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

July 21, 2024

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

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

RE: Liner Inspection and Closure Report
JC Federal 13 Tank Battery
API No. 30-025-38697
GPS: Latitude 32.82449 Longitude -103.75303
UL- B, Section 22, Township 17S, Range 32E
Lea County, NM
NMOCD Reference No. NAPP2416351391

Spur Energy Partners (Spur) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection and prepare this closure report for the release of crude oil and produced water that happened at the JC Federal 13 Tank Battery (JC). On June 18, 2024, the initial C-141 was formally submitted. The corresponding release received the designation Incident ID NAPP2416351391 from the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The JC is located approximately 25 miles southwest of Lovington, NM. This spill site is in Unit B, Section 22, Township 17S, Range 32E, Latitude 32.82449 Longitude -103.75303, Lea County, NM. A Location Map can be found in Figure 1.

Based on data from the New Mexico Office of the State Engineer, the nearest groundwater in this area (RA 13403 POD1) has an unknown depth and is located about 0.30 miles from the JC, with drilling completed on January 22, 2024. In contrast, the United States Geological Survey reports the nearest water well (USGS 324913103403501) in this region at a depth of 177.09 feet below ground surface (BGS), approximately 4.28 miles from the JC, with the last measurement taken on February 26, 2024. For detailed water survey references and precise well locations, see Appendix A, which includes relevant maps. Notably, the JC is situated in an area with a low potential for karst, as shown in Figure 3. A comprehensive Topographic Map can be found in Figure 2.

Release Information

NAPP2416351391: On June 10, 2024, corrosion of a circulating line caused a release of oil and produced water into the lined containment. Approximately 5 barrels of crude oil and 65 barrels of produced water were released. A vacuum truck was used to recover 5 barrels of crude oil and 65 barrels of produced water.

A Site Map can be found in Figure 4.

Site Assessment and Liner Inspection

From July 1 through July 15, Pima Environmental deployed a remediation crew to remove all impacted material from inside the lined containment. Approximately 20 cubic yards of contaminated material was removed and transported to Lea Land, an NMOCD-approved landfill, for proper disposal.

On July 14, 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 July 17, 2024, following the removal of the impacted gravel inside the lined containment, Pima Environmental conducted a liner inspection at the JC, covering approximately 4,690 square feet. The inspection concluded that the liner and containment maintained their integrity and successfully retained the fluids. The liner inspection form and photographic documentation are available in Appendix C and D.

Closure Request

After careful review, Pima requests that this incident NAPP2416351391 be closed. Spur has complied with the applicable closure requirements.

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
Project Manager
Pima Environmental Services, LLC

Attachments

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

Appendices:
Appendix A- Referenced Water Surveys
Appendix B- Soil Survey, Geological Data, FEMA Flood Map, Wetlands Map
Appendix C- Liner Inspection Form & 48 Hour Notification
Appendix D- Photographic Documentation

