Spill Volume(Bbls) Calculator *Inputs in blue, Outputs in red*		
Length(Ft)	Width(Ft)	Depth(In)
30.000	25.000	36.000
Cubic Feet Impacted		2250.000
Barrels		400.71
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		60.11
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		60.20000

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)	30
Width (ft)	25
Depth (in)	36.000

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

February 14, 2024

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

Re: Site Assessment, Remediation, and Closure Report
Redlake 32 State Tank Battery
API No. N/A
GPS: Latitude 32.78472 Longitude -104.29266 UL "P",
Sec. 32, T17S, R27E
Eddy County, NM
NMOCD Ref. No. NAPP2317136107

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy to perform a spill assessment, remediation activities, and submit this closure report for a produced water and crude oil release that occurred at the Redlake 32 State Tank Battery (Redlake). The initial C-141 was submitted on June 20th, 2023 (Appendix C). This incident was assigned Incident ID NAPP2317136107, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Redlake is located approximately 7.28 miles southeast of Artesia, NM. This spill site is in Unit P, Section 32, Township 17S, Range 27E, Latitude 32.78472, Longitude -104.29266, Eddy County, NM. Figure 1 references a location map.

As per the New Mexico Bureau of Geology and Mineral Resources, the geological classification encompasses the Artesian Group (Guadalupian), composed of shelf facies forming broad south-southeast trending outcrops from Glorieta to Artesia area, detailed in Appendix B. The soil composition in this vicinity predominantly consists of the Gyspum land, as indicated in the United States Department of Agriculture Natural Resources Conservation Service soil survey (refer to Appendix B). Drainage courses in this area are characterized as well-drained. Notably, the geographical data suggests a great likelihood of high karst geology in the vicinity of Redlake (refer to Figure 3).

Based on information provided by the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this area is approximately 140 feet below grade surface (BGS), located around 0.7 miles from the site, as indicated by water well (RA03661). Additionally, according to data from the United States Geological Survey (USGS), the closest groundwater well, USGS 324715104180201, is situated approximately 0.54 miles away and registers a water depth of 84.54 feet BGS. For precise locations, please refer to Appendix A, which contains a detailed water well map displaying both OSE and USGS well positions. The closest waterway is the Pecos River, situated approximately 2.19 miles west of this site. Details regarding these water surveys are available in Appendix A for reference.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	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

NAPP2317136107: On June 20th, 2023, a check valve malfunction resulted in a breach in the flowline, leading to the release of a blend of produced water and crude oil into an unlined containment. Approximately 30 barrels of crude oil and 30 barrels of produced water were discharged, with subsequent recovery efforts accounting for 28 barrels of crude oil and 28 barrels of produced water. The remaining 4 barrels were successfully recovered during subsequent remediation activities. Importantly, all fluids were contained on-site within the unlined containment. The overall extent of the release covered an approximate area of 590 square feet.

Site Assessment and Soil Sampling Results

On June 28th, 2023, Pima Environmental Services initiated the mobilization of personnel to the site for delineation activities. Our team conducted sampling procedures covering the area spanning from the point of release to the easternmost limit of the engineered pad. To assess the levels of naturally occurring chlorides in the surrounding area, a single background sample (BG1) was collected.For vertical delineation, a total of four bottom samples (S1-S4) were collected, while four side wall samples (SW1-SW4) were acquired for horizontal delineation. Bottom samples (S1-S4) were gathered at depths ranging from surface levels down to four feet below ground surface (bgs), and side wall samples (SW1-SW4) were collected at six inches. Each sample represents an area of no more than 200 square feet within the release zone. The detailed laboratory results from this sampling event are presented in the accompanying data table. For further reference, a comprehensive laboratory report can be located in Appendix E.

6-28-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <50'								
SPUR ENERGY - Redlake 32 State Tank Battery								
Date: 6/28/2023		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
S1-1'	1'	1.26	0.0468	**46.2**	**2820**	**1340**	**4206.2**	**15400**
S1-2'	2'	ND	ND	ND	137	ND	**137**	**12000**
S1-3'	3'	ND	ND	ND	ND	ND	0	21.1
S1-4'	4'	ND	ND	ND	ND	ND	0	ND
S2-1'	1'	0.926	ND	ND	**6340**	**2700**	**9040**	**20200**
S2-2'	2'	ND	ND	ND	88.1	55.9	**144**	**15800**
S2-3'	3'	ND	ND	ND	ND	ND	0	ND
S2-4'	4'	ND	ND	ND	ND	ND	0	ND
S3-1'	1'	ND	ND	ND	**738**	**369**	**1107**	**20800**
S3-2'	2'	ND	ND	ND	ND	ND	0	**4660**
S3-3'	3'	ND	ND	ND	ND	ND	0	22.6
S3-4'	4'	ND	ND	ND	ND	ND	0	ND
S4-1'	1'	1.19	0.0435	38.7	**4690**	**2150**	**6878.7**	**12600**
S4-2'	2'	ND	ND	ND	149	75.6	**224.6**	**11800**
S4-3'	3'	ND	ND	ND	ND	ND	0	ND
S4-4'	4'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
BG1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Additionally, side wall samples (SW1-SW4) underwent field screening at 1 foot and 2-foot bgs to ensure no contamination persisted in the deeper levels. For further reference, a comprehensive Field Screening report can be located in Appendix E.

6-28-23 Field Screen Sampling Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <50'			
SPUR ENERGY - Redlake 32 State Tank Battery			
Date: 6/28/2023		Field Screen Sampling Results	
Sample ID	Depth (BGS)	Chloride (PPM)	TPH (PPM)
SW1	1'	0.00	0.00
	2'	0.00	0.00
SW2	1'	0.00	0.00
	2'	0.00	0.00
SW3	1'	0.00	0.00
	2'	0.00	0.00
SW4	1'	0.00	0.00
	2'	0.00	0.00

Remediation Activities

From January 22 to January 30, 2024, Pima mobilized its workforce to the Redlake site for the purpose of excavating the affected region. Pima conducted excavation in the sections corresponding to soil samples S1 and S2, reaching a depth of 3 feet below ground surface (bgs). Simultaneously, the areas associated with soil samples S3 and S4 were excavated to a depth of 2.5 feet bgs. The excavated zone encompassing soil samples S1 and S2 had an approximate area of 168 square feet, with the removal of about 18 cubic yards of contaminated material. In the region overlapping soil samples S3 and S4, the excavated area measured approximately 372 square feet, and roughly 34 cubic yards of contaminated soil were extracted. All contaminated materials were safely transported to Lea Land, an NMOCD-approved disposal facility.

On January 29, 2024, Spur Energy proactively submitted a 48-hour sampling notification as part of the preliminary preparations leading up to the final confirmation sampling event. This precautionary step was taken with the expectation that all sampling results would fall below the closure criteria established by the New Mexico Oil Conservation Division (NMOCD). Should the results confirm compliance, the plan is to move forward with the closure process. For additional details, the 48-hour notification can be referenced in Appendix C.

On January 31, 2024, Pima Environmental dispatched a field technician to conduct the confirmation sampling event at the Redlake site. A comprehensive sampling approach was employed, involving the collection of four bottom samples (CS1-CS4) and five side wall samples (CSW1-CSW5). The bottom samples (CS1 and CS2) were retrieved at a depth of 3 feet below ground surface (bgs), while bottom samples (CS3 and CS4) were obtained at a depth of 2.5 feet bgs. The side wall samples were strategically located: CSW1 represented the northern and northeastern corner of the 3-foot excavation, CSW2 represented the southern, southeast, and southwest corners of the 3-foot excavation, CSW3 represented the southern portion of the 2.5-foot excavation, CSW4 represented the western portion of the 2.5-foot excavation, and CSW5 represented the northern portion of the 2.5-foot excavation. Each side wall sample's area is outlined in our site map, with a distinct color assigned to each soil sample for clarity. Refer to Figure 6 for a detailed site map outlining the confirmation sampling event and the excavated area. The results of this sampling event can be found in the following data table.

1-31-24 Confirmation Sampling Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Spur Energy- Redlake 32 State Tank Battery								
Date: 1/31/2024		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	3'	ND	ND	ND	29.8	ND	29.8	28.7
CS2	3'	ND	ND	ND	ND	ND	ND	24.3
CS3	2.5'	ND	ND	ND	ND	ND	ND	28.2
CS4	2.5'	ND	ND	ND	49.9	ND	49.9	34.9
CSW1	0-3'	ND	ND	ND	ND	ND	ND	26.8
CSW2	0-3'	ND	ND	ND	27.6	ND	27.6	27.1
CSW3	0-2.5'	ND	ND	ND	98.6	ND	98.6	42.5
CSW4	0-2.5'	ND	ND	ND	26.5	ND	26.5	26.5
CSW5	0-2.5'	ND	ND	ND	27.1	ND	27.1	27.3

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 nine (9) 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 laboratories in Farmington, New Mexico (Appendix C).

On February 8, 2024, Pima received lab confirmation that all samples were below NMOCD closure criteria.

