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

August 25, 2024

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

Re: Site Assessment, Remediation, and Closure Report
Firecracker State Battery
API No. N/A
GPS: Latitude 32.8311001 Longitude -104.1433201
UL "O", Sec. 14, T17S, R28E
Eddy County, NM
NMOCD Ref. No. NAPP2415638717

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 release that occurred at the Firecracker State Battery (Firecracker). The initial C-141 was submitted on June 6th, 2024 (Appendix C). This incident was assigned Incident ID NAPP2415638717, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Firecracker is located approximately 8.30 miles east of Riverside, NM. This spill site is in Unit O, Section 14, Township 17S, Range 28E, Latitude 32.8311001, Longitude -104.1433201, Eddy County, NM. Figure 1 references a location map.

As per the New Mexico Bureau of Geology and Mineral Resources, the geological classification encompasses Piedmont alluvial deposits (Holocene and lower Pleistocene), detailed in Appendix B. The soil composition in this vicinity predominantly consists of Simona gravelly fine sandy loam, exhibiting 0 to 3 percent slopes, 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 minimal likelihood of karst geology in the vicinity of Firecracker (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 58 feet below grade surface (BGS), located around 0.71 miles from the site, as indicated by water well (RA12307). Additionally, according to data from the United States Geological Survey (USGS), the closest groundwater well, USGS 324855104093101, is situated approximately 1.4 miles away and registers a water depth of 78.55 feet BGS. For precise locations, please refer to Appendix A, which contains a detailed water well map displaying both OSE and USGS well positions. Furthermore, a flat lake, the closest waterway, is situated approximately 7.26 miles north 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' (NO GW DATA)	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

NAPP2415638717: On May 31, 2024, a clamp-on transfer pump malfunctioned, releasing produced water into the lined containment area and flowed over the liner berm onto the southern portion of the pad near the load-out pod. The affected area outside the lined containment measured approximately 370 square feet. Approximately 24 barrels of produced water were released. A vacuum truck was deployed and successfully recovered 22 barrels, while the remaining 2 barrels seeped into the engineered pad and will be addressed through excavation processes.

Site Assessment and Soil Sampling Results

On June 19, 2024, 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 westernmost limit of the impacted area. A total of three bottom samples (S1-S3) were acquired for vertical delineation, complemented by the collection of six soil samples (HD1-HD6) for horizontal delineation purposes. Samples S1 through S3 were gathered at depth intervals extending to 4 feet bgs (below ground surface). Each sample from the vertical and horizontal delineation samples represents an area of no more than 200 square feet within the release area. The laboratory results from this sampling event are detailed in the accompanying data table. A full laboratory report can be found in Appendix E.

6-19-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is (<50')								
Spur Energy - Firecracker State Battery								
Sample Date:6-19-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	Surface	ND	ND	ND	ND	ND	0	1040
	2'	ND	ND	ND	ND	ND	0	1750
	4'	ND	ND	ND	ND	ND	0	22.4
S2	Surface	ND	ND	ND	ND	ND	0	1400
	2'	ND	ND	ND	ND	ND	0	607
	4'	ND	ND	ND	ND	ND	0	ND
S3	Surface	ND	ND	ND	ND	ND	0	2670
	2'	ND	ND	ND	ND	ND	0	1400
	4'	ND	ND	ND	ND	ND	0	20.5
HD1	2'	ND	ND	ND	ND	ND	0	23
HD2	2'	ND	ND	ND	ND	ND	0	29.3
HD3	2'	ND	ND	ND	ND	ND	0	ND
HD4	2'	ND	ND	ND	ND	ND	0	20.8
HD5	2'	ND	ND	ND	ND	ND	0	25.5
HD6	2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Each soil sample consisted of a grab sample from the impacted area, specifically representing an area not exceeding 200 square feet. A total of fifteen (15) samples were collected for laboratory analysis, targeting 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, and GRO) using EPA Method 8015D. All samples were placed into laboratory-supplied glassware, properly labeled, and stored on ice until delivered to Envirotech Laboratories in Farmington, New Mexico (Appendix C).

Remediation Activities

From August 5 to August 12, Pima deployed a manual shoveling crew along with a hydrovac truck to excavate the area, including soil sample locations S1-S3, to a depth of 3.5 feet below ground surface (bgs). The excavated zone covered approximately 500 square feet, resulting in the removal of roughly 55 cubic yards of contaminated soil. All contaminated materials were safely transported to Lea Land, an NMOCD-approved disposal facility.

On August 11, 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 August 13, 2024, a Pima field technician was dispatched to the Firecracker site to conduct a confirmation sampling event. Three bottom samples (CS1-CS3) were collected from the base of the excavation at a depth of 3.5 feet below ground surface (bgs). Additionally, four sidewall samples (CSW1-CSW4) were gathered, extending from the bottom to the top of the excavation's sidewalls. CSW1 measured 22 feet in length and 3.5 feet in depth, CSW2 measured 35 feet by 3.5 feet, CSW3 measured 13 feet by 3.5 feet, and CSW4 measured 36 feet by 3.5 feet. Each soil sample represents a 5-point composite. The bottom and side wall samples each covered an area of no more than 200 square feet within the excavated zone. The exact locations of each soil sample are indicated on our site map, while Figure 5 provides detailed illustrations of the confirmation sampling event and the excavation area. A summary of the sampling results is presented in the attached data table.

8-13-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is (<50)								
Spur Energy - Firecracker State Battery								
Sample Date: 8-13-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	3.5'	ND	ND	ND	ND	ND	0	16
CS2	3.5'	ND	ND	ND	ND	ND	0	16
CS3	3.5'	ND	ND	ND	ND	ND	0	16
CSW1	0-3.5'	ND	ND	ND	ND	ND	0	16
CSW2	0-3.5'	ND	ND	ND	ND	ND	0	32
CSW3	0-3.5'	ND	ND	ND	ND	ND	0	16
CSW4	0-3.5'	ND	ND	ND	ND	ND	0	16

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 seven (7) 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 Cardinal laboratories in Hobbs, New Mexico (Appendix C).

On August 15, 2024, Pima received lab confirmation that all samples were below NMOCD closure criteria.

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

Liner Inspection

From August 5 through August 12, 2024, Pima personnel assembled their team at the Firecracker site to carry out remediation activities within the lined containment, spanning approximately 3,200 square feet. A hand shoveling team was deployed to clear out all the contaminated material from within the lined containment area. Approximately 25 cubic yards of contaminated gravel were excavated and properly disposed of at Lea Land, an NMOCD-approved disposal facility.

On August 11, 2024, Spur personnel submitted a notification for a liner inspection, adhering to the necessary 48-hour notice period. The details of the 48-hour notification can be referenced in Appendix C.

On August 13, 2024, after sending the 48-hour notification via email, Pima Environmental conducted a liner inspection at the Firecracker. We concluded that this liner and containment maintained its integrity and was able to retain the fluids. The liner inspection form and photographic documentation can be found in Appendix D.

Closure Request

After careful review, Pima requests that this incident, NAPP2415638717, 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- Initial Site Map
5- Confirmation Site Map