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map

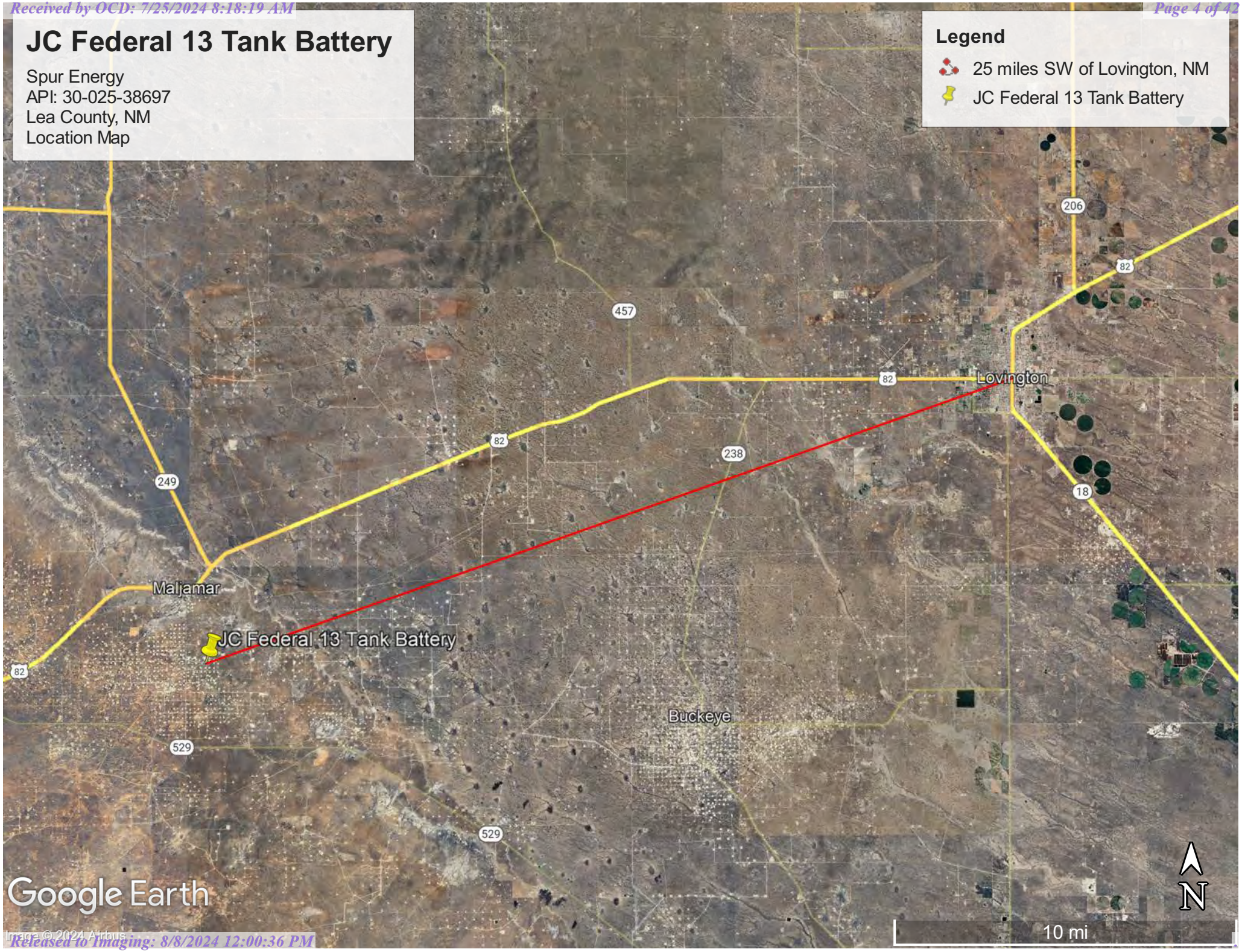
Figure 4- Site Map

JC Federal 13 Tank Battery

Spur Energy
API: 30-025-38697
Lea County, NM
Location Map

Legend

- 25 miles SW of Lovington, NM
- JC Federal 13 Tank Battery

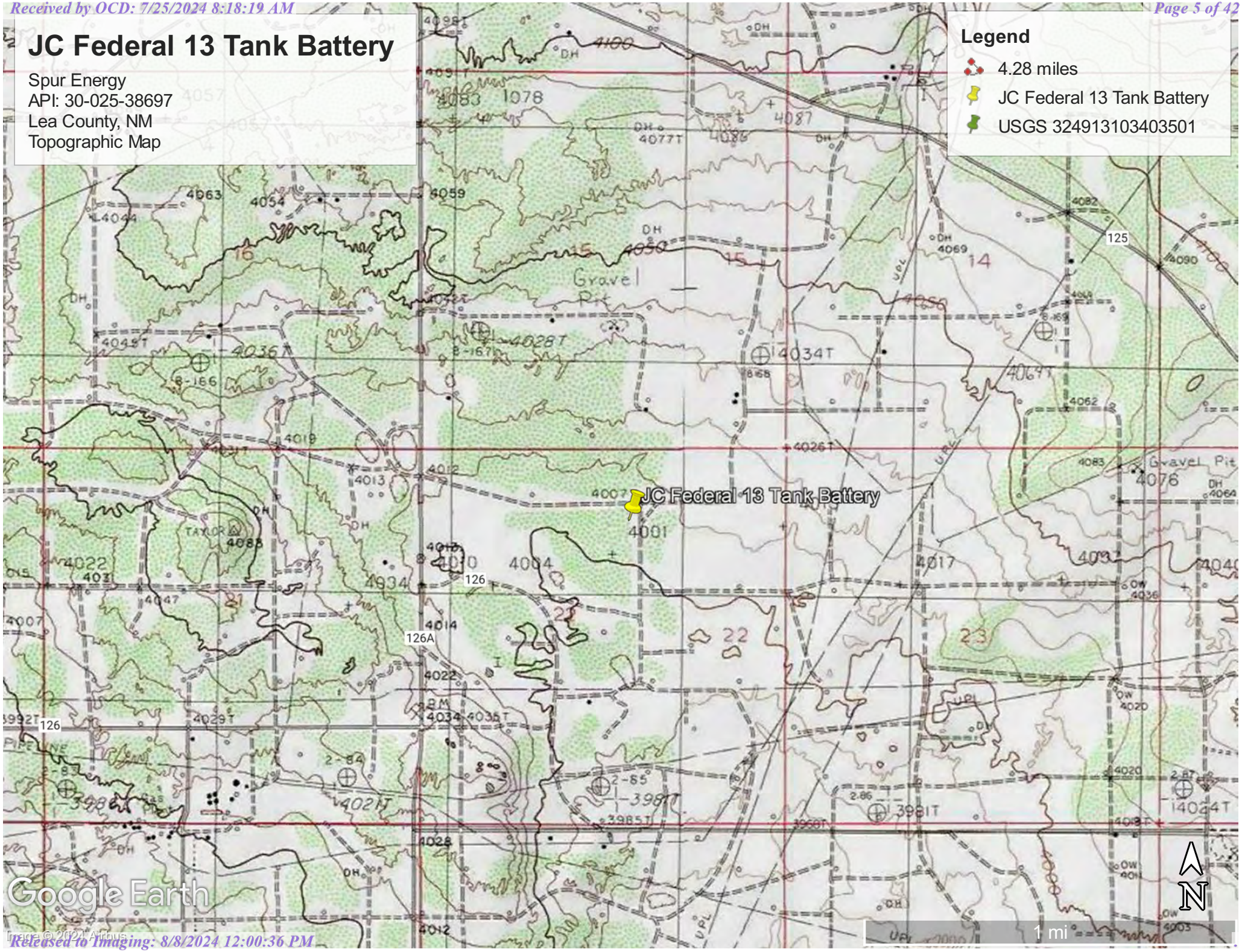


JC Federal 13 Tank Battery

Spur Energy
API: 30-025-38697
Lea County, NM
Topographic Map

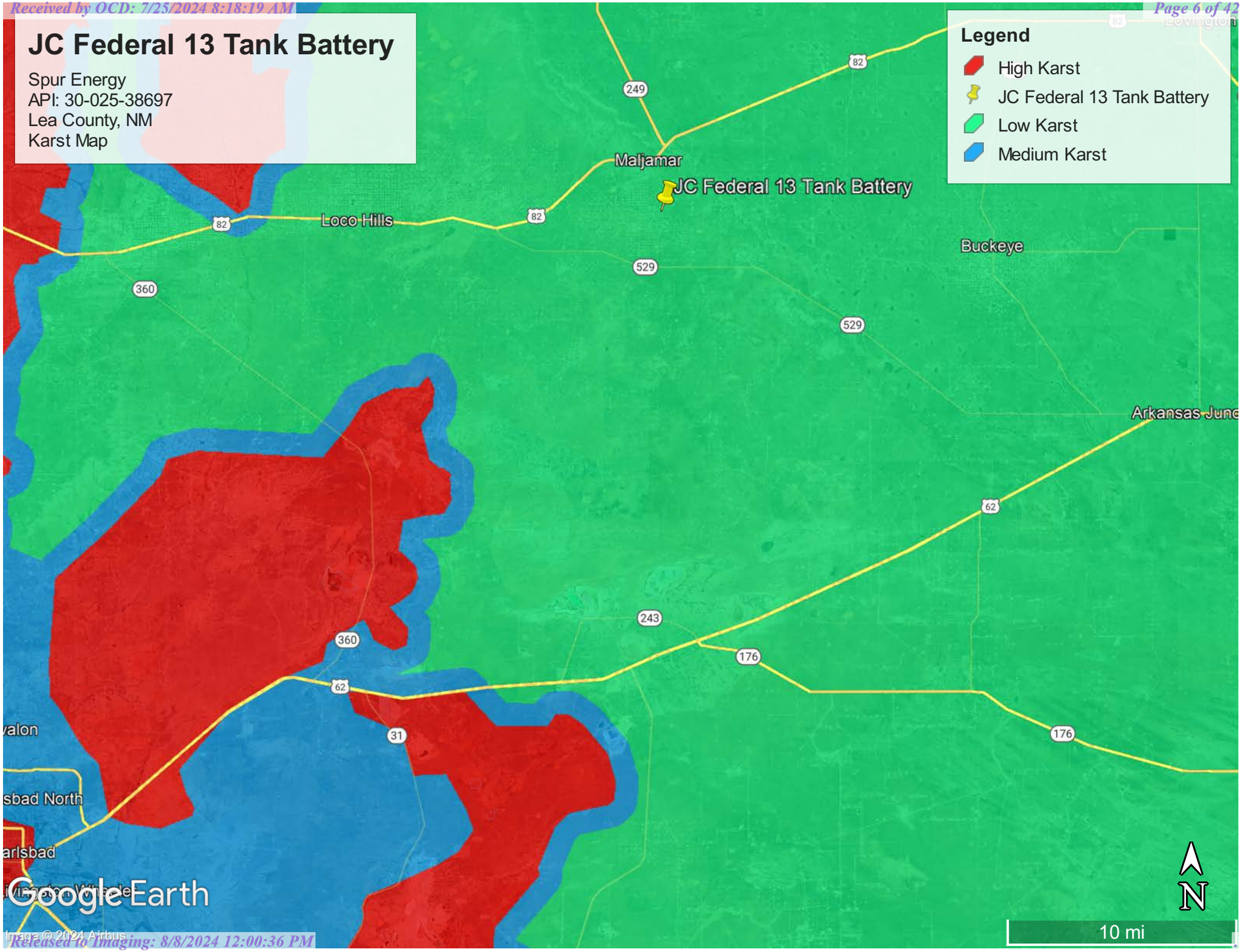
Legend

- 4.28 miles
- JC Federal 13 Tank Battery
- USGS 324913103403501



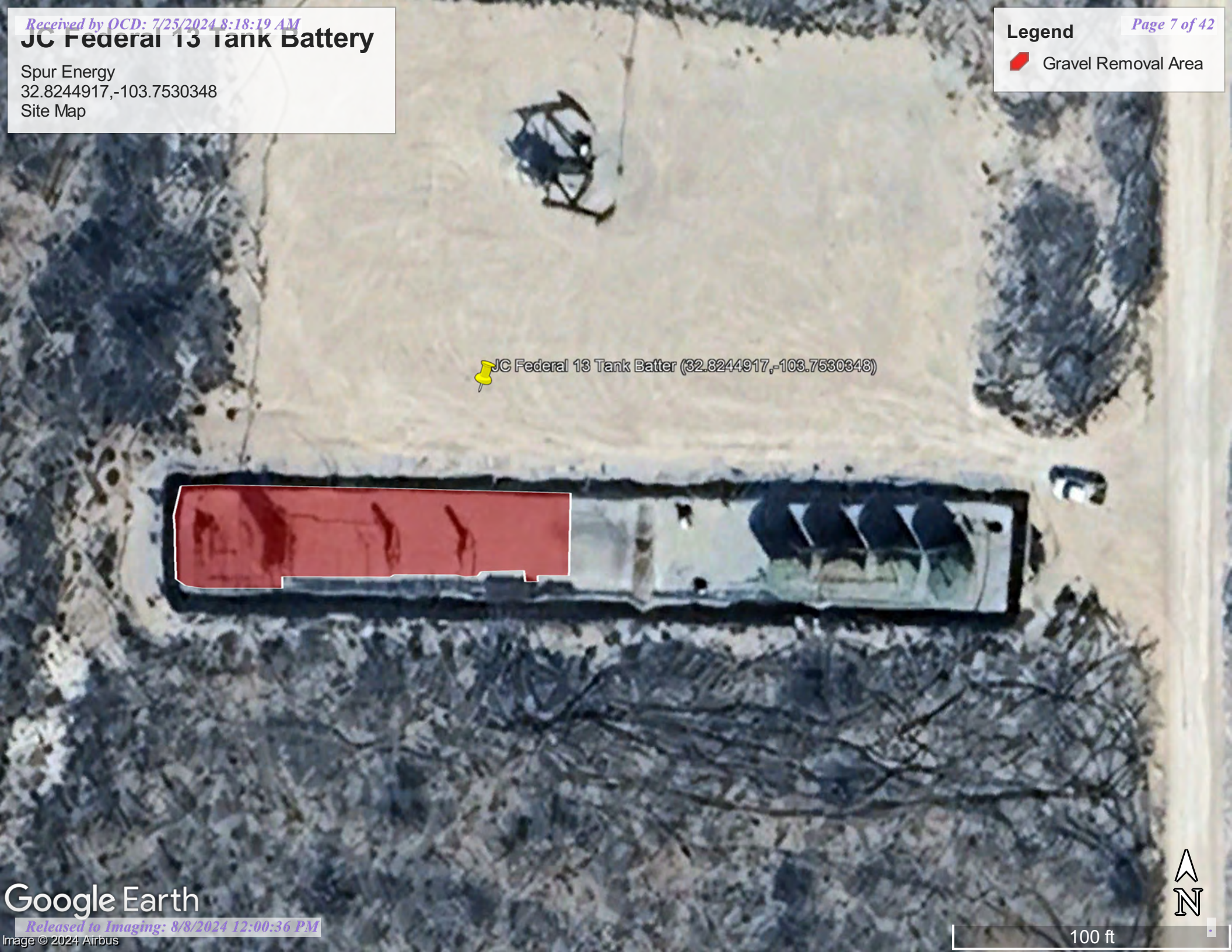
JC Federal 13 Tank Battery

Spur Energy
API: 30-025-38697
Lea County, NM
Karst Map



JC Federal 13 Tank Battery

Spur Energy
32.8244917,-103.7530348
Site Map



Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 13403 POD1		RA	LE	3	3	4	15	17S	32E	616724	3633007	488			
RA 12521 POD1		RA	LE	3	3	4	21	17S	32E	615127	3631271	2024	105	92	13
RA 12020 POD3		RA	LE	2	1	2	28	17S	32E	615152	3631019	2170	112	83	29