Upon confirming 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 incident, NAPP2317136107, be closed. Spur Energy has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Water Well Location Map
5- Site Map
6- Confirmation Site Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Map
Appendix C – 48 Hour Notification
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports and Field Notes

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

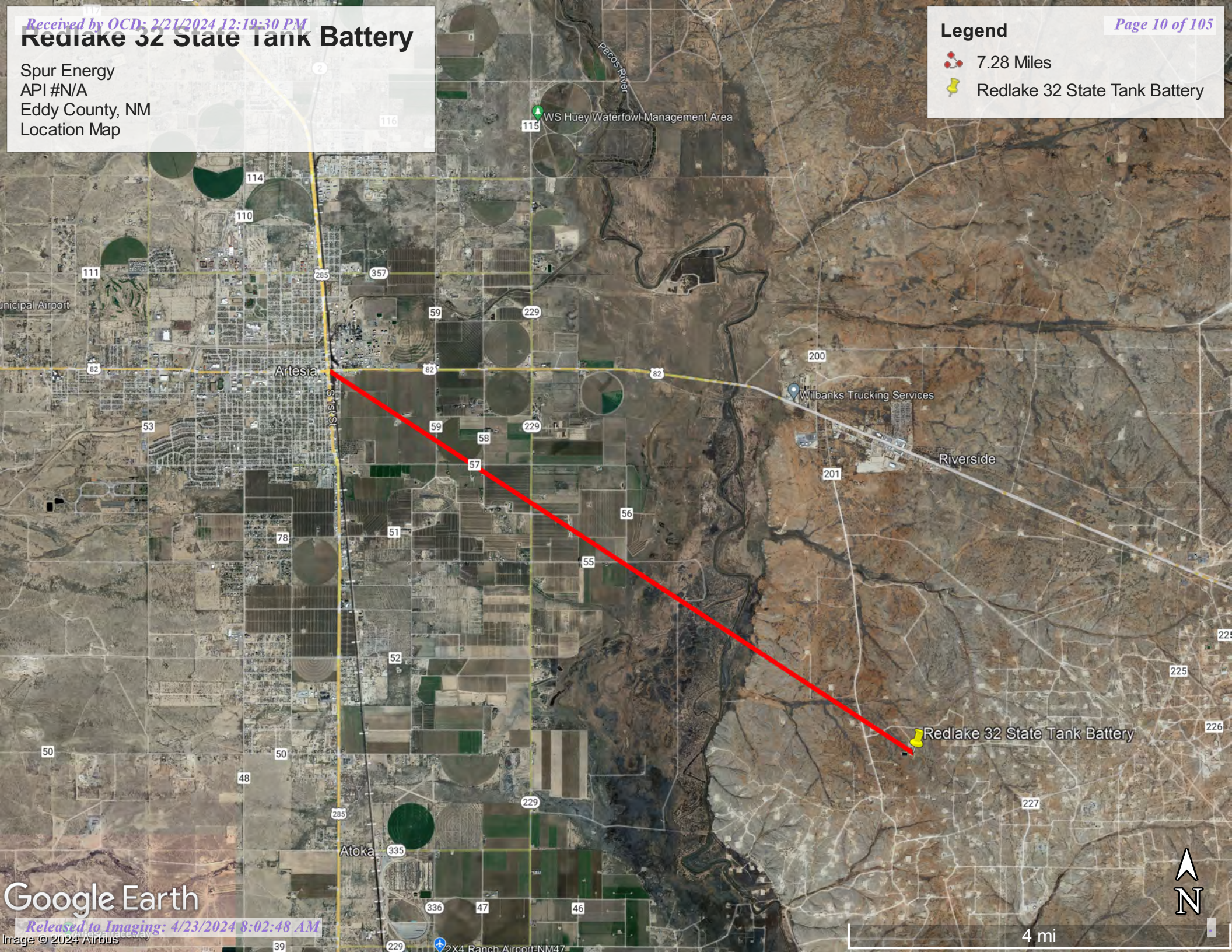
4-Water Well Location Map

5-Site Map

6-Confirmation Sample Map

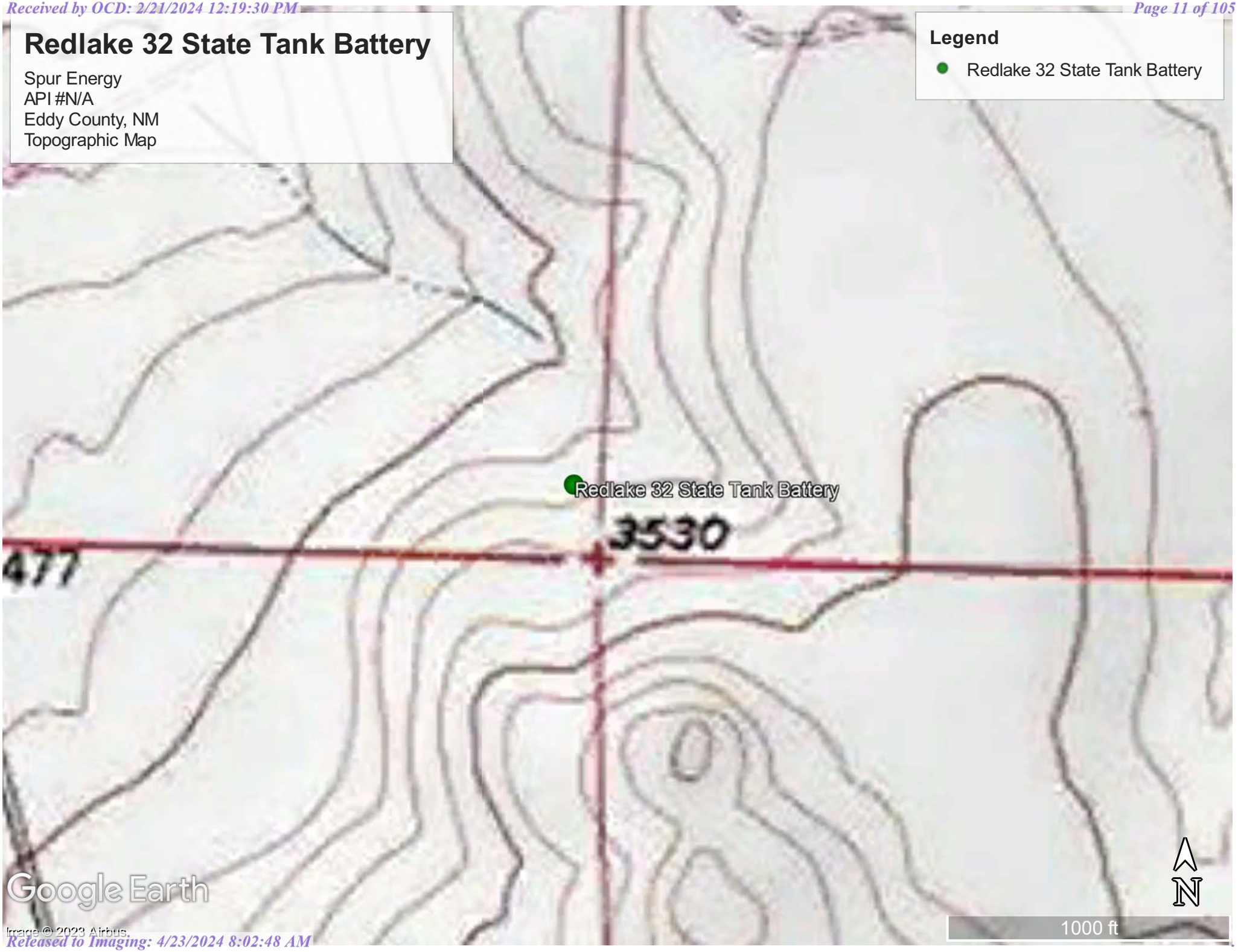
Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
Location Map



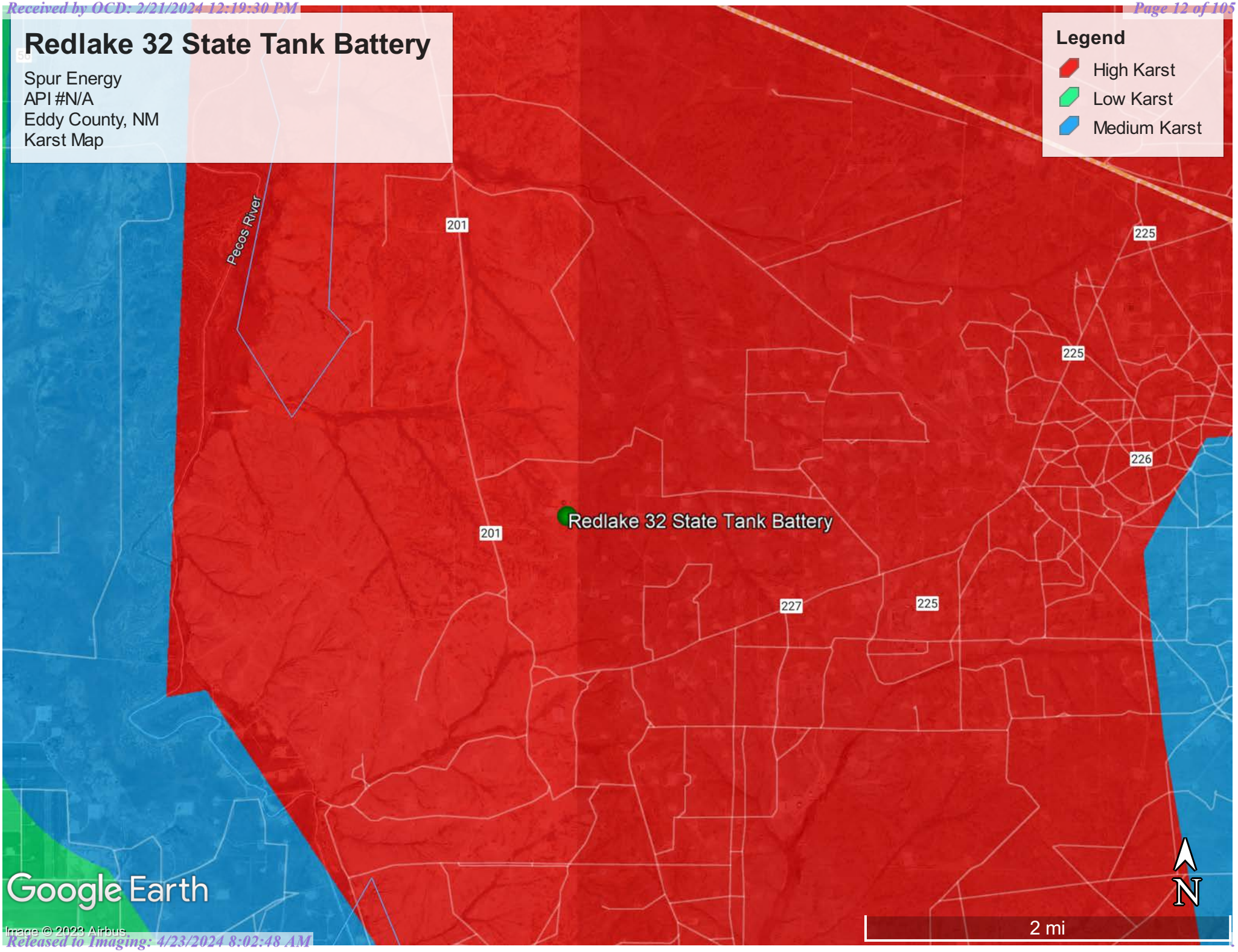
Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
Topographic Map