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

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

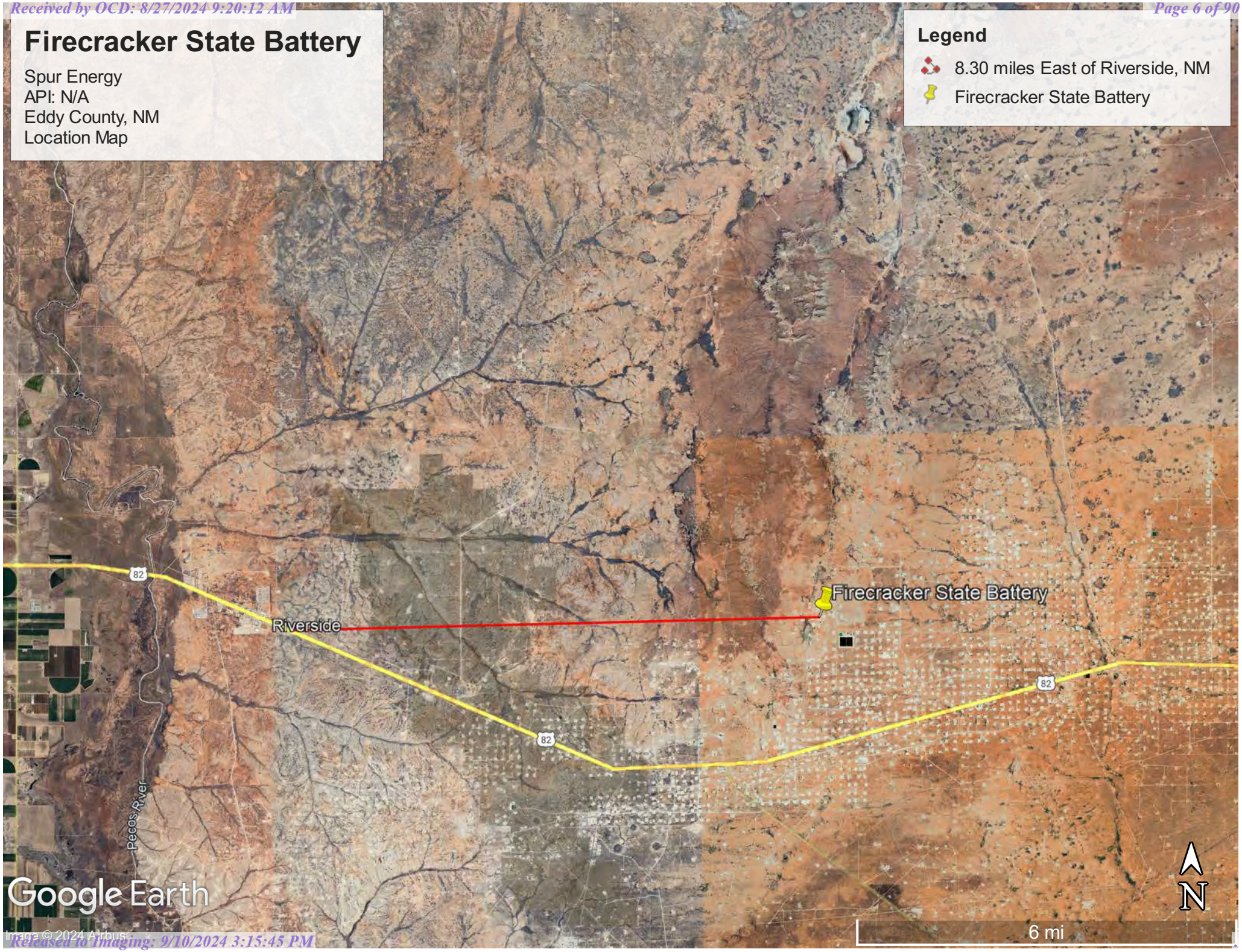
Figure 3- Karst Map

Figure 4- Initial Site Map

Figure 5 - Confirmation Site Map

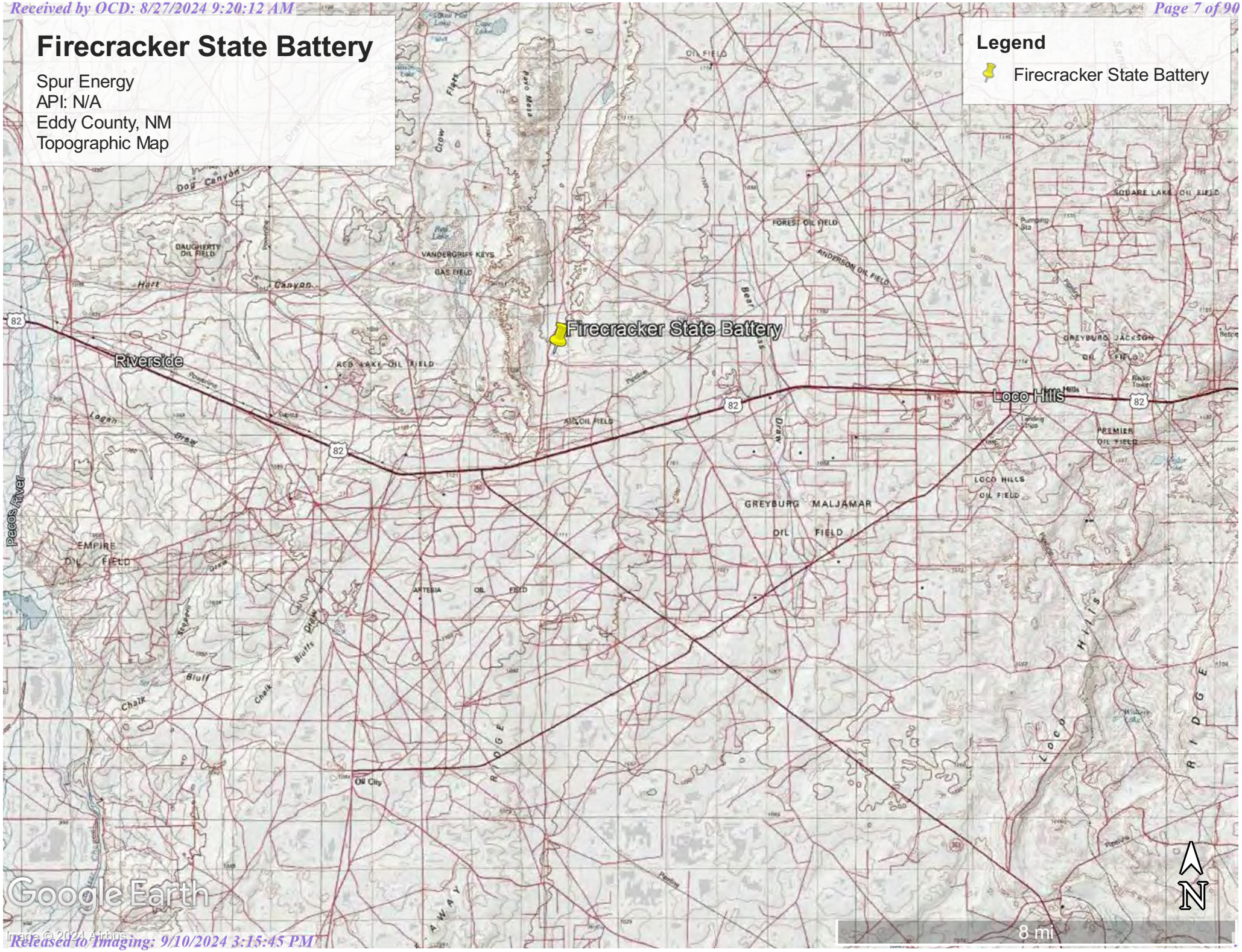
Firecracker State Battery

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



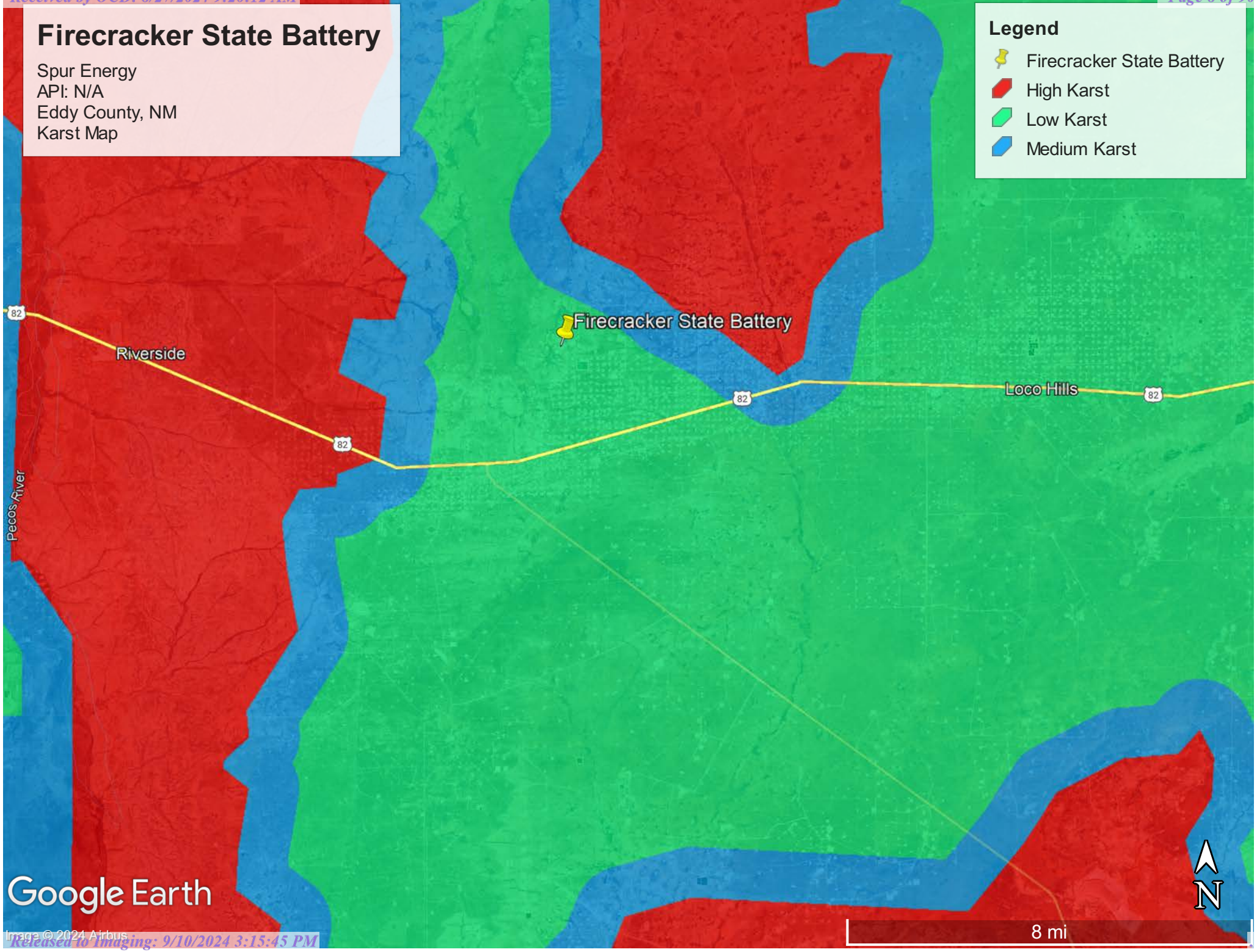
Firecracker State Battery

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



Firecracker State Battery

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

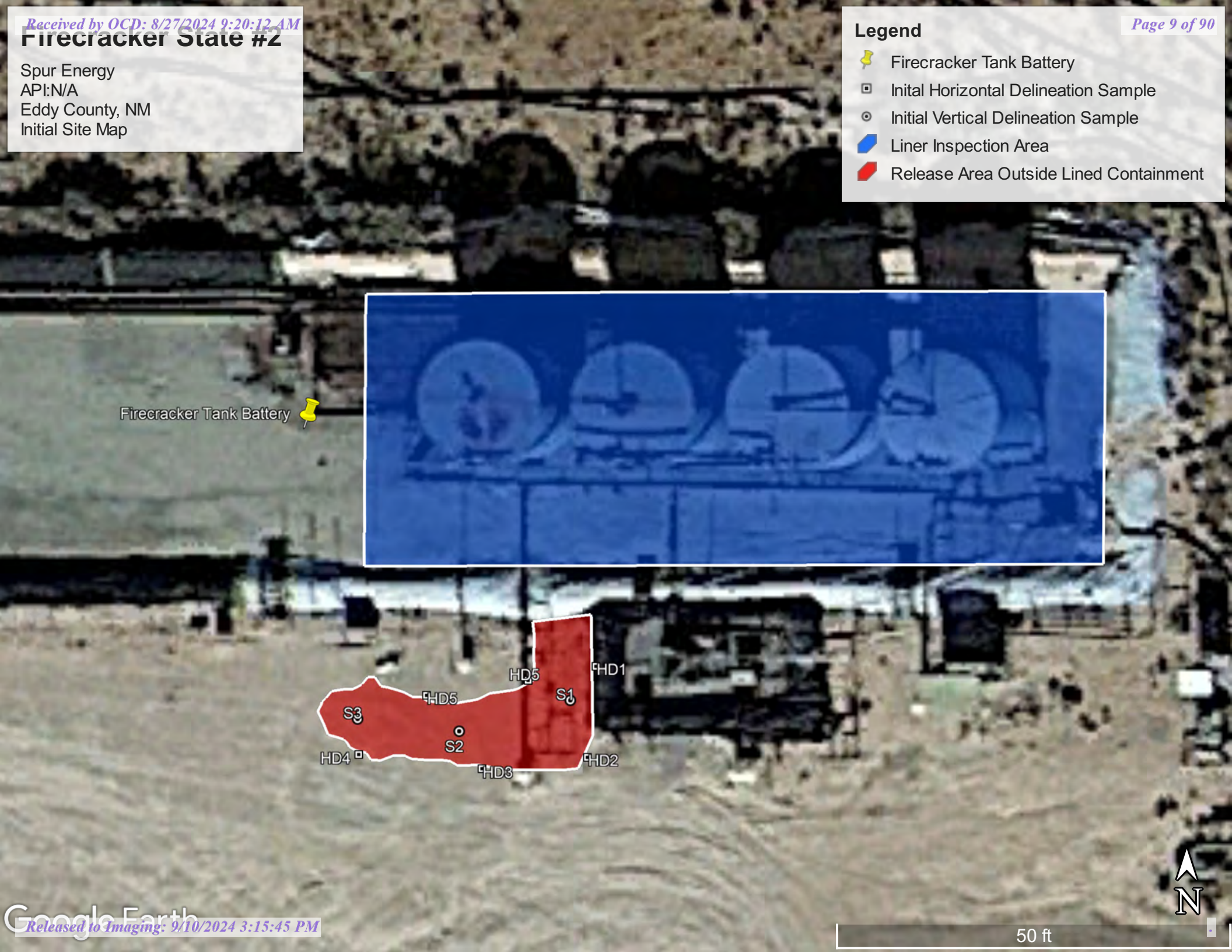


Firecracker State #2

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

Legend

- Firecracker Tank Battery
- Inital Horizontal Delineation Sample
- Initial Vertical Delineation Sample
- Liner Inspection Area
- Release Area Outside Lined Containment



