by:

Bill To
 Attention: Spur
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 6-360

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E40220</u>	<u>21068-0001</u>				<u>X</u>				
Analysis and Method									
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State	
								NM	CO
								UT	AZ
								TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
<u>11:48</u>	<u>10/21</u>	<u>S</u>		<u>S3-15'</u>	<u>11</u>							<u>1</u>		
<u>11:50</u>	<u>+</u>	<u>+</u>		<u>S3-20'</u>	<u>12</u>							<u>X</u>		

Additional Instructions: Billings 7010-7415, 13646

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Karine Adame</u>	Date <u>10/23/24</u>	Time <u>1:37</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>10-23-24</u>	Time <u>1337</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>10-23-24</u>	Time <u>1620</u>	Received by: (Signature) <u>L.J.</u>	Date <u>10-23-24</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>L.J.</u>	Date <u>10-23-24</u>	Time <u>2330</u>	Received by: (Signature) <u>Noe Soto</u>	Date <u>10-24-24</u>	Time <u>0800</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 10/24/2024 9:38:31AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pima Environmental Services-Carlsbad Date Received: 10/24/24 08:00 Work Order ID: E410290
Phone: (575) 631-6977 Date Logged In: 10/23/24 14:01 Logged In By: Noe Soto
Email: gio@pimaoil.com Due Date: 10/30/24 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for Client Instruction

Comments/Resolution

No. of containers and sampled by name are missing on COC by client.

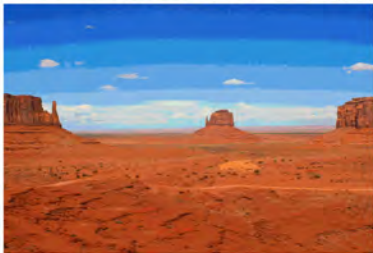
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thunder Road Federal #007

Work Order: E411250

Job Number: 21068-0001

Received: 11/23/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/26/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/26/24



Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Thunder Road Federal #007
Workorder: E411250
Date Received: 11/23/2024 9:15:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2024 9:15:00AM, under the Project Name: Thunder Road Federal #007.

The analytical test results summarized in this report with the Project Name: Thunder Road Federal #007 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/24 12:09
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E411250-01A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS2	E411250-02A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS3	E411250-03A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS4	E411250-04A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS5	E411250-05A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS6	E411250-06A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS7	E411250-07A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS8	E411250-08A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS9	E411250-09A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS10	E411250-10A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS11	E411250-11A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS12	E411250-12A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW1	E411250-13A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW2	E411250-14A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW3	E411250-15A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW4	E411250-16A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW5	E411250-17A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW6	E411250-18A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW7	E411250-19A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW8	E411250-20A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS1

E411250-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	1770	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS2

E411250-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	1160	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS3

E411250-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	1110	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS4

E411250-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	27.7	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	1750	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS5

E411250-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	2590	40.0	2	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS6

E411250-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.2 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	3020	40.0	2	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS7

E411250-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	2840	40.0	2	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS8

E411250-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	2760	40.0	2	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS9

E411250-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	41.2	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	1410	20.0	1	11/25/24	11/25/24	



Sample Data

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CS10

E411250-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447126	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448002	
Chloride	946	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS11

E411250-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447126	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448002	
Chloride	1140	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CS12

E411250-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.8 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	1120	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CSW1

E411250-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.2 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CSW2

E411250-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447126	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448002	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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CSW3

E411250-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.4 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.7 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/23/24	11/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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CSW4

E411250-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447126	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448002	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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CSW5

E411250-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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CSW6

E411250-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.1 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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CSW7

E411250-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.8 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2447130
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2447126
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2448002
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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CSW8

E411250-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2447130	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447126	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448002	
Chloride	ND	20.0	1	11/25/24	11/25/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447130-BLK1)

Prepared: 11/23/24 Analyzed: 11/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			

LCS (2447130-BS1)