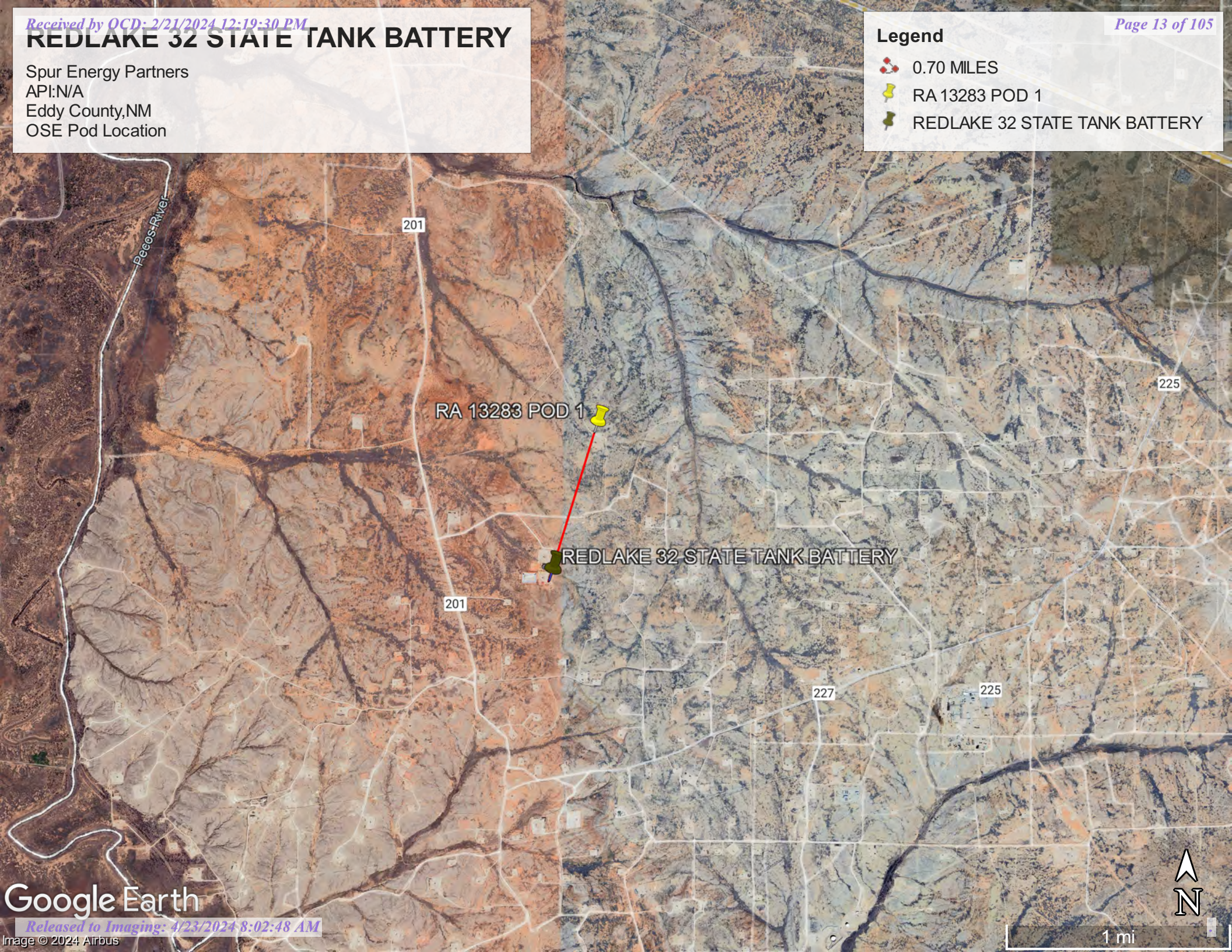
Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
Karst Map