Firecracker State #2

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

Legend

- Composite Bottom Sample
- Composite Side Wall Sample
- Excavated Area
- Firecracker Tank Battery
- Liner Inspection Area

Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 12307 POD1	4	2	2	14	17S	28E	580495	3633981

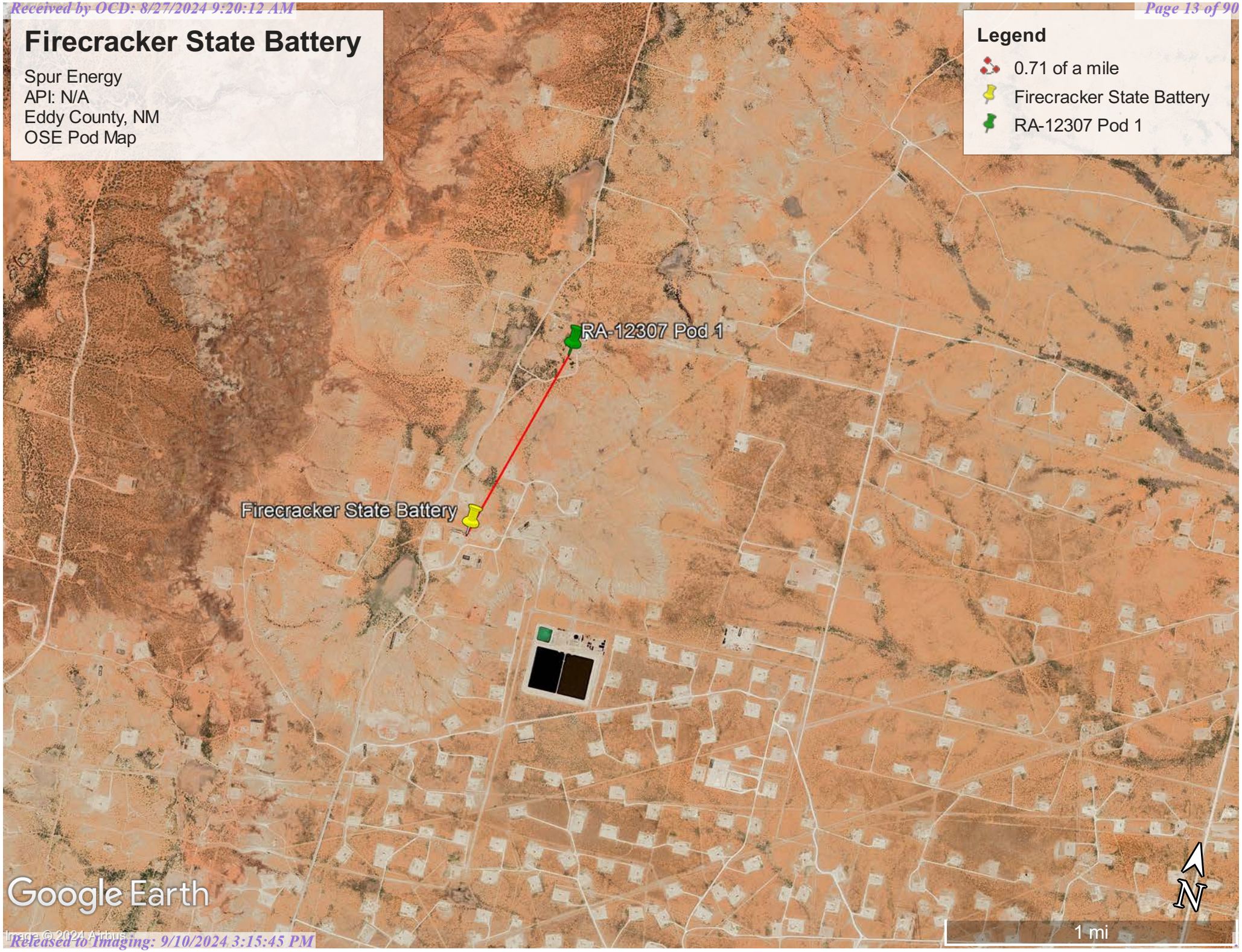
Driller License:	1058	**Driller Company:**	KEY'S DRILLING & PUMP SERVICE		
Driller Name:	CLINTON KEY				
Drill Start Date:	09/28/2015	**Drill Finish Date:**	09/30/2015	**Plug Date:**	
Log File Date:	10/07/2015	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	30 GPM
Casing Size:	4.50	**Depth Well:**	140 feet	**Depth Water:**	58 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Shale/Mudstone/Siltstone
	110	120	Sandstone/Gravel/Conglomerate
	120	140	Other/Unknown