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	2249	100		
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	2262	100		
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	2266	400		
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	2270	100		
RA 10175		RA	LE		2	1	28	17S	32E	614814	3631005*	2434	158		
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	2455	120	81	39
RA 11911 POD1		RA	LE	1	3	1	24	17S	32E	619192	3632296	2479	35		
RA 12721 POD2		RA	LE	1	1	4	28	17S	32E	615055	3630407	2689	124	75	49
RA 12721 POD5		RA	LE	2	4	4	28	17S	32E	615650	3629961	2771	130	124	6
RA 12721 POD3		RA	LE	2	3	4	28	17S	32E	615417	3629979	2853	115		
RA 11684 POD1		RA	LE	1	1	4	11	17S	32E	618216	3635124	3004	275		
RA 11684 POD5		RA	LE	3	1	4	11	17S	32E	618353	3635047	3009	275		
L 13047 POD1		L	LE				11	17S	32E	618187	3635254*	3103	140		
RA 12721 POD1		RA	LE	3	2	3	28	17S	32E	614645	3630141	3155	125		
RA 11684 POD2		RA	LE	1	1	4	11	17S	32E	618313	3635248	3159	275		
RA 11684 POD3		RA	LE	3	3	1	11	17S	32E	618262	3635371	3242	275		
RA 08855		RA	LE	4	1	1	10	17S	32E	616061	3635742*	3290	158		
RA 12721 POD6		RA	LE	1	2	2	33	17S	32E	615530	3629431	3308	130		
RA 12721 POD4		RA	LE	1	1	2	33	17S	32E	615055	3629589	3369	140		
RA 11684 POD4		RA	LE	1	3	2	11	17S	32E	618334	3635521	3408	275		
RA 11734 POD1		RA	LE	2	2	1	10	17S	32E	616556	3635929	3415	165		
RA 12436 POD1		RA	LE	2	2	1	10	17S	32E	616556	3635929	3415	160	125	35
RA 09505		RA	LE	2	2	1	10	17S	32E	616462	3635944	3436	147		
L 13050 POD1		L	LE	2	2	1	10	17S	32E	616463	3635945*	3436	156	132	24
RA 09505 S		RA	LE	2	2	1	10	17S	32E	616463	3635945*	3436	144		
RA 12721 POD8		RA	LE	1	2	1	33	17S	32E	614640	3629463	3696	130	108	22
RA 12721 POD7		RA	LE	1	3	2	33	17S	32E	615064	3629198	3710	130		
L 04020		L	LE	3	3	4	02	17S	32E	618268	3636166*	3962	200		
L 04019		L	LE	4	3	4	02	17S	32E	618468	3636166*	4044	182		