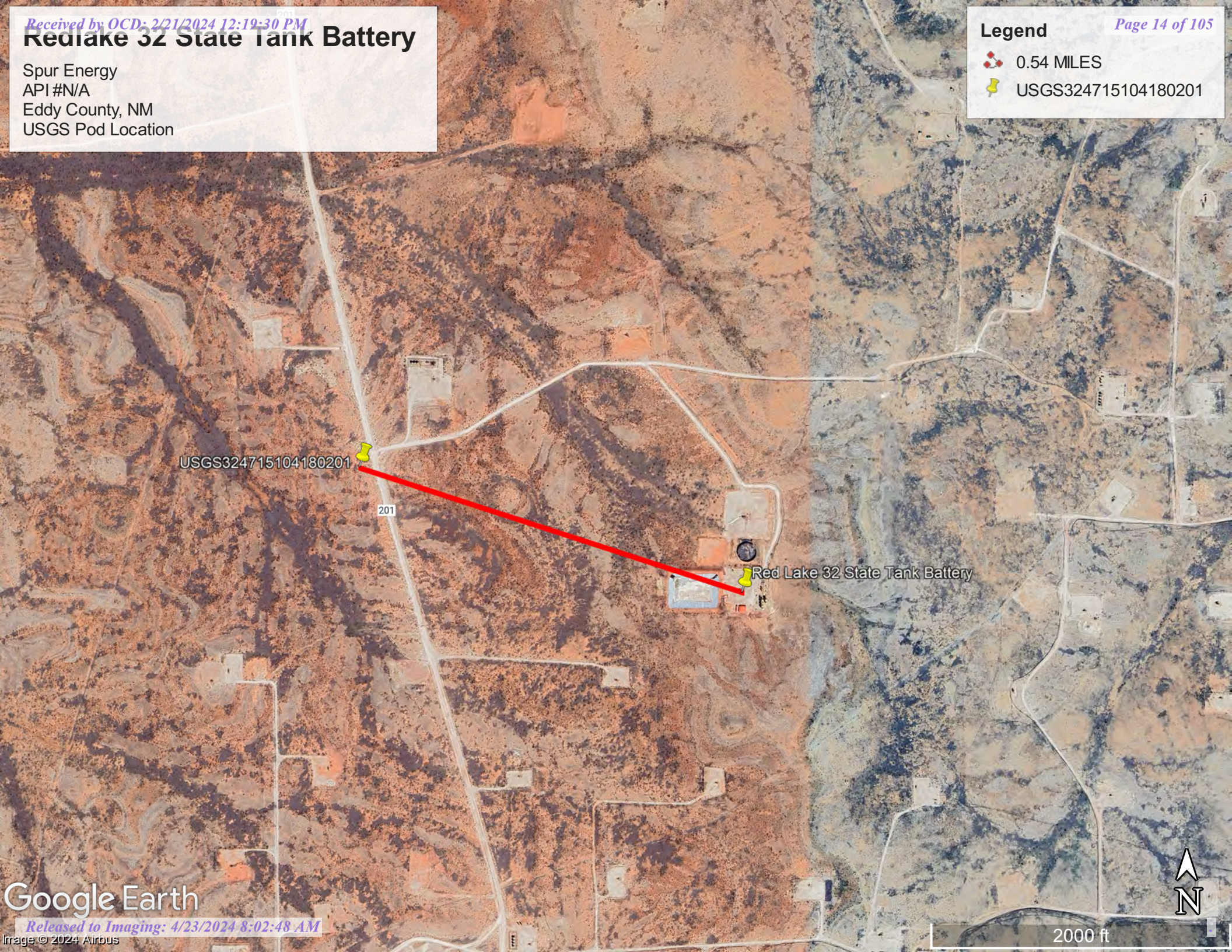
REDLAKE 32 STATE TANK BATTERY

Spur Energy Partners
API:N/A
Eddy County,NM
OSE Pod Location



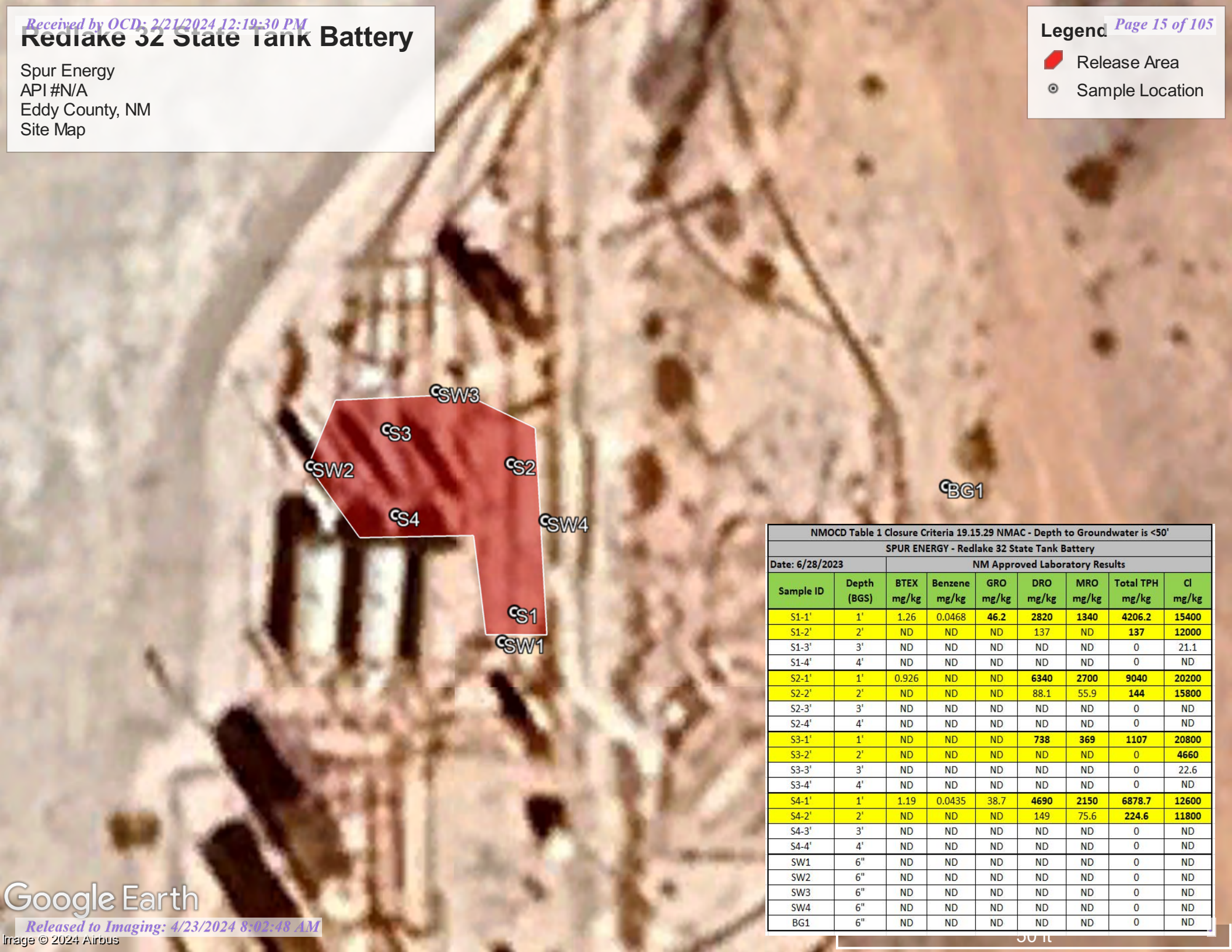
Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
USGS Pod Location



Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
Site Map



NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <50'								
SPUR ENERGY - Redlake 32 State Tank Battery								
Date: 6/28/2023		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
S1-1'	1'	1.26	0.0468	**46.2**	**2820**	**1340**	**4206.2**	**15400**
S1-2'	2'	ND	ND	ND	137	ND	**137**	**12000**
S1-3'	3'	ND	ND	ND	ND	ND	0	21.1
S1-4'	4'	ND	ND	ND	ND	ND	0	ND
S2-1'	1'	0.926	ND	ND	**6340**	**2700**	**9040**	**20200**
S2-2'	2'	ND	ND	ND	88.1	55.9	**144**	**15800**
S2-3'	3'	ND	ND	ND	ND	ND	0	ND
S2-4'	4'	ND	ND	ND	ND	ND	0	ND
S3-1'	1'	ND	ND	ND	**738**	**369**	**1107**	**20800**
S3-2'	2'	ND	ND	ND	ND	ND	0	**4660**
S3-3'	3'	ND	ND	ND	ND	ND	0	22.6
S3-4'	4'	ND	ND	ND	ND	ND	0	ND
S4-1'	1'	1.19	0.0435	38.7	**4690**	**2150**	**6878.7**	**12600**
S4-2'	2'	ND	ND	ND	149	75.6	**224.6**	**11800**
S4-3'	3'	ND	ND	ND	ND	ND	0	ND
S4-4'	4'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
BG1	6"	ND	ND	ND	ND	ND	0	ND

Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
Confirmation Site Map

Legend

- 2.5' Excavation
- 3' Excavation
- Confirmation Sample
- CSW1
- CSW2
- CSW3
- CSW4
- CSW5

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Spur Energy- Red Lake 32 State Tank Battery								
Date: 1/31/2024		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	3'	ND	ND	ND	29.8	ND	29.8	28.7
CS2	3'	ND	ND	ND	ND	ND	ND	24.3
CS3	2.5'	ND	ND	ND	ND	ND	ND	28.2
CS4	2.5'	ND	ND	ND	49.9	ND	49.9	34.9
CSW1	0-3'	ND	ND	ND	ND	ND	ND	26.8
CSW2	0-3'	ND	ND	ND	27.6	ND	27.6	27.1
CSW3	0-2.5'	ND	ND	ND	98.6	ND	98.6	42.5
CSW4	0-2.5'	ND	ND	ND	26.5	ND	26.5	26.5
CSW5	0-2.5'	ND	ND	ND	27.1	ND	27.1	27.3

Google Earth

Image © 2024 Airbus

N

20 ft

Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 13283 POD1		RA	ED	2	3	1	33	17S	27E	566599	3628656	1092	101		
RA 03661		RA	ED	3	2	3	32	17S	27E	565186	3628038*	1143	330	140	190
RA 03664		RA	CH	3	2	3	32	17S	27E	565186	3628038*	1143	400	100	300
RA 03714		RA	CH	4	4	2	08	18S	27E	566212	3625253*	2368	381		

Average Depth to Water: **120 feet**
Minimum Depth: **100 feet**
Maximum Depth: **140 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 566250.46 **Northing (Y):** 3627621.21 **Radius:** 3000

***UTM location was derived from PLSS - see Help**

7/5/23 12:12 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324715104180201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

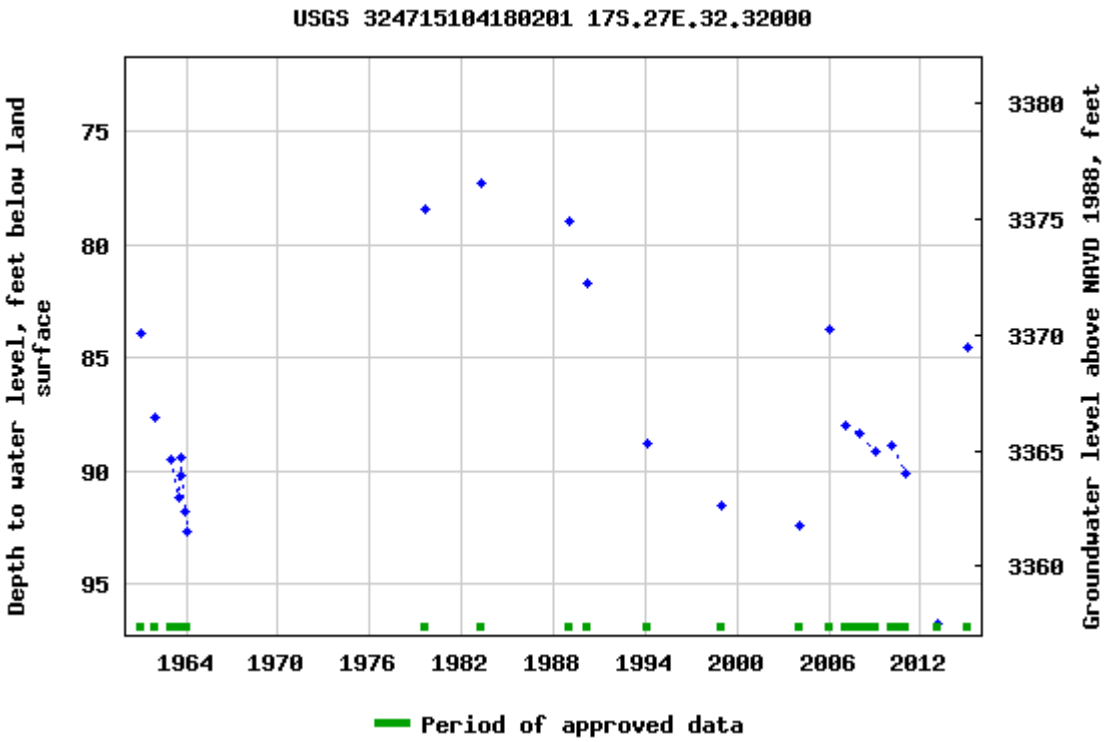
USGS 324715104180201 17S.27E.32.32000

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060007
Latitude 32°47'15", Longitude 104°18'02" NAD27
Land-surface elevation 3,454 feet above NAVD88
The depth of the well is 400 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