Casing Perforations:	Top	Bottom
	120	140

Firecracker State Battery

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



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

USGS 324855104093101 17S.28E.22.34242

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

Well Site

DESCRIPTION:

Latitude 32°48'55", Longitude 104°09'31" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 95.00 feet
Land surface altitude: 3,578 feet above NGVD29.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.
Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1986-05-20	1999-01-13	4
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center
Email questions about this site to New Mexico Water Science Center Water-Data Inquiries

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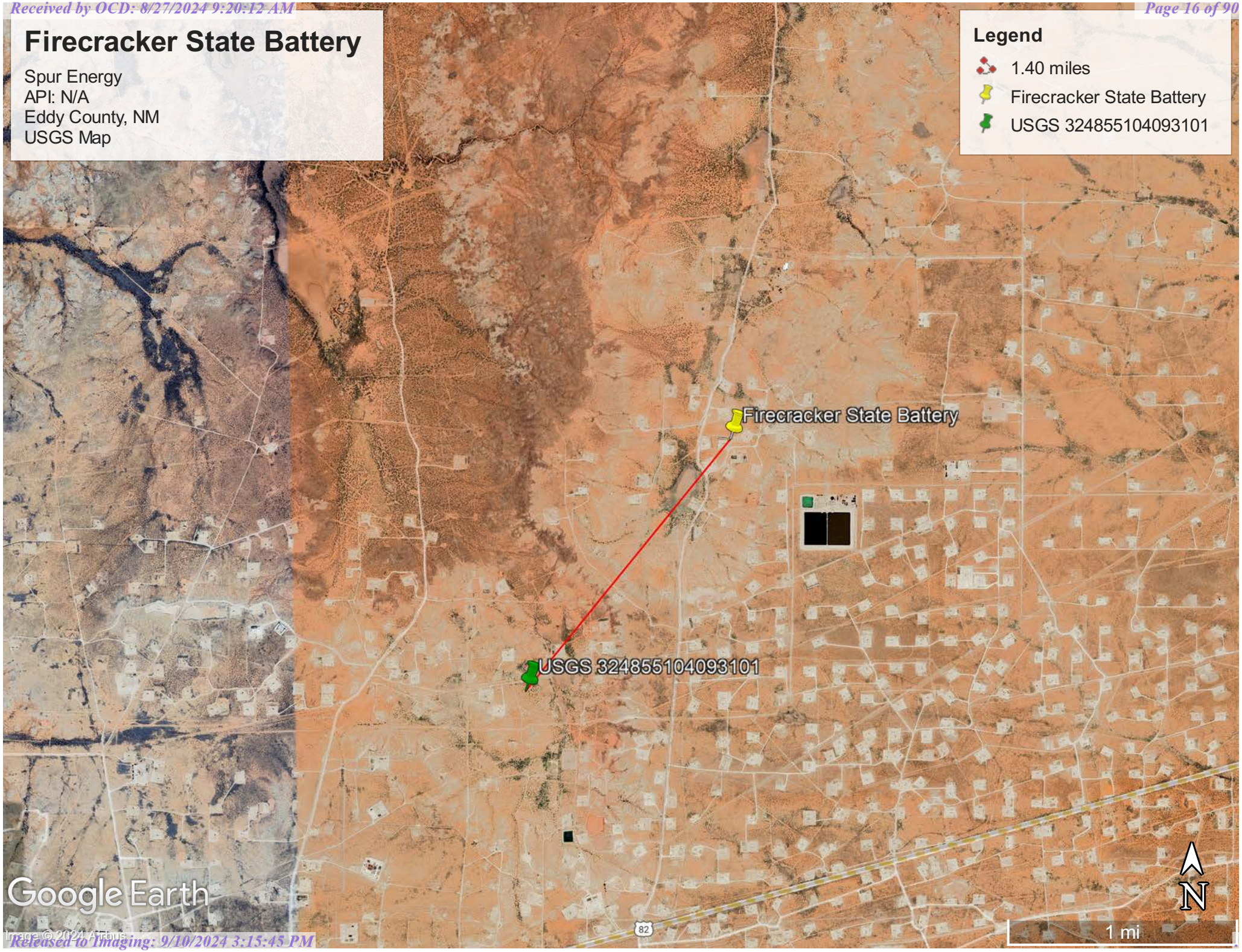
Title: NWIS Site Information for USA: Site Inventory
URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324855104093101