L 04021	R	L	LE	3	4	4	02	17S	32E	618670	3636170*	4139	190		
L 03980 S		L	LE	4	4	4	02	17S	32E	618870	3636170*	4236	255	179	76
L 04021 POD3		L	LE	1	1	4	03	17S	32E	616657	3636766	4248	247		
RA 11957 POD1		RA	LE	3	4	1	19	17S	33E	621177	3632200	4466	55		
L 04021 S		L	LE	4	3	2	03	17S	32E	616891	3637021	4506	260		
RA 11937 POD1		RA	LE	1	4	1	19	17S	33E	621244	3632281	4528	95		
RA 11936 POD1		RA	LE	1	4	1	19	17S	33E	621246	3632321	4528	92		
L 12974 POD1		L	LE	3	4	3	18	17S	33E	621233	3632940	4530	140	130	10
L 02770 S2		L	LE	2	2	3	18	17S	33E	621338	3633583*	4737	214	184	30
L 02770 S3		L	LE	2	2	3	18	17S	33E	621338	3633583*	4737	220	202	18
L 03980 S2		L	LE	3	2	3	01	17S	32E	619470	3636581*	4905	225	175	50

Average Depth to Water: **130 feet**

Minimum Depth: **75 feet**

Maximum Depth: **202 feet**

Record Count: 43

UTMNAD83 Radius Search (in meters):

Easting (X): 616721.52 **Northing (Y):** 3632518.13 **Radius:** 5000

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

7/15/24 1:14 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 13403 POD1	3	3	4	15	17S	32E	616724	3633007

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: RUSSELL SOUTHERLAND

Drill Start Date: 01/22/2024 **Drill Finish Date:** 01/22/2024 **Plug Date:** 01/26/2024

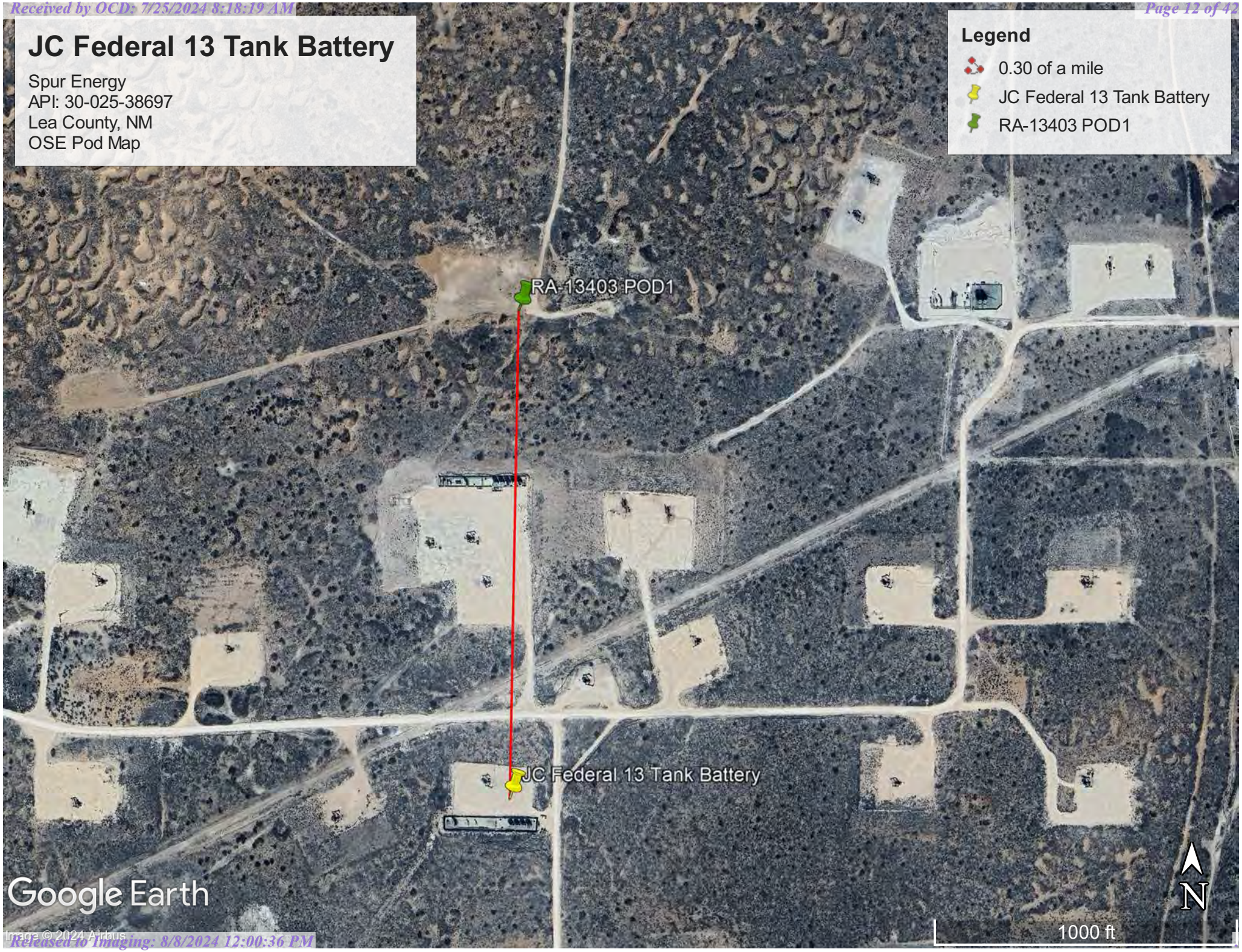
Log File Date: 02/05/2024 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

JC Federal 13 Tank Battery

Spur Energy
API: 30-025-38697
Lea County, NM
OSE Pod Map



National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324913103403501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