Prepared: 11/23/24 Analyzed: 11/23/24

Benzene	5.49	0.0250	5.00		110	70-130			
Ethylbenzene	5.27	0.0250	5.00		105	70-130			
Toluene	5.40	0.0250	5.00		108	70-130			
o-Xylene	5.28	0.0250	5.00		106	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.0	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

LCS Dup (2447130-BSD1)

Prepared: 11/23/24 Analyzed: 11/23/24

Benzene	5.36	0.0250	5.00		107	70-130	2.38	20	
Ethylbenzene	5.16	0.0250	5.00		103	70-130	2.06	20	
Toluene	5.27	0.0250	5.00		105	70-130	2.36	20	
o-Xylene	5.16	0.0250	5.00		103	70-130	2.18	20	
p,m-Xylene	10.5	0.0500	10.0		105	70-130	2.12	20	
Total Xylenes	15.7	0.0250	15.0		105	70-130	2.14	20	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
-----------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	-------------------------------------------

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447130-BLK1)

Prepared: 11/23/24 Analyzed: 11/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			

LCS (2447130-BS2)

Prepared: 11/23/24 Analyzed: 11/25/24

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

LCS Dup (2447130-BSD2)

Prepared: 11/23/24 Analyzed: 11/25/24

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130	4.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
-----------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	-------------------------------------------

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447126-BLK1)

Prepared: 11/23/24 Analyzed: 11/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	50-200			

LCS (2447126-BS1)

Prepared: 11/23/24 Analyzed: 11/23/24

Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	50-200			

LCS Dup (2447126-BSD1)

Prepared: 11/23/24 Analyzed: 11/23/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132	0.908	20	
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thunder Road Federal #007 Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 12:09:16PM
-----------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	-------------------------------------------

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2448002-BLK1)

Prepared: 11/25/24 Analyzed: 11/25/24

Chloride ND 20.0

LCS (2448002-BS1)

Prepared: 11/25/24 Analyzed: 11/25/24

Chloride 251 20.0 250 100 90-110

LCS Dup (2448002-BSD1)

Prepared: 11/25/24 Analyzed: 11/25/24

Chloride 251 20.0 250 101 90-110 0.0414 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Thunder Road Federal #007	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/24 12:09

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Thunder Road Federal #007 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Spur Address: City, State, Zip: Phone: Email: Pima Project # 8-360		Lab Use Only Lab WO# 411250 Job Number 210070001		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------	--	-----------------------------------------------------------------------------	--	----------------------------------------------------	--	-----------------------------------------------------------------------------------------------------------	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:06	11/21	S		CS1	1							X		
8:12				CS2	2									
8:15				CS3	3									
8:22				CS4	4									
8:24				CS5	5									
8:36				CS6	6									
8:44				CS7	7									
8:56				CS8	8									
9:11				CS9	9									
9:16				CS10	10									