Firecracker State Battery

Spur Energy
API: N/A
Eddy County, NM
USGS Map

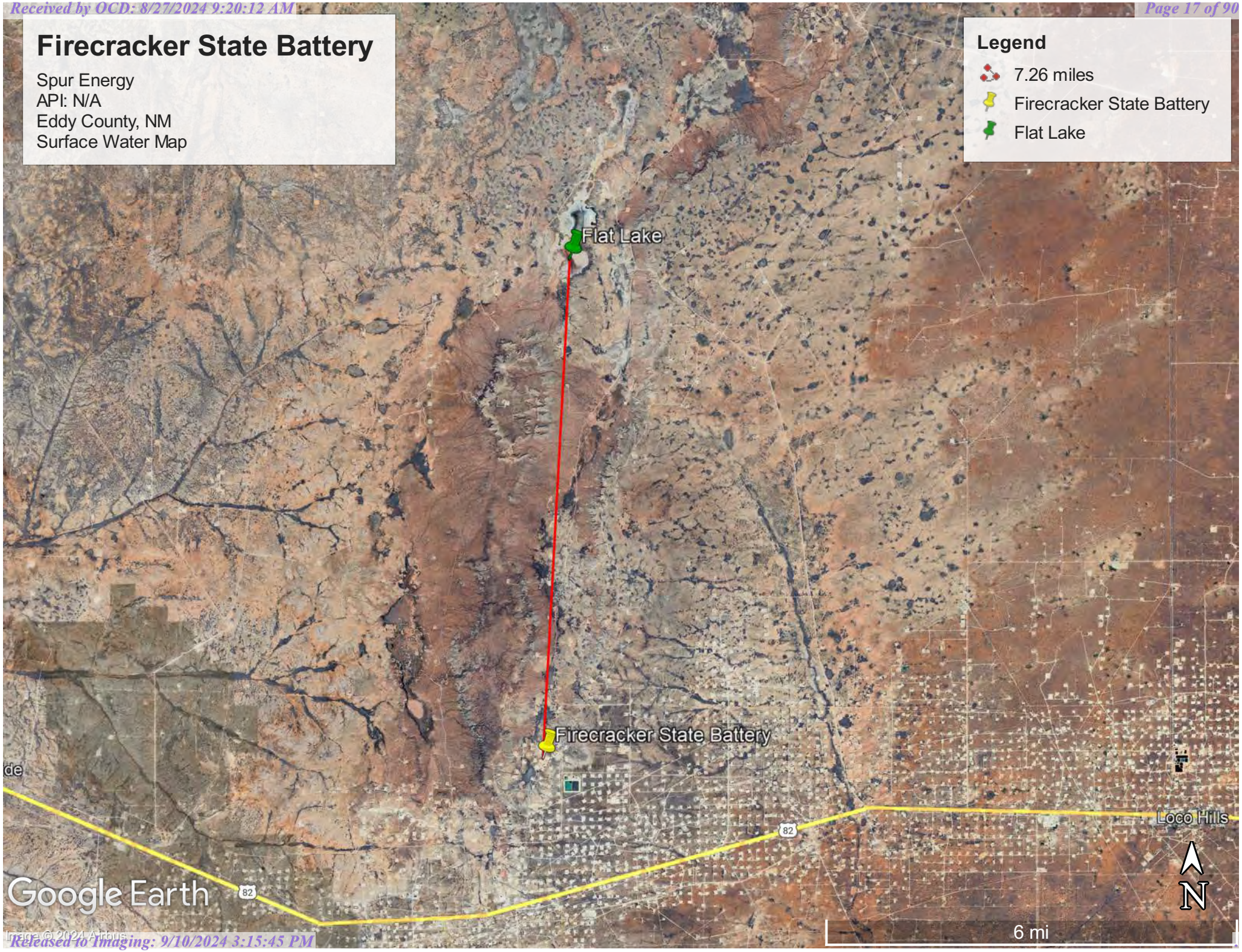


Firecracker State Battery

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

Legend

- 7.26 miles
- Firecracker State Battery
- Flat Lake



Appendix B

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

Eddy Area, New Mexico

SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5w
Elevation: 2,750 to 5,000 feet
Mean annual precipitation: 8 to 16 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 4 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Playa

Percent of map unit: 1 percent
Landform: Playas
Landform position (three-dimensional): Talf
Down-slope shape: Concave, convex
Across-slope shape: Concave, linear
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico

Map Scale: 1:879 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 40 80 160 240

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

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	2.8	100.0%
Totals for Area of Interest		**2.8**	**100.0%**

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

Mineral Resources (https://www.usgs.gov/energy-and-minerals/mineral-resources-program) / Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/) / New Mexico (/geology/state/state.php?state=NM)

Piedmont alluvial deposits

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

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

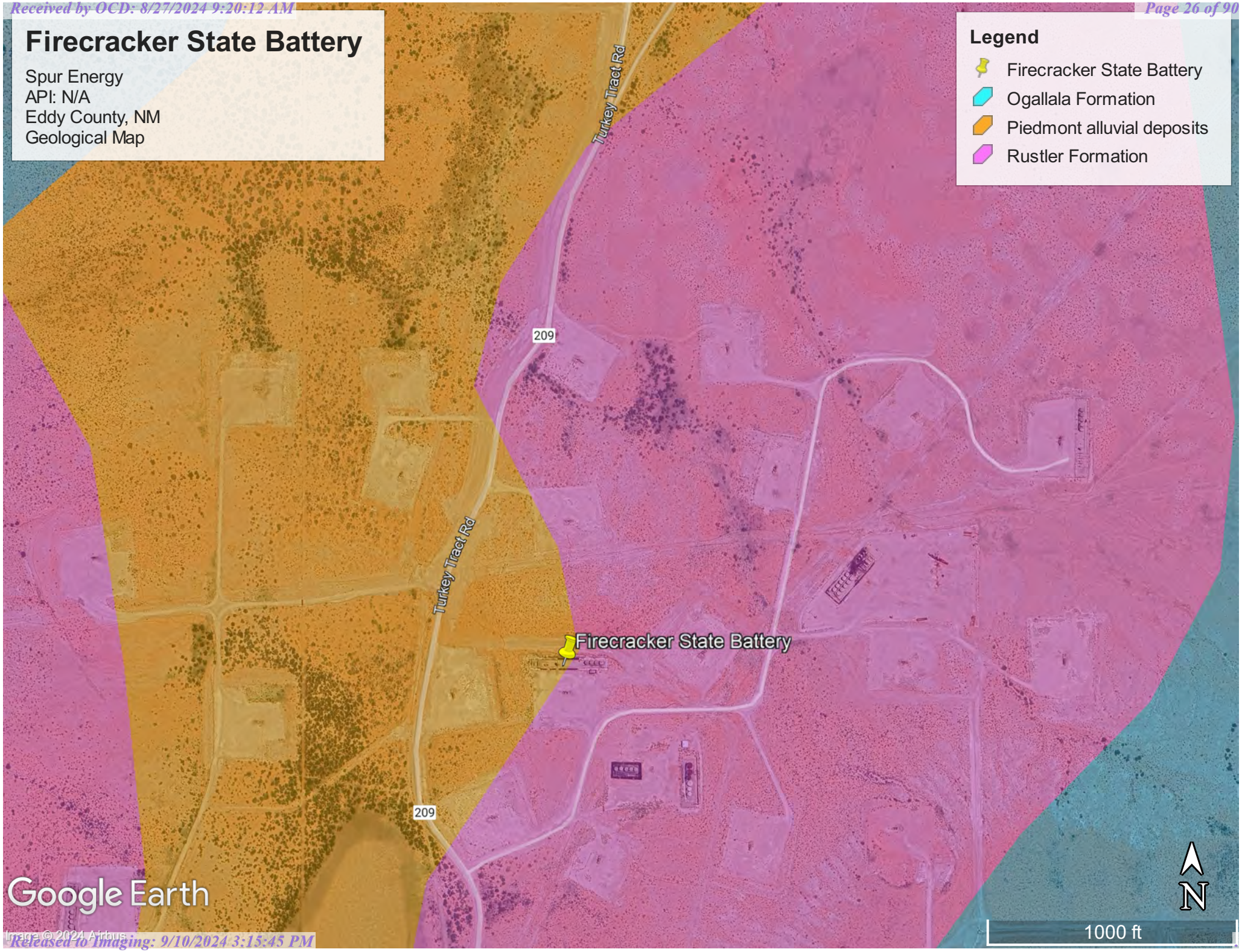
Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Piedmont alluvial deposits
Geologic age	Holocene to lower Pleistocene
Lithologic constituents	Major Unconsolidated *(Alluvial)* *Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans*
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)
NGMDB product	NGMDB product page for 59219 (https://ngmdb.usgs.gov/Prodesc/proddesc_59219.htm) NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

Counties Bernalillo (/geology/state/fips-unit.php?code=f35001) - Catron (/geology/state/fips-unit.php?code=f35003) - Chaves (/geology/state/fips-unit.php?code=f35005) - Colfax (/geology/state/fips-unit.php?code=f35007) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Dona Ana (/geology/state/fips-unit.php?code=f35013) - Eddy (/geology/state/fips-unit.php?code=f35015) - Grant (/geology/state/fips-unit.php?code=f35017) - Guadalupe (/geology/state/fips-unit.php?code=f35019) - Hidalgo (/geology/state/fips-unit.php?code=f35023) - Lea (/geology/state/fips-unit.php?code=f35025) - Lincoln (/geology/state/fips-unit.php?code=f35027) - Los Alamos (/geology/state/fips-unit.php?code=f35028) - Luna (/geology/state/fips-unit.php?code=f35029) - Mora (/geology/state/fips-unit.php?code=f35033) - Otero (/geology/state/fips-unit.php?code=f35035) - Quay (/geology/state/fips-unit.php?code=f35037) - Rio Arriba (/geology/state/fips-unit.php?code=f35039) - Roosevelt (/geology/state/fips-unit.php?code=f35041) - Sandoval (/geology/state/fips-unit.php?code=f35043) - 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) - Taos (/geology/state/fips-unit.php?code=f35055) - Torrance (/geology/state/fips-unit.php?code=f35057) - Valencia (/geology/state/fips-unit.php?code=f35061)