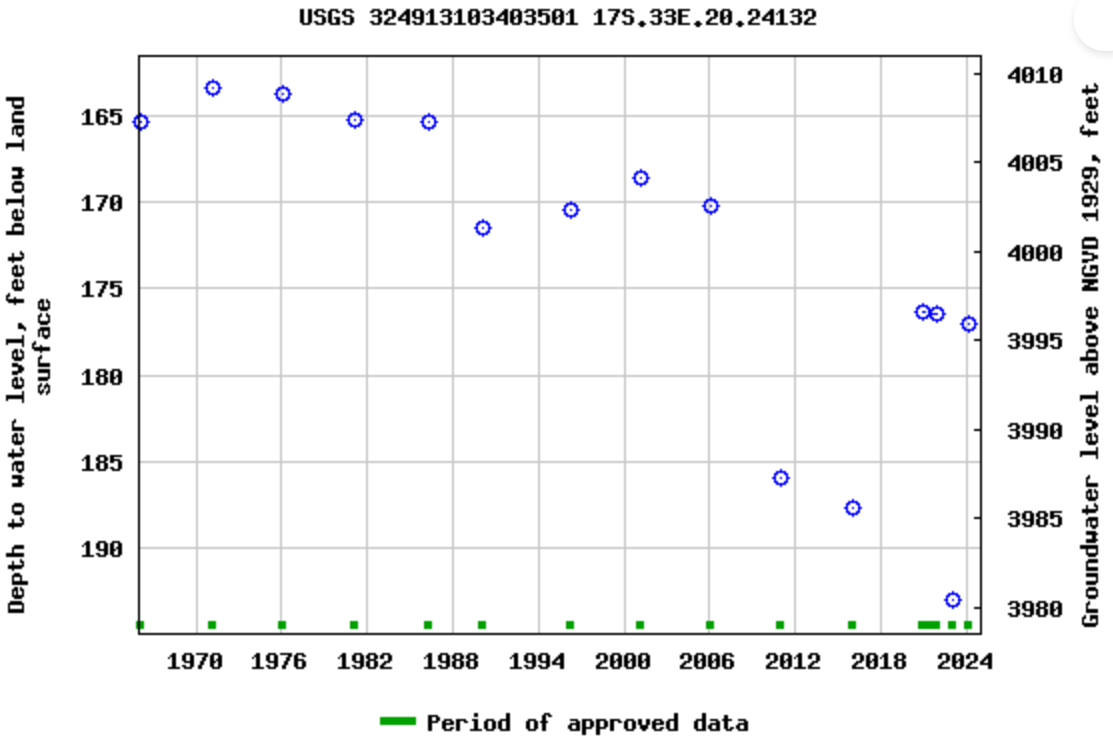
USGS 324913103403501 17S.33E.20.24132

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°49'20.4", Longitude 103°40'46.1" NAD83
Land-surface elevation 4,173.00 feet above NGVD29
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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



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

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

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

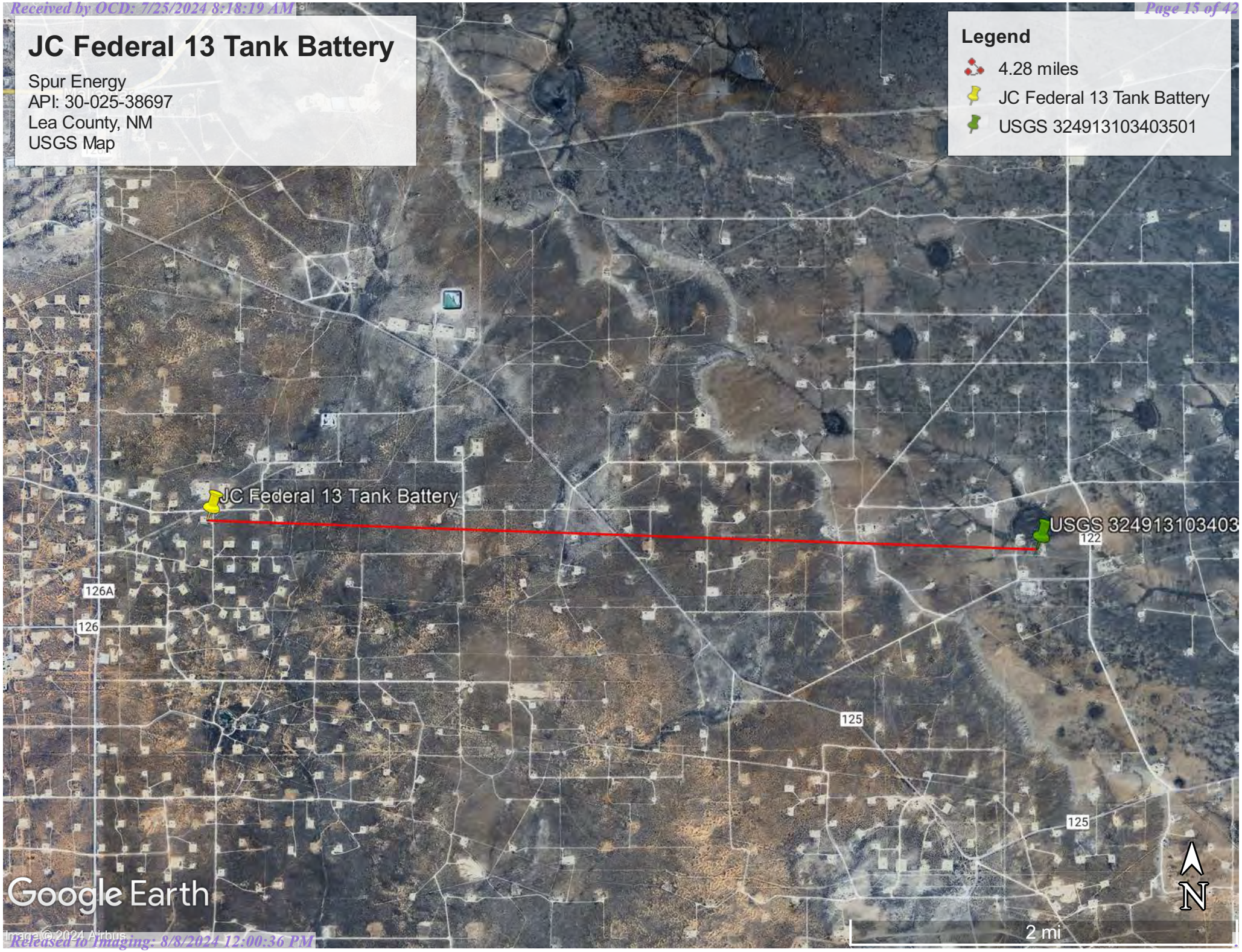
Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2024-07-15 15:13:02 EDT
0.65 0.53 nadww01