Additional Instructions: Billing # 7010-7415, 13646

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) Karime Adams Date: 11/22/24 Time: 1:50		Received by: (Signature) Michelle Gonzales Date: 11-22-24 Time: 1:30		Lab Use Only Received on Ice: <input checked="" type="radio"/> Y / <input type="radio"/> N Avg Temp °C: 4
Relinquished by: (Signature) Michelle Gonzales Date: 11-22-24 Time: 1:15		Received by: (Signature) [Signature] Date: 11-22-24 Time: 1:30		
Relinquished by: (Signature) [Signature] Date: 11.22.24 Time: 2:30		Received by: (Signature) Caitlynn Date: 11-23-24 Time: 9:15		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Thunder Road Federal #007</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____					Bill To: _____ Attention: <u>SPUR</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>6-360</u>					Lab Use Only Lab WO# <u>411250</u> Job Number: <u>210680001</u> Analysis and Method: _____ DRO/GRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ BGDOC NM _____ BGDOC TX _____					TAT 1D <input checked="" type="checkbox"/> 2D _____ 3D _____ Standard _____			EPA Program CWA _____ SDWA _____ RCRA _____ State NM <input checked="" type="checkbox"/> CO _____ UT _____ AZ _____ TX _____	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks					
4:20	11/21	S		CS11	11							X							
9:26				CS12	12														
9:34				CSW1	13														
9:45				CSW2	14														
9:57				CSW3	15														
10:11				CSW4	16														
10:28				CSW5	17														
10:28				CSW6	18														
10:36				CSW7	19														
10:47				CSW8	20														
Additional Instructions: <u>Billings: 700-7415-13646</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.									
Relinquished by: (Signature) <u>Karime Adame</u> Date: <u>11.22.24</u> Time: <u>1:50</u>					Received by: (Signature) <u>Michelle Gonzales</u> Date: <u>11.22.24</u> Time: <u>1:50</u>					Lab Use Only Received on ice: <input checked="" type="checkbox"/> N									
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date: <u>11.22.24</u> Time: <u>1:15</u>					Received by: (Signature) <u>[Signature]</u> Date: <u>11.22.24</u> Time: <u>1:30</u>					T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature) <u>[Signature]</u> Date: <u>11.22.24</u> Time: <u>2:30</u>					Received by: (Signature) <u>[Signature]</u> Date: <u>11.23.24</u> Time: <u>9:15</u>					Avg Temp °C: <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Envirotech Analytical Laboratory

Printed: 11/23/2024 10:22:05AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/23/24 09:15	Work Order ID:	E411250
Phone:	(575) 631-6977	Date Logged In:	11/22/24 14:44	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	11/25/24 17:00 (0 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Comments/Resolution

No. of containers and sampled by name is missing on COC by client.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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

QUESTIONS

Action 410281

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434531781
Incident Name	NAPP2434531781 THUNDER ROAD FEDERAL #007 @ 30-015-36417
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-36417] THUNDER ROAD FEDERAL #007

Location of Release Source

Please answer all the questions in this group.

Site Name	THUNDER ROAD FEDERAL #007
Date Release Discovered	09/24/2024
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Release Other
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: Other Well Produced Water Released: 19 BBL Recovered: 0 BBL Lost: 19 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)	NMOCD Inspection No. iTZM2426830401 Violation No. cTZM2427143327 On September 24, 2024, NMOCD inspector Timothy Martin conducted a routine field inspection at the Thunder Road Federal #007. During the inspection, he identified a heavily stained area approximately 20 feet wide and 70 feet long, extending from the wellhead to the edge of the location. The site requires cleanup to comply with regulatory standards.

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QUESTIONS, Page 2

Action 410281

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	N/A

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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/10/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 410281

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (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	Between 1 and 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 1/2 and 1 (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 1/2 and 1 (mi.)
A wetland	Between 1/2 and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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

Requesting a remediation plan approval with this submission	Yes
<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)	4110
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	41.2
GRO+DRO (EPA SW-846 Method 8015M)	41.2
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	11/19/2024
On what date will (or did) the final sampling or liner inspection occur	11/21/2024
On what date will (or was) the remediation complete(d)	11/21/2024
What is the estimated surface area (in square feet) that will be reclaimed	2400
What is the estimated volume (in cubic yards) that will be reclaimed	75
What is the estimated surface area (in square feet) that will be remediated	2400
What is the estimated volume (in cubic yards) that will be remediated	75

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 410281

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	LEA LAND LANDFILL [fEEM0112342028]
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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/10/2024
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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.

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

QUESTIONS, Page 5

Action 410281

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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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Action 410281

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	410250
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/21/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	2400

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	2400
What was the total volume (cubic yards) remediated	75
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	2400
What was the total volume (in cubic yards) reclaimed	75
Summarize any additional remediation activities not included by answers (above)	CONTAMINATED SOIL WAS REMOVED TO THE NMOCD STANDARD FOR THIS RELEASE LOCATION

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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/10/2024
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Action 410281

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	No

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CONDITIONS

Action 410281

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410281
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2434531781 THUNDER ROAD FEDERAL #007, thank you. This Remediation Closure Report is approved.	1/3/2025