Firecracker State Battery

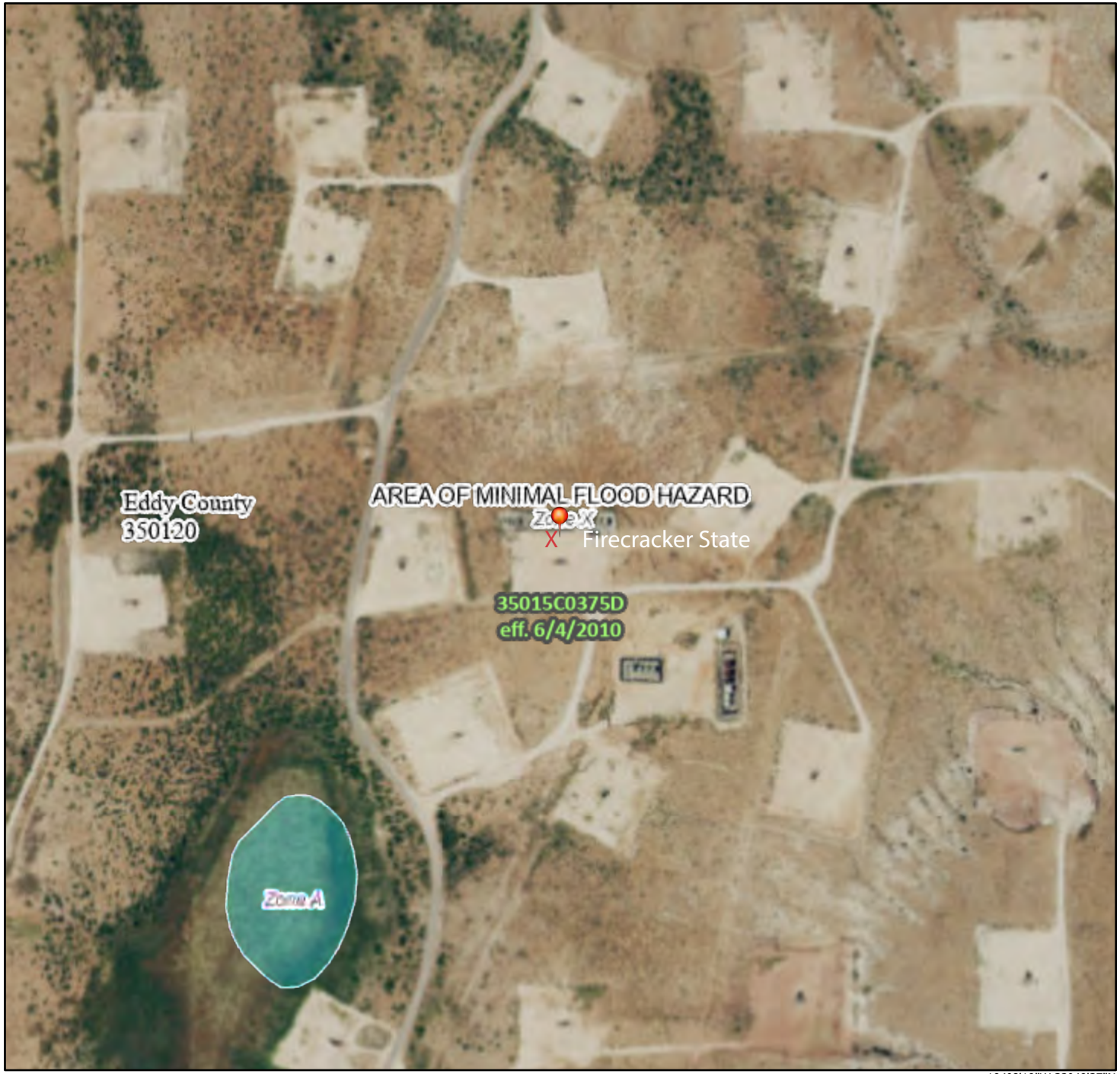
Spur Energy
API: N/A
Eddy County, NM
Geological Map



National Flood Hazard Layer FIRMette

FEMA

104°8'56"W 32°50'7"N



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

1:6,000

104°8'19"W 32°49'37"N

Basemap Imagery Source: USGS National Map 2023

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.

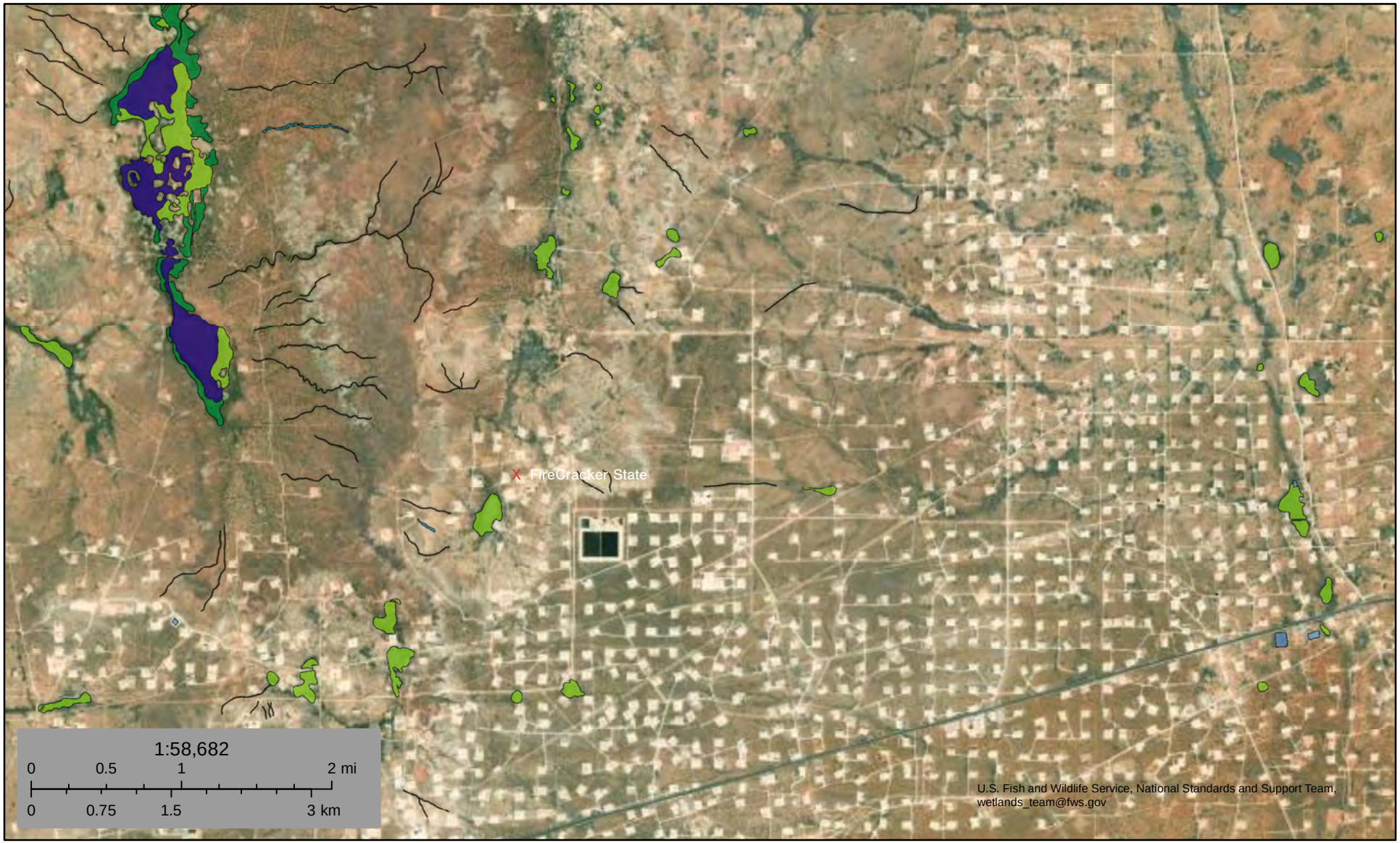
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/11/2024 at 12:24 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



June 11, 2024

Wetlands

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

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

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

Appendix C

- 48-Hour Notification
- Liner Inspection Form

Sebastian@pimaoil.com

From: OCDOnline@state.nm.us
Sent: Sunday, August 11, 2024 2:05 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 372427

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#) nAPP2415638717.

The sampling event is expected to take place:

When: 08/13/2024 @ 15:00
Where: O-14-17S-28E 0 FNL 0 FEL (32.8311001,-104.1433201)

Additional Information: Marisa Loya
575-416-0639

Additional Instructions: (32.8311001,-104.1433201)

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

Sebastian@pimaoil.com

From: OCDOnline@state.nm.us
Sent: Sunday, August 11, 2024 1:56 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 372424

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

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2415638717.