JC Federal 13 Tank Battery

Spur Energy
API: 30-025-38697
Lea County, NM
USGS Map

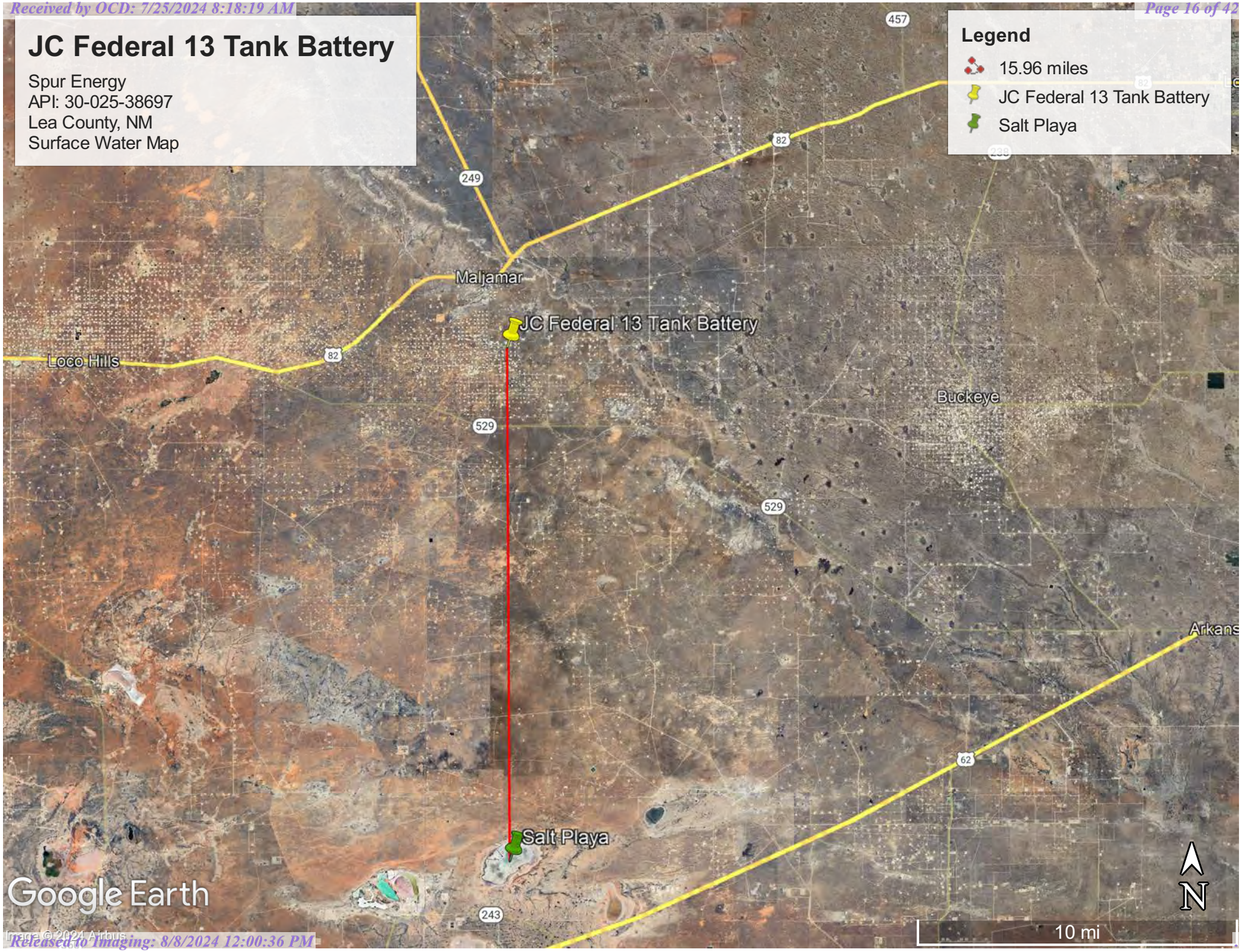
Legend

- 4.28 miles
- JC Federal 13 Tank Battery
- USGS 324913103403501



JC Federal 13 Tank Battery

Spur Energy
API: 30-025-38697
Lea County, NM
Surface Water Map



Appendix B

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

Lea County, New Mexico

KE—Kermit-Wink complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: dmpw
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 70 percent
Wink and similar soils: 20 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Wink

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: fine sand
Bk - 12 to 23 inches: sandy loam
BCk - 23 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 4.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Minor Components

Berino

Percent of map unit: 3 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Palomas

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Dune land
Percent of map unit: 2 percent
Hydric soil rating: No

Pyote
Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

Soil Map—Lea County, New Mexico

MAP LEGEND

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

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

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

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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