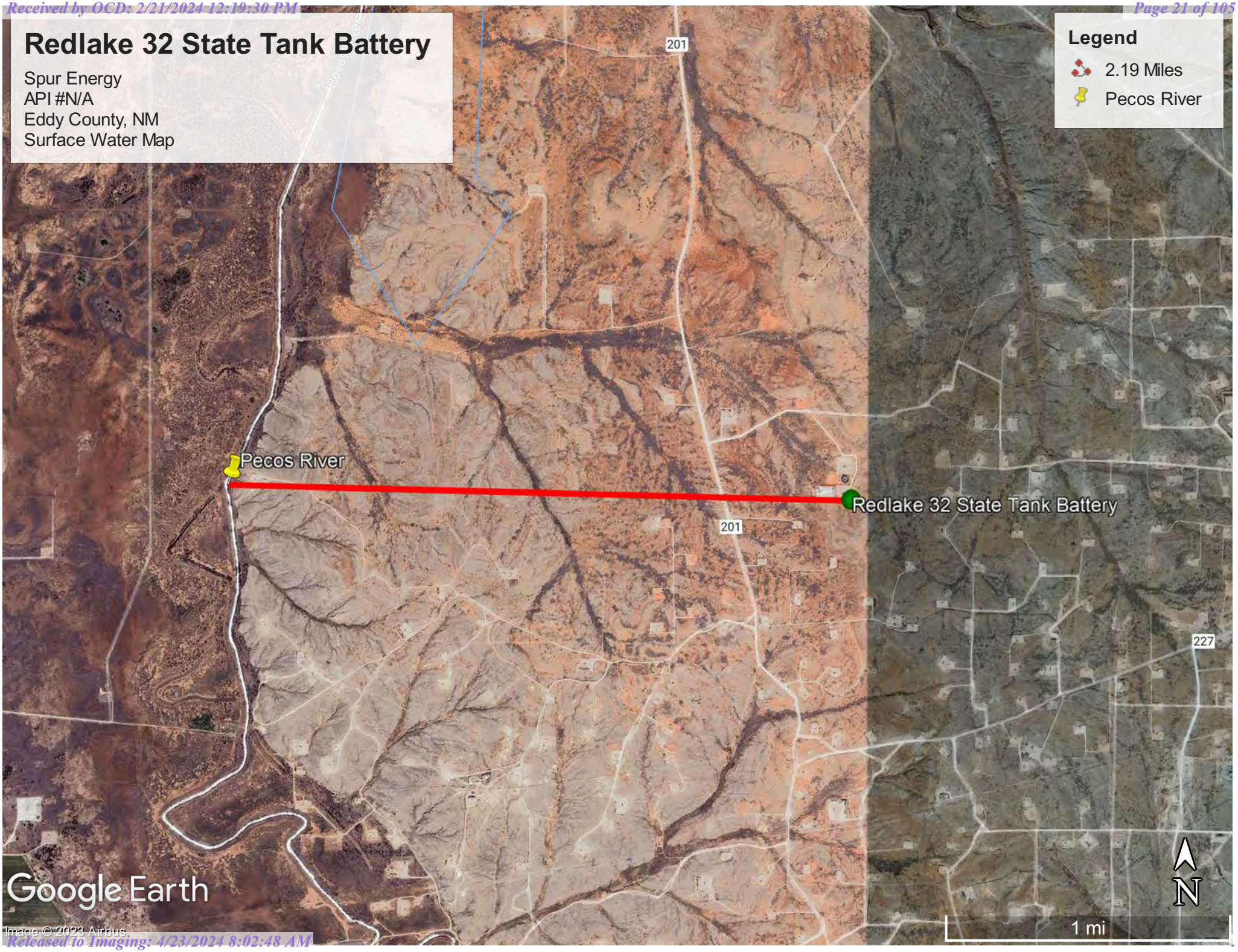
Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2023-07-05 14:14:26 EDT
0.59 0.47 nadww02

Redlake 32 State Tank Battery

Spur Energy
API #N/A
Eddy County, NM
Surface Water Map



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

GA—Gypsum land

Map Unit Setting

National map unit symbol: 1w4f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 66 degrees F
Frost-free period: 190 to 225 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

Cottonwood

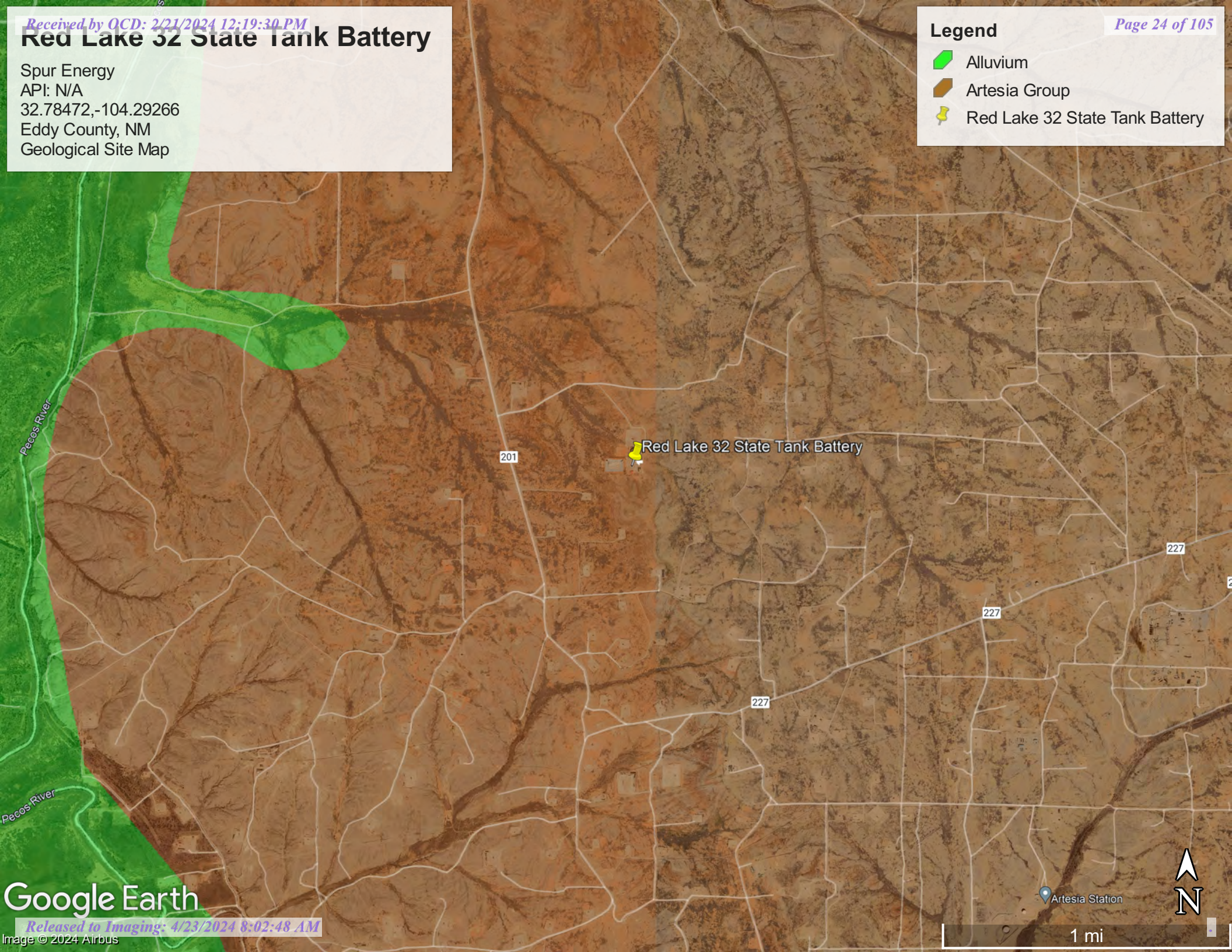
Percent of map unit: 1 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

Red Lake 32 State Tank Battery

Spur Energy
API: N/A
32.78472,-104.29266
Eddy County, NM
Geological Site Map



(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)

Artesia Group

XML (/geology/state/xml/NMPat;0) | JSON (/geology/state/json/NMPat;0)

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

Shelf facies forming broad south-southeast trending outcrop from Glorieta to Artesia area; includes Tansill, Yates, Seven Rivers, Queen and Grayburg Formations (Guadalupian). May locally include Moenkopi Formation (Triassic) at top.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Artesia Group
Geologic age	Guadalupian
Lithologic constituents	Major Sedimentary > Carbonate > Dolostone *(Bed)* *no lith description on map - description from GEOLEX* Sedimentary > Chemical > Evaporite > Anhydrite *(Bed)* *no lith description on map - description from GEOLEX* Sedimentary > Clastic > Mixed-clastic *(Bed)* *no lith description on map - description from GEOLEX - siltstone, sandstone, shale in various amounts*
References	Green, G.N., Jones, G.E., and Anderson, O.J., 1997, The Digital Geologic Map of New Mexico in ARC/INFO Format: U.S. Geological Survey Open-File Report 97-0052, 9 p., scale 1:500,000. https://pubs.er.usgs.gov/publication/ofr9752 (https://pubs.er.usgs.gov/publication/ofr9752) USGS Geologic Names lexicon found at: http://ngmdb.usgs.gov/Geolex/ https://ngmdb.usgs.gov/Geolex/search (https://ngmdb.usgs.gov/Geolex/search)
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) - Guadalupe (/geology/state/fips-unit.php?code=f35019) - Lincoln (/geology/state/fips-unit.php?code=f35027) - Otero (/geology/state/fips-unit.php?code=f35035) - San Miguel (/geology/state/fips-unit.php?code=f35047) - Santa Fe (/geology/state/fips-unit.php?code=f35049) - Sierra (/geology/state/fips-unit.php?code=f35051) - Socorro (/geology/state/fips-unit.php?code=f35053) - Torrance (/geology/state/fips-unit.php?code=f35057)

National Flood Hazard Layer FIRMette

FEMA

104°17'52"W 32°47'20"N

104°17'15"W 32°46'49"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

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

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/5/2023 at 2:27 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

July 5, 2023

Wetlands_Alaska

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

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

48-Hour Notification

Sebastian@pimaoil.com

From: OCDOnline@state.nm.us
Sent: Monday, January 29, 2024 3:01 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 309149

To whom it may concern (c/o Sebastian Orozco for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2317136107.