The liner inspection is expected to take place:

When: 08/13/2024 @ 16:00
Where: O-14-17S-28E 0 FNL 0 FEL (32.8311001,-104.1433201)

Additional Information: Marisa Loya
575-416-0639

Additional Instructions: 32.831132,-104.143464

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. 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 liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection 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, LLC

Liner Inspection Form

Company Name: Spur Energy

Site: Firecracker State Battery

Lat/Long: 32.8311001, -104.1433201

NMOCD Incident ID & Incident Date: NAPP2415638717 05/31/2024

2-Day Notification Sent: via Email by Sebastian Orozco on OCD portal 08/11/2024

Inspection Date: 08/13/2024

Liner Type: Earthen w/liner | Earthen no liner | Polystar | Steel w/poly liner | Steel w/spray epoxy | No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?		X	
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Marisa Loya Inspector Signature: Marisa Loya

Appendix D

- Photographic Documentation

Pima Environmental Services, LLC.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Firecracker State Battery

PHOTO LOG TYPE: Assessment

Photo showing the excavation area.

Photo showing the excavation area.

Photo showing the excavation area.

Photograph showing the lined containment area prior to the commencement of gravel removal.

Photograph showing the lined containment area prior to the commencement of gravel removal.

Photograph showing the lined containment area prior to the commencement of gravel removal.

Photograph showing the lined containment area prior to the commencement of gravel removal.

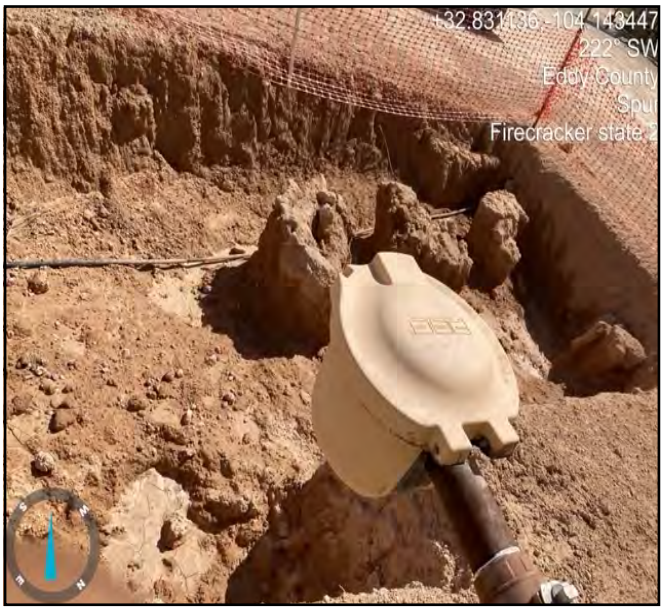
Photograph of hand auger going into the ground to collect samples.

Excavation

Showing the excavation process outside the containment facing Northeast.

Showing the excavation process outside the containment facing North.

Showing the excavation process outside the containment facing West.



Showing the excavation process outside the containment facing Southwest.

Liner Inspection

Photo post gravel removal revealing the liner underneath the contaminated gravel facing East

Photo post gravel removal revealing the liner underneath the contaminated gravel facing West

Photo post gravel removal revealing the liner underneath the contaminated gravel facing South

Photo post gravel removal revealing the liner underneath the contaminated gravel facing East.

Photo post gravel removal revealing the liner underneath the contaminated gravel facing West

Photo post gravel removal revealing the liner underneath the contaminated gravel facing Northwest

Photo post gravel removal revealing the liner underneath the contaminated gravel facing North

Photo post gravel removal revealing the liner underneath the contaminated gravel facing Northeast

Photo post gravel removal revealing the liner underneath the contaminated gravel facing North

Photo post gravel removal revealing the liner underneath the contaminated gravel facing Southeast

Post Backfill

Photograph depicting the containment area subsequent to being backfilled with clean material facing Northeast

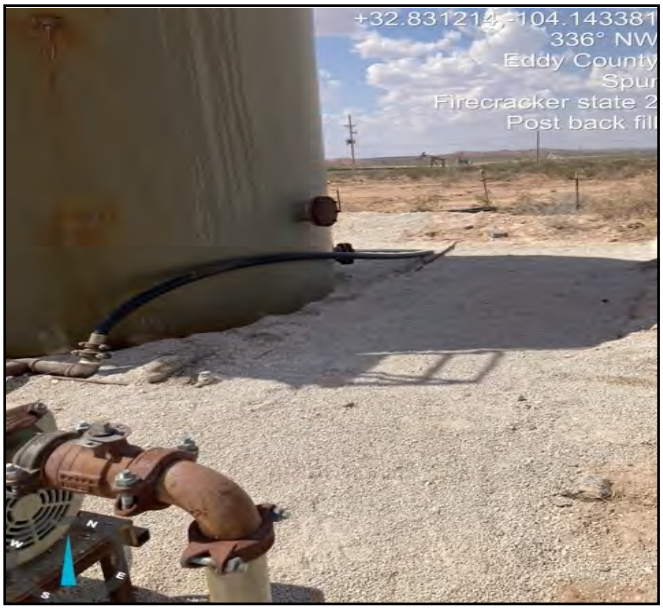
Photograph depicting the containment area subsequent to being backfilled with clean material facing North.

Photograph depicting the containment area subsequent to being backfilled with clean material facing Southeast

Photograph depicting the containment area subsequent to being backfilled with clean material facing East

Photograph depicting the containment area subsequent to being backfilled with clean material facing West.

Photograph depicting the containment area subsequent to being backfilled with clean material facing South.



Photograph depicting the containment area subsequent to being backfilled with clean material facing Northwest.

Photograph depicting the containment area subsequent to being backfilled with clean material facing West.

Photograph depicting the containment area subsequent to being backfilled with clean material facing North.

Photograph depicting the containment area subsequent to being backfilled with clean material facing North.

Photograph depicting excavated area subsequent to being backfilled with clean material.

Photograph depicting excavated area subsequent to being backfilled with clean material.

Photograph depicting excavated area subsequent to being backfilled with clean material.

Photograph depicting excavated area subsequent to being backfilled with clean material.

Appendix E

- Laboratory Report

Report to:

Gio Gomez

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:	Fire Cracker State Battery
Work Order:	E406208
Job Number:	21068-0001
Received:	6/21/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/24

Date Reported: 6/27/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Fire Cracker State Battery
Workorder: E406208
Date Received: 6/21/2024 9:40:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/21/2024 9:40:00AM, under the Project Name: Fire Cracker State Battery.

The analytical test results summarized in this report with the Project Name: Fire Cracker State 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/27/24 13:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-Surface	E406208-01A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S1-2'	E406208-02A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S1-4'	E406208-03A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S2-Surface	E406208-04A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S2-2'	E406208-05A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S2-4'	E406208-06A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S3-Surface	E406208-07A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S3-2'	E406208-08A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
S3-4'	E406208-09A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
HD1	E406208-10A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
HD2	E406208-11A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
HD3	E406208-12A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
HD4	E406208-13A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
HD5	E406208-14A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.
HD6	E406208-15A	Soil	06/19/24	06/21/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S1-Surface

E406208-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/24/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/24/24	
Toluene	ND	0.0250	1	06/21/24	06/24/24	
o-Xylene	ND	0.0250	1	06/21/24	06/24/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/24/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*06/21/24*	*06/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*06/21/24*	*06/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*97.7 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**1040**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S1-2'

E406208-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/24/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/24/24	
Toluene	ND	0.0250	1	06/21/24	06/24/24	
o-Xylene	ND	0.0250	1	06/21/24	06/24/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/24/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/21/24*	*06/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/21/24*	*06/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**1750**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S1-4'

E406208-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**22.4**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S2-Surface

E406208-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**1400**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S2-2'

E406208-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**607**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S2-4'

E406208-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/24/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/24/24	
Toluene	ND	0.0250	1	06/21/24	06/24/24	
o-Xylene	ND	0.0250	1	06/21/24	06/24/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/24/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*06/21/24*	*06/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/21/24*	*06/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	ND	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S3-Surface

E406208-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**2670**	40.0	2	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S3-2'

E406208-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/25/24	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*06/24/24*	*06/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**1400**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

S3-4'

E406208-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**20.5**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

HD1

E406208-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**23.0**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

HD2

E406208-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**29.3**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

HD3

E406208-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	ND	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

HD4

E406208-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**20.8**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

HD5

E406208-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	**25.5**	20.0	1	06/24/24	06/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