The sampling event is expected to take place:

When: 01/31/2024 @ 15:00
Where: P-32-17S-27E 0 FNL 0 FEL (32.78472,-104.29266)

Additional Information: Andrew Franco 1(806)200-0054

Additional Instructions: From Artesia, NM head east on US-82 E/W Main St and continue for 5.5 miles. Turn right onto Chalk Bluff Rd and continue for 3.4 miles. Turn left on an unnamed dirt road and continue for 0.38 miles. Make a right turn and continue for 0.36 miles. The location is to the left.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Pima Environmental Services

Appendix D

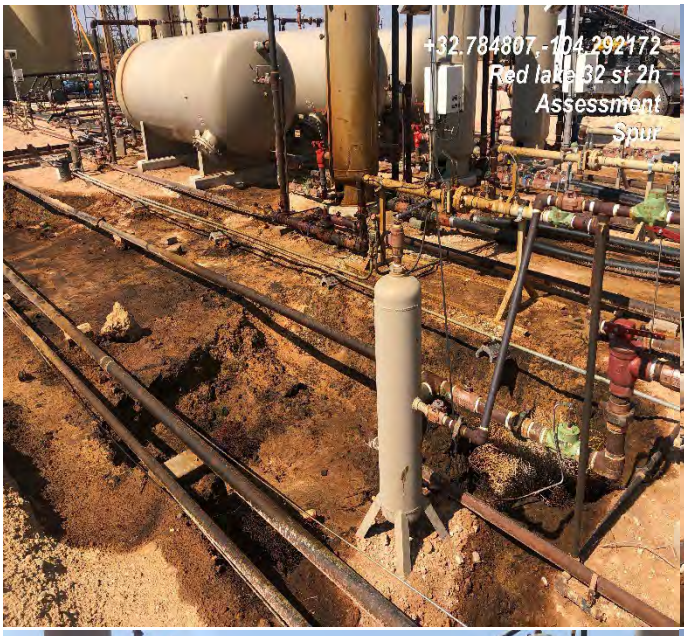
Photographic Documentation

SPUR ENEGRY PARTNERS

REDLAKE 32 STATE TANK BATTERY

SITE PHOTOGRAPHS

PRE-



\

MID-

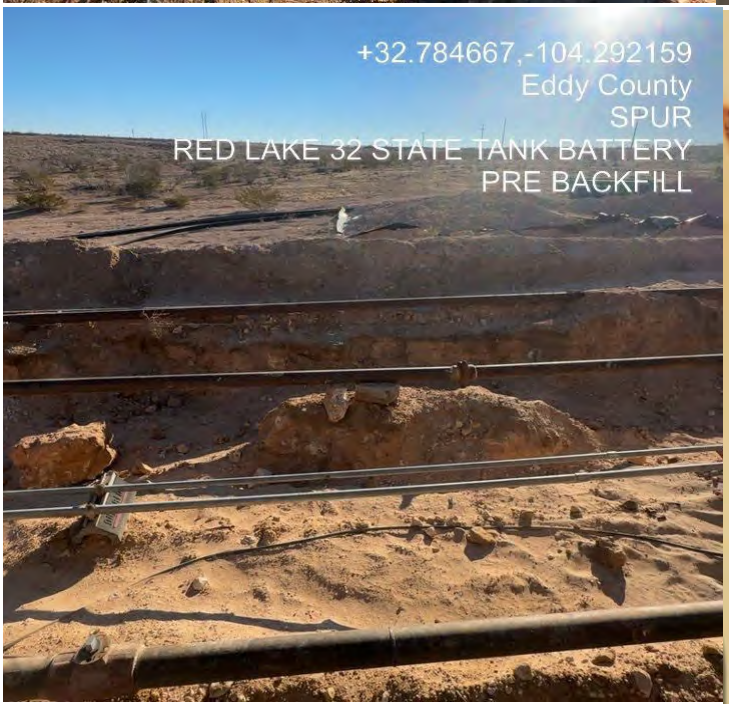

PRE EXCAVATION


PRE EXCAVATION


PRE EXCAVATION


PRE EXCAVATION

OPEN EXCAVATION-



POST-


+32.784749,-104.292206
Eddy County
SPUR
RED LAKE 32 STATE TANK BATTERY
POST BACKFILL


+32.784749,-104.292206
Eddy County
SPUR
RED LAKE 32 STATE TANK BATTERY
POST BACKFILL


+32.784628,-104.292133
Eddy County
SPUR
RED LAKE 32 STATE TANK BATTERY
POST BACKFILL


+32.784562,-104.292113
Eddy County
SPUR
RED LAKE 32 STATE TANK BATTERY
POST BACKFILL


+32.784660 -104.292455
Eddy County
SPUR
RED LAKE 32 STATE TANK BATTERY
POST BACKFILL

Pima Environmental Services

Appendix E

Laboratory Reports

Field Notes

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Red lake 32 #2H
Work Order:	E306223
Job Number:	21068-0001
Received:	6/29/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/7/23

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: 7/7/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Red lake 32 #2H
Workorder: E306223
Date Received: 6/29/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/29/2023 8:00:00AM, under the Project Name: Red lake 32 #2H.

The analytical test results summarized in this report with the Project Name: Red lake 32 #2H 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 reguarding 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/07/23 15:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E306223-01A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S1 - 3'	E306223-02A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S1 - 4	E306223-03A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S2 - 1'	E306223-04A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S2 - 3'	E306223-05A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S2 - 4'	E306223-06A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S3 - 1'	E306223-07A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S3 - 3'	E306223-08A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S3 - 4'	E306223-09A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S4 - 1'	E306223-10A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S4 - 3'	E306223-11A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S4 - 4'	E306223-12A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
SW1	E306223-13A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
SW2	E306223-14A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
SW3	E306223-15A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
SW4	E306223-16A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
BG1	E306223-17A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S1 - 2'	E306223-18A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S2 - 2'	E306223-19A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S3 - 2'	E306223-20A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.
S4 - 2	E306223-21A	Soil	06/28/23	06/29/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S1 - 1'

E306223-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	**0.0468**	0.0250	1	06/29/23	07/05/23	
Ethylbenzene	**0.569**	0.0250	1	06/29/23	07/05/23	
Toluene	**0.509**	0.0250	1	06/29/23	07/05/23	
o-Xylene	**0.259**	0.0250	1	06/29/23	07/05/23	
p,m-Xylene	**1.01**	0.0500	1	06/29/23	07/05/23	
Total Xylenes	**1.26**	0.0250	1	06/29/23	07/05/23	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	**46.2**	20.0	1	06/29/23	07/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	**2820**	250	10	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	**1340**	500	10	07/05/23	07/06/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**15400**	1000	50	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S1 - 3'

E306223-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**21.1**	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S1 - 4

E306223-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S2 - 1'

E306223-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0500	2	06/29/23	07/05/23	
Ethylbenzene	**0.474**	0.0500	2	06/29/23	07/05/23	
Toluene	**0.373**	0.0500	2	06/29/23	07/05/23	
o-Xylene	**0.211**	0.0500	2	06/29/23	07/05/23	
p,m-Xylene	**0.715**	0.100	2	06/29/23	07/05/23	
Total Xylenes	**0.926**	0.0500	2	06/29/23	07/05/23	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	40.0	2	06/29/23	07/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	**6340**	500	20	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	**2700**	1000	20	07/05/23	07/06/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**20200**	1000	50	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S2 - 3'

E306223-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S2 - 4'

E306223-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S3 - 1'

E306223-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	07/05/23	
Ethylbenzene	ND	0.0250	1	06/29/23	07/05/23	
Toluene	ND	0.0250	1	06/29/23	07/05/23	
o-Xylene	ND	0.0250	1	06/29/23	07/05/23	
p,m-Xylene	ND	0.0500	1	06/29/23	07/05/23	
Total Xylenes	ND	0.0250	1	06/29/23	07/05/23	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	07/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	**738**	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	**369**	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**20800**	1000	50	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S3 - 3'

E306223-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*113 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**22.6**	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S3 - 4'

E306223-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S4 - 1'

E306223-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	**0.0435**	0.0250	1	06/29/23	07/05/23	
Ethylbenzene	**0.602**	0.0250	1	06/29/23	07/05/23	
Toluene	**0.621**	0.0250	1	06/29/23	07/05/23	
o-Xylene	**0.254**	0.0250	1	06/29/23	07/05/23	
p,m-Xylene	**0.933**	0.0500	1	06/29/23	07/05/23	
Total Xylenes	**1.19**	0.0250	1	06/29/23	07/05/23	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	**38.7**	20.0	1	06/29/23	07/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*06/29/23*	*07/05/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	**4690**	250	10	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	**2150**	500	10	07/05/23	07/06/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**12600**	1000	50	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S4 - 3'

E306223-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S4 - 4'

E306223-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

SW1

E306223-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/06/23	
Surrogate: n-Nonane		*113 %*	*50-200*	*07/05/23*	*07/06/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

SW2

E306223-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/07/23	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

SW3

E306223-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/07/23	
Surrogate: n-Nonane		*114 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	06/30/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

SW4

E306223-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/07/23	
Surrogate: n-Nonane		*113 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	07/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

BG1

E306223-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/07/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	ND	20.0	1	06/30/23	07/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S1 - 2'

E306223-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	**137**	125	5	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	ND	250	5	07/05/23	07/07/23	
Surrogate: n-Nonane		*79.1 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**12000**	400	20	06/30/23	07/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S2 - 2'

E306223-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	**88.1**	25.0	1	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	**55.9**	50.0	1	07/05/23	07/07/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**15800**	400	20	06/30/23	07/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S3 - 2'

E306223-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326064
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2327014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/23	07/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/23	07/07/23	
Surrogate: n-Nonane		*118 %*	*50-200*	*07/05/23*	*07/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326088
Chloride	**4660**	400	20	06/30/23	07/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

S4 - 2

E306223-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2326071
Benzene	ND	0.0250	1	06/29/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/29/23	06/30/23	
Toluene	ND	0.0250	1	06/29/23	06/30/23	
o-Xylene	ND	0.0250	1	06/29/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/29/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/29/23	06/30/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/29/23*	*06/30/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2326071
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/29/23	06/30/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*06/29/23*	*06/30/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*06/29/23*	*06/30/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/29/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326097
Diesel Range Organics (C10-C28)	**149**	25.0	1	06/30/23	07/05/23	
Oil Range Organics (C28-C36)	**75.6**	50.0	1	06/30/23	07/05/23	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*06/30/23*	*07/05/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326091
Chloride	**11800**	400	20	06/30/23	06/30/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326071-BLK1)									Prepared: 06/29/23 Analyzed: 06/30/23
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: Bromofluorobenzene	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS (2326071-BS1)									Prepared: 06/29/23 Analyzed: 06/30/23
Benzene	2.29	0.0250	2.50		91.4	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.3	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.32	0.0250	2.50		93.0	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.9	70-130			
Total Xylenes	6.87	0.0250	7.50		91.6	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.3*	*70-130*			
Matrix Spike (2326071-MS1)				**Source: E306224-27**					Prepared: 06/29/23 Analyzed: 06/30/23
Benzene	2.41	0.0250	2.50	ND	96.6	48-131			
Ethylbenzene	2.40	0.0250	2.50	ND	95.8	45-135			
Toluene	2.34	0.0250	2.50	ND	93.6	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.8	43-135			
p,m-Xylene	4.74	0.0500	5.00	ND	94.9	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike Dup (2326071-MSD1)				**Source: E306224-27**					Prepared: 06/29/23 Analyzed: 06/30/23
Benzene	2.25	0.0250	2.50	ND	90.2	48-131	6.88	23	
Ethylbenzene	2.28	0.0250	2.50	ND	91.0	45-135	5.14	27	
Toluene	2.23	0.0250	2.50	ND	89.1	48-130	4.93	24	
o-Xylene	2.37	0.0250	2.50	ND	94.7	43-135	2.17	27	
p,m-Xylene	4.59	0.0500	5.00	ND	91.8	43-135	3.27	27	
Total Xylenes	6.96	0.0250	7.50	ND	92.8	43-135	2.90	27	
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*99.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326064-BLK1)									Prepared: 06/29/23 Analyzed: 06/30/23
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	*7.88*		*8.00*		*98.5*	*70-130*			
LCS (2326064-BS1)									Prepared: 06/29/23 Analyzed: 06/30/23
Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.1	70-130			
Toluene	4.85	0.0250	5.00		97.0	70-130			
o-Xylene	4.92	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.82	0.0500	10.0		98.2	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.3*	*70-130*			
Matrix Spike (2326064-MS1)				**Source: E306223-03**					Prepared: 06/29/23 Analyzed: 06/30/23
Benzene	4.85	0.0250	5.00	ND	96.9	54-133			
Ethylbenzene	4.95	0.0250	5.00	ND	99.0	61-133			
Toluene	5.03	0.0250	5.00	ND	101	61-130			
o-Xylene	5.11	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike Dup (2326064-MSD1)				**Source: E306223-03**					Prepared: 06/29/23 Analyzed: 06/30/23
Benzene	4.51	0.0250	5.00	ND	90.2	54-133	7.19	20	
Ethylbenzene	4.60	0.0250	5.00	ND	92.0	61-133	7.36	20	
Toluene	4.69	0.0250	5.00	ND	93.8	61-130	7.04	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	6.81	20	
p,m-Xylene	9.51	0.0500	10.0	ND	95.1	63-131	7.34	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.2	63-131	7.16	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.06*		*8.00*		*101*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326064-BLK1)									Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.96*		*8.00*		*86.9*	*70-130*			
LCS (2326064-BS2)									Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	38.3	20.0	50.0		76.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.08*		*8.00*		*88.5*	*70-130*			
Matrix Spike (2326064-MS2)				**Source: E306223-03**					Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	38.2	20.0	50.0	ND	76.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.96*		*8.00*		*87.1*	*70-130*			
Matrix Spike Dup (2326064-MSD2)				**Source: E306223-03**					Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0	ND	75.0	70-130	1.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326071-BLK1)									Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS (2326071-BS2)									Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	61.5	20.0	50.0		123	70-130			
Surrogate: Bromofluorobenzene	*0.551*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike (2326071-MS2)				**Source: E306224-27**					Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.550*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2326071-MSD2)				**Source: E306224-27**					Prepared: 06/29/23 Analyzed: 06/30/23
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130	1.96	20	
Surrogate: Bromofluorobenzene	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326097-BLK1)									Prepared: 06/30/23 Analyzed: 07/05/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*50-200*			
LCS (2326097-BS1)									Prepared: 06/30/23 Analyzed: 07/05/23
Diesel Range Organics (C10-C28)	253	25.0	250		101	38-132			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			
Matrix Spike (2326097-MS1)				**Source: E306245-24**					Prepared: 06/30/23 Analyzed: 07/05/23
Diesel Range Organics (C10-C28)	276	25.0	250	36.5	95.7	38-132			
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			
Matrix Spike Dup (2326097-MSD1)				**Source: E306245-24**					Prepared: 06/30/23 Analyzed: 07/05/23
Diesel Range Organics (C10-C28)	273	25.0	250	36.5	94.7	38-132	0.884	20	
Surrogate: n-Nonane	*41.7*		*50.0*		*83.5*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2327014-BLK1)									Prepared: 07/05/23 Analyzed: 07/06/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2327014-BS1)									Prepared: 07/05/23 Analyzed: 07/06/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
Matrix Spike (2327014-MS1)				**Source: E306223-05**					Prepared: 07/05/23 Analyzed: 07/06/23
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2327014-MSD1)				**Source: E306223-05**					Prepared: 07/05/23 Analyzed: 07/06/23
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	1.22	20	
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326088-BLK1)									Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	ND	20.0							
LCS (2326088-BS1)									Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	276	20.0	250		110	90-110			
Matrix Spike (2326088-MS1)				**Source: E306223-01**					Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	16400	1000	250	15400	394	80-120			M5
Matrix Spike Dup (2326088-MSD1)				**Source: E306223-01**					Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	12400	1000	250	15400	NR	80-120	27.8	20	M5

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red lake 32 #2H	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/7/2023 3:23:55PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326091-BLK1)									Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	ND	20.0							
LCS (2326091-BS1)									Prepared: 06/30/23 Analyzed: 07/06/23
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2326091-MS1)				**Source: E306223-21**					Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	16300	400	250	11800	NR	80-120			M5
Matrix Spike Dup (2326091-MSD1)				**Source: E306223-21**					Prepared: 06/30/23 Analyzed: 06/30/23
Chloride	16300	400	250	11800	NR	80-120	0.379	20	M5

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:	Red lake 32 #2H	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/07/23 15:23

M5	The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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 | Page 1 of 23

Client: Pima Environmental Services	Bill To	Lab Use Only	TAT / EPA Program
Project: Red Lake 32 #2H	Attention: Spur	Lab WO# E306223	Job Number 21068-0001
Project Manager: Tom Bynum	Address:	1D 2D 3D Standard: X	CWA / SDWA / RCRA
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method	State: NM X
City, State, Zip Hobbs, NM, 88240	Phone:		
Phone: 580-748-1613	Email:		
Email: tom@pimaoil.com	Pima Project #		
Report due by:			

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
8:00	6/28	S	1	S1-1'	1							X		
8:05	"	"	"	S1-3'	2							"		
8:10	"	"	"	S1-4'	3							"		
8:15	"	"	"	S2-1'	4							"		
8:20	"	"	"	S2-3'	5							"		
8:25	"	"	"	S2-4'	6							"		
8:30	"	"	"	S3-1'	7							"		
8:45	"	"	"	S3-3'	8							"		
8:50	"	"	"	S3-4'	9							"		
8:55	"	"	"	S4-1'	10							"		

Additional Instructions: Bill to Pima E

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. Sampled by:

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)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	6/28/23	200	Michelle Gonzales	6-28-23	1400
Michelle Gonzales	6-28-23	1700		6-28-23	1730
	6-28-23	2345	Caitlin Mann	6/29/23	8:00

Lab Use Only — Received on ice: (Y) / N — T1 ____ T2 ____ T3 ____ — AVG Temp °C 4

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.

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Red Lake 32 #2H	Attention: SPUR	Lab WO# E306223
Project Manager: Tom Bynum	Address:	Job Number 21068-0001
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 580-748-1613	Email:	
Email: tom@pimaoil.com	Pima Project # 6-80	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA

State: NM X | CO | UT | AZ | TX

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
9:00	6/20	S	1	S4-3'	11							X		
9:05				S4-4'	12									
9:10				SW1	13									
9:15				SW2	14									
9:20				SW3	15									
9:35				SW4	16									
9:30				BG1	17									

Additional Instructions: Bill to Pima

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. Sampled by:

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)	Date	Time	Received by: (Signature)	Date	Time
Kusime Adame	6/28/23	200	Michelle Kenyada	6-28-23	1400
Michelle Kenyada	6-28-23	1700		6-28-23	1730
	6-28-23	2345	Courtney Man	6/29/23	8:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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.

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Project Information | Chain of Custody | Page 3 of 3

Client: Pima Environmental Services
Project: Red Lake 32 H 2H
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Spur
Address:
City, State, Zip
Phone:
Email:
Pima Project # 6-80

Lab Use Only
Lab WO# E306223 | Job Number 21068-0001

TAT: 1D | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

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
9:35	6/28	S	1	S1-2'	18									X				
9:40				S2-2'	19													
9:45				S3-2'	20													
9:50				S4-2	21													

Additional Instructions: Bill to Pima E

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. Sampled by:

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)	Date	Time	Received by: (Signature)	Date	Time
Jurime Adame	6/28/23	200	Michelle Campos	6-28-23	1400
Michelle Campos	6-28-23	1700		6-28-23	1730
	6-28-23	2345	Cath Mar	6/29/23	8:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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.

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Envirotech Analytical Laboratory

Printed: 6/29/2023 1:07:13PM

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:	06/29/23 08:00	Work Order ID:	E306223
Phone:	(575) 631-6977	Date Logged In:	06/29/23 10:07	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/07/23 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

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 filteration 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

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

Date

envirotech Inc.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Red Lake 32 State Tank Battery
Work Order:	E402023
Job Number:	21068-0001
Received:	2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/24

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: 2/8/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Red Lake 32 State Tank Battery
Workorder: E402023
Date Received: 2/2/2024 6:10:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Red Lake 32 State Tank Battery.