HD6

E406208-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Benzene	ND	0.0250	1	06/21/24	06/25/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/25/24	
Toluene	ND	0.0250	1	06/21/24	06/25/24	
o-Xylene	ND	0.0250	1	06/21/24	06/25/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/25/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2425107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*06/21/24*	*06/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426002
Diesel Range Organics (C10-C28)	ND	25.0	1	06/24/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/24/24	06/26/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/24/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426008
Chloride	ND	20.0	1	06/24/24	06/24/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

Volatile Organics by EPA 8021B

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 (2425107-BLK1)									Prepared: 06/21/24 Analyzed: 06/24/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
LCS (2425107-BS1)									Prepared: 06/21/24 Analyzed: 06/24/24
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.2*	*70-130*			
Matrix Spike (2425107-MS1)				**Source: E406208-06**					Prepared: 06/21/24 Analyzed: 06/24/24
Benzene	4.97	0.0250	5.00	ND	99.3	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.88	0.0250	5.00	ND	97.5	61-130			
o-Xylene	4.76	0.0250	5.00	ND	95.2	63-131			
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike Dup (2425107-MSD1)				**Source: E406208-06**					Prepared: 06/21/24 Analyzed: 06/24/24
Benzene	5.26	0.0250	5.00	ND	105	54-133	5.65	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	5.90	20	
Toluene	5.18	0.0250	5.00	ND	104	61-130	6.04	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	5.74	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	5.79	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	5.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.22*		*8.00*		*90.3*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2425107-BLK1)									Prepared: 06/21/24 Analyzed: 06/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.6*	*70-130*			
LCS (2425107-BS2)									Prepared: 06/21/24 Analyzed: 06/24/24
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2425107-MS2)				**Source: E406208-06**					Prepared: 06/21/24 Analyzed: 06/24/24
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2425107-MSD2)				**Source: E406208-06**					Prepared: 06/21/24 Analyzed: 06/24/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.5	70-130	4.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426002-BLK1)									Prepared: 06/24/24 Analyzed: 06/25/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			
LCS (2426002-BS1)									Prepared: 06/24/24 Analyzed: 06/25/24
Diesel Range Organics (C10-C28)	309	25.0	250		123	38-132			
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			
Matrix Spike (2426002-MS1)				**Source: E406208-10**					Prepared: 06/24/24 Analyzed: 06/26/24
Diesel Range Organics (C10-C28)	345	25.0	250	ND	138	38-132			M1
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2426002-MSD1)				**Source: E406208-10**					Prepared: 06/24/24 Analyzed: 06/25/24
Diesel Range Organics (C10-C28)	314	25.0	250	ND	125	38-132	9.56	20	
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fire Cracker State Battery	**Reported:**
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/27/2024 1:30:29PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426008-BLK1)									Prepared: 06/24/24 Analyzed: 06/24/24
Chloride	ND	20.0							
LCS (2426008-BS1)									Prepared: 06/24/24 Analyzed: 06/24/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2426008-MS1)				**Source: E406208-04**					Prepared: 06/24/24 Analyzed: 06/24/24
Chloride	1650	20.0	250	1400	99.6	80-120			
Matrix Spike Dup (2426008-MSD1)				**Source: E406208-04**					Prepared: 06/24/24 Analyzed: 06/24/24
Chloride	1740	20.0	250	1400	134	80-120	5.10	20	M4

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:	Fire Cracker State Battery	
PO Box 247	Project Number:	21068-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/27/24 13:30

M1	Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated 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
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 2

Client: Pima Environmental Services	Bill To
Project: Firecracker State Battery	Attention: Spur
Project Manager: Gio Gomez	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 806-782-1151	Email:
Email: gio@pimaoil.com	Pima Project # 6-328
Report due by:	

Lab Use Only: Lab WO# E406208 | Job Number 21018-0001

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

EPA Program: CWA | SDWA | 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
8:07	6/19	S	1	S1-Surface	1							X		
8:11	"	"	"	S1-2'	2							"		
8:20	"	"	"	S1-4'	3							"		
8:25	"	"	"	S2-Surface	4							"		
8:33	"	"	"	S2-2'	5							"		
8:39	"	"	"	S2-4'	6							"		
8:41	"	"	"	S3-Surface	7							"		
8:49	"	"	"	S3-2'	8							"		
8:56	"	"	"	S3-4'	9							"		
8:59	"	"	1	HDI	10							"		

Additional Instructions: B#999201

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
Karina Atarne	6.19.24	1309		6.19.24	1309
	6.20.24	1430		6.20.24	1830
	6.20.24	2400	Raina Schwanz	6/21/24	9:40

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 2

Client: Pima Environmental Services	Bill To
Project: Firecracker State Battery	Attention: Spur
Project Manager: Gio Gomez	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 806-782-1151	Email:
Email: gio@pimaoil.com	Pima Project # 6-328
Report due by:	

Lab Use Only: Lab WO# E406208 | Job Number 21008-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | 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
9:11	6/19	S	1	HD2	11							X		
9:20	"	"	"	HD3	12							"		
9:25	"	"	"	HD4	13							"		
9:31	"	"	"	HD5	14							"		
9:34	"	"	"	HD6	15							"		

Analysis and Method

Additional Instructions: B# 999201

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	6.19.24	1309		6.19.24	1309
	6.20.24	1630		6.20.24	1830
	6.20.24	2400	Raina Schwanz	6/21/24	9:40

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: 6/21/2024 12:42:08PM

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:	06/21/24 09:40	Work Order ID:	E406208
Phone:	(575) 631-6977	Date Logged In:	06/21/24 12:35	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	06/27/24 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?	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?	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

Client Instruction

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

Date

envirotech Inc.

CARDINAL Laboratories

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

August 15, 2024

GIO GOMEZ

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: FIRECRACKER STATE TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/14/24 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CS 1 (H244928-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *130 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CS 2 (H244928-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *140 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CS 3 (H244928-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *141 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CSW 1 (H244928-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CSW 2 (H244928-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *144 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CSW 3 (H244928-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *144 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PIMA ENVIROMENTAL
GIO GOMEZ
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/14/2024	Sampling Date:	08/13/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	FIRECRACKER STATE TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	6-328	Sample Received By:	Alyssa Parras
Project Location:	SPUR		

Sample ID: CSW 4 (H244928-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/15/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *145 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Pima Environmental Services
Project Manager:	Gio Gomez
Address:	5614 N. Lovington Hwy
City:	Hobbs
State:	NM
Zip:	88240
Phone #:	575-964-7740
Fax #:	
Project #:	6-328
Project Owner:	Spur
Project Name:	Firecracker State Tank Battery
Project Location:	
Sampler Name:	

BILL TO

P.O. #:	
Company:	Spur
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH	Chlorides	BTEX
#h244928																	
1	CS1	C				X					X		8/13	3:16	X	X	X
2	CS2													3:24			
3	CS3													3:33			
4	CSW1													3:39			
5	CSW2													3:46			
6	CSW3													3:51			
7	CSW4													4:00			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8.14.24	Received By:	
Karine Adame	Time: 1538	apaine	
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One) -11.0 #140
Sampler - UPS - Bus - Other: -10.4 i CF-0.6 i

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) PT

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
LA [redacted]
Billing Number: S24033 [redacted] K.A
RUSH 24hrs
lab@pimaoil.com

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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

QUESTIONS

Action 378181

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 378181
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2415638717**
Incident Name	**NAPP2415638717 FIRECRACKER STATE BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FIRECRACKER STATE BATTERY
Date Release Discovered	05/31/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Pump | Produced Water | Released: 24 BBL | Recovered: 22 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)	CLAMP ON TRANSFER PUMP BROKE RELEASING PW INTO CONTAINMENT AND ONTO THE PAD

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 378181
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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: 06/06/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 378181
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (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)	2670
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	08/05/2024
On what date will (or did) the final sampling or liner inspection occur	08/13/2024
On what date will (or was) the remediation complete(d)	08/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	500
What is the estimated volume (in cubic yards) that will be reclaimed	55
What is the estimated surface area (in square feet) that will be remediated	3700
What is the estimated volume (in cubic yards) that will be remediated	80
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: 378181
	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: 08/27/2024
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: 378181
	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: 378181
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**372427**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/13/2024**
What was the (estimated) number of samples that were to be gathered	**7**
What was the sampling surface area in square feet	**500**

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	3700
What was the total volume (cubic yards) remediated	80
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	500
What was the total volume (in cubic yards) reclaimed	55
Summarize any additional remediation activities not included by answers (above)	N/A

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: 08/27/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 378181
	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

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 378181
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	9/10/2024