The analytical test results summarized in this report with the Project Name: Red Lake 32 State Tank Battery 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 reguarding 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/24 15:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E402023-01A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CS2	E402023-02A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CS3	E402023-03A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CS4	E402023-04A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CSW1	E402023-05A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CSW2	E402023-06A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CSW3	E402023-07A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CSW4	E402023-08A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
CSW5	E402023-09A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CS1

E402023-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	**29.8**	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**28.7**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CS2

E402023-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.7 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.7 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*97.5 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**24.3**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CS3

E402023-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**28.2**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CS4

E402023-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	**49.9**	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**34.9**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CSW1

E402023-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**26.8**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CSW2

E402023-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.2 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.2 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	**27.6**	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**27.1**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CSW3

E402023-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*94.4 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*94.4 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	**98.6**	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**42.5**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CSW4

E402023-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*94.7 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*94.7 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	**26.5**	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**26.5**	20.0	1	02/04/24	02/05/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

CSW5

E402023-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Benzene	ND	0.0250	1	02/02/24	02/06/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/06/24	
Toluene	ND	0.0250	1	02/02/24	02/06/24	
o-Xylene	ND	0.0250	1	02/02/24	02/06/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/06/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2405150
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/06/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/02/24*	*02/06/24*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*02/02/24*	*02/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2406038
Diesel Range Organics (C10-C28)	**27.1**	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/06/24*	*02/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406001
Chloride	**27.3**	20.0	1	02/04/24	02/05/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405150-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
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: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.530*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.470*		*0.500*		*94.0*	*70-130*			
LCS (2405150-BS1)									Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.6	70-130			
Toluene	2.36	0.0250	2.50		94.4	70-130			
o-Xylene	2.42	0.0250	2.50		96.8	70-130			
p,m-Xylene	4.74	0.0500	5.00		94.9	70-130			
Total Xylenes	7.16	0.0250	7.50		95.5	70-130			
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.473*		*0.500*		*94.5*	*70-130*			
Matrix Spike (2405150-MS1)				**Source: E402017-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.70	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.43	0.0250	2.50	ND	97.2	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.2	43-135			
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135			
Total Xylenes	7.13	0.0250	7.50	ND	95.1	43-135			
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.474*		*0.500*		*94.7*	*70-130*			
Matrix Spike Dup (2405150-MSD1)				**Source: E402017-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Benzene	2.60	0.0250	2.50	ND	104	48-131	3.96	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135	2.81	27	
Toluene	2.35	0.0250	2.50	ND	94.2	48-130	3.22	24	
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135	0.456	27	
p,m-Xylene	4.74	0.0500	5.00	ND	94.7	43-135	0.127	27	
Total Xylenes	7.15	0.0250	7.50	ND	95.3	43-135	0.238	27	
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.475*		*0.500*		*94.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2405150-BLK1)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.530*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.470*		*0.500*		*94.0*	*70-130*			
LCS (2405150-BS2)									Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	58.1	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.476*		*0.500*		*95.2*	*70-130*			
Matrix Spike (2405150-MS2)				**Source: E402017-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.476*		*0.500*		*95.1*	*70-130*			
Matrix Spike Dup (2405150-MSD2)				**Source: E402017-04**					Prepared: 02/02/24 Analyzed: 02/06/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	4.85	20	
Surrogate: Bromofluorobenzene	*0.547*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.537*		*0.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.478*		*0.500*		*95.6*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406038-BLK1)									Prepared: 02/06/24 Analyzed: 02/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.7*		*50.0*		*89.3*	*50-200*			
LCS (2406038-BS1)									Prepared: 02/06/24 Analyzed: 02/06/24
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
Matrix Spike (2406038-MS1)				**Source: E402004-02**					Prepared: 02/06/24 Analyzed: 02/06/24
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132			
Surrogate: n-Nonane	*48.7*		*50.0*		*97.5*	*50-200*			
Matrix Spike Dup (2406038-MSD1)				**Source: E402004-02**					Prepared: 02/06/24 Analyzed: 02/06/24
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132	1.17	20	
Surrogate: n-Nonane	*47.8*		*50.0*		*95.5*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Red Lake 32 State Tank Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 3:05:01PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406001-BLK1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	ND	20.0							
LCS (2406001-BS1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	247	20.0	250		98.7	90-110			
LCS Dup (2406001-BSD1)									Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	245	20.0	250		98.1	90-110	0.575	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:	Red Lake 32 State Tank Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/24 15:05

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 | Page 1 of 1

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Red Lake 32 State Tank Battery	Attention: Spur	Lab WO# E402023
Project Manager: Tom Bynum	Address:	Job Number 21068-0001
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 580-748-1613	Email:	
Email: tom@pimaoil.com	Pima Project # 6-80	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA

State: NM X | CO | UT | AZ | TX

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
3:00	1/31	S		CS1	1									X				
3:06	"	"		CS2	2									"				
3:19				CS3	3													
3:25				CS4	4													
3:41				CSW1	5													
3:56				CSW2	6													
4:08				CSW3	7													
4:17				CSW4	8													
4:28	"	"		CSW5	9									"				

Additional Instructions: Bill Directly to Spur

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. Sampled by:

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)	Date	Time	Received by: (Signature)	Date	Time
Vanessa Adame			Michelle Gaylor	2-1-24	1400
Michelle Gaylor	2-1-24	1630		2/1/24	1630
	2/1/24	2348	Miesse	020124	0610

Lab Use Only — Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 2/2/2024 8:37:39AM

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:	02/02/24 06:10	Work Order ID:	E402023
Phone:	(575) 631-6977	Date Logged In:	02/02/24 08:04	Logged In By:	Jessica Liesse
Email:	tom@pimaoil.com	Due Date:	02/08/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Number of containers not provided on COC.

Client Instruction

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

Date

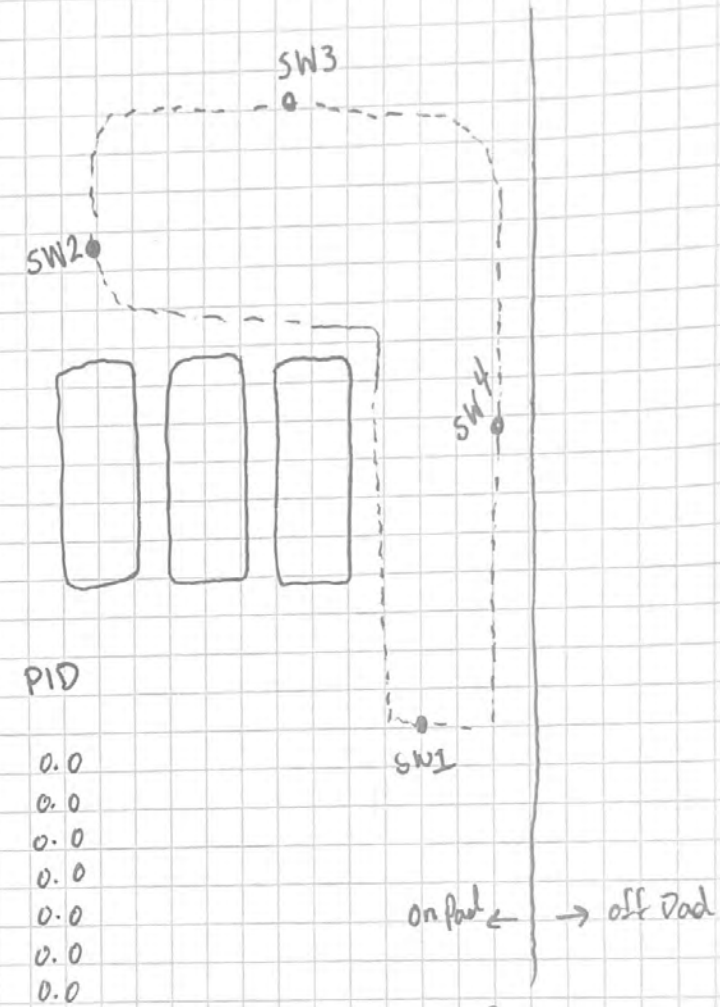
envirotech Inc.

Redlake 32 Stale Tank Battery - SPUR Energy

6/28/23

Sample Collection Time

SW1 - 1'	@	2:13 pm
SW1 - 2'	@	2:32 pm
SW2 - 1'	@	2:44 pm
SW2 - 2'	@	2:58 pm
SW3 - 1'	@	3:09 pm
SW3 - 2'	@	3:18 pm
SW4 - 1'	@	3:31 pm
SW4 - 2'	@	3:45 pm



Sample Name	Titration	PID
• SW1 - 1'	0.0	0.0
• SW1 - 2'	0.0	0.0
• SW2 - 1'	0.0	0.0
• SW2 - 2'	0.0	0.0
• SW3 - 1'	0.0	0.0
• SW3 - 2'	0.0	0.0
• SW4 - 1'	0.0	0.0
• SW4 - 2'	0.0	0.0

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QUESTIONS

Action 316323

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2317136107**
Incident Name	**NAPP2317136107 REDLAKE 32 STATE TANK BATTERY @ 0**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	REDLAKE 32 STATE TANK BATTERY
Date Release Discovered	06/20/2023
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	Cause: High Line Pressure | Valve | Crude Oil | Released: 30 BBL | Recovered: 28 BBL | Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: High Line Pressure | Valve | Produced Water | Released: 30 BBL | Recovered: 28 BBL | Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	HOLE IN CHECK VALVE CAUSED A PRODUCED WATER RELEASE INTO UNLINED CONTAINMENT

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	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	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
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.	

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: 02/21/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	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	U.S. Geological Survey
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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between ½ and 1 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	High
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
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.	
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)	42.5
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	98.6
GRO+DRO (EPA SW-846 Method 8015M)	98.6
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	01/22/2024
On what date will (or did) the final sampling or liner inspection occur	01/31/2024
On what date will (or was) the remediation complete(d)	01/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	600
What is the estimated volume (in cubic yards) that will be remediated	52
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 (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	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: 02/21/2024
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 (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**309149**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/31/2024**
What was the (estimated) number of samples that were to be gathered	**7**
What was the sampling surface area in square feet	**600**

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	600
What was the total volume (cubic yards) remediated	52
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	REMEDIATED ON PAD

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: 02/21/2024

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

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 316323

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 316323
	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 #NAPP2317136107 REDLAKE 32 STATE TANK BATTERY, thank you. This Remediation Closure Report is approved.	4/23/2024