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

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

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

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

Eolian and piedmont deposits

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

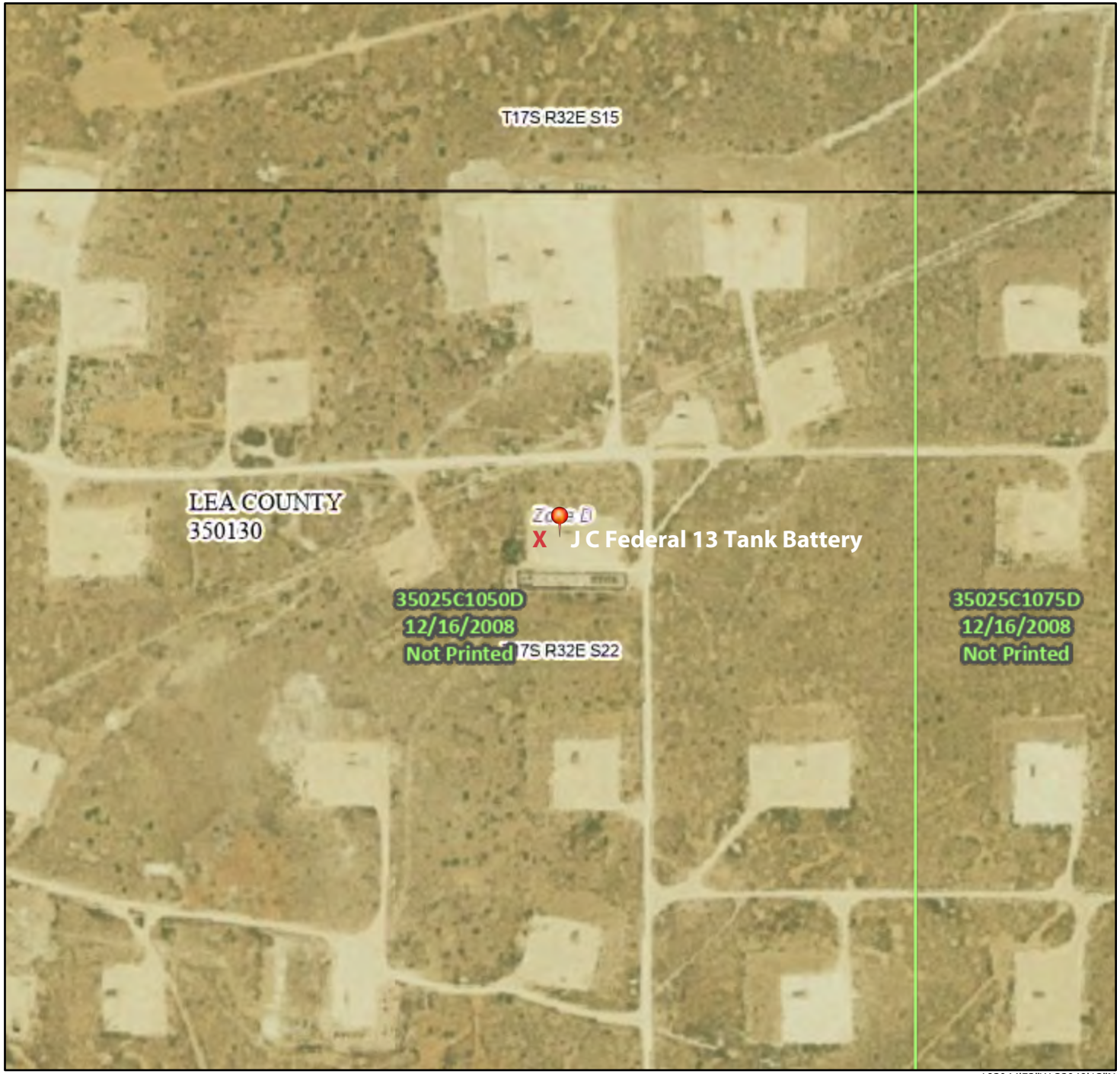
Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

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

State	New Mexico (/geology/state/state.php?state=NM)
Name	Eolian and piedmont deposits
Geologic age	Holocene to middle Pleistocene
Lithologic constituents	Major Unconsolidated *(Eolian)* *Interlayered eolian sands and piedmont-slope deposits*
References	New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).
NGMDB product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

National Flood Hazard Layer FIRMette

FEMA



Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/15/2024 at 3:20 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.

Basemap Imagery Source: USGS National Map 2023

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

July 15, 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, July 14, 2024 6:17 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363816

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#) nAPP2416351391.

The liner inspection is expected to take place:

When: 07/17/2024 @ 07:00
Where: B-22-17S-32E 0 FNL 0 FEL (32.82449,-103.75303)

Additional Information: Marisa Loya
575-416-0639

Additional Instructions: 32.824410,-103.753373

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: JC Federal 13 Tank Battery

Lat/Long: 32.82449, -103.75303

NMOCD Incident ID & Incident Date: NAPP2416351391 06/10/2024

2-Day Notification Sent: via OCD Portal by Sebastian Orozco 07/14/2024

Inspection Date: 07/17/2024

Liner Type: Earthen w/liner | Earthen no liner | Polyester | 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: JC Federal 13 Tank Battery

Release Photos

Photo showing the area of release that spill occurred at.

Photo showing the area of release that spill occurred at.

Photo showing the area of release that spill occurred at.

Photo showing the area of release that spill occurred at.

Photo showing the area of release that spill occurred at.

Photo showing the area of release that spill occurred at.

Liner Inspection

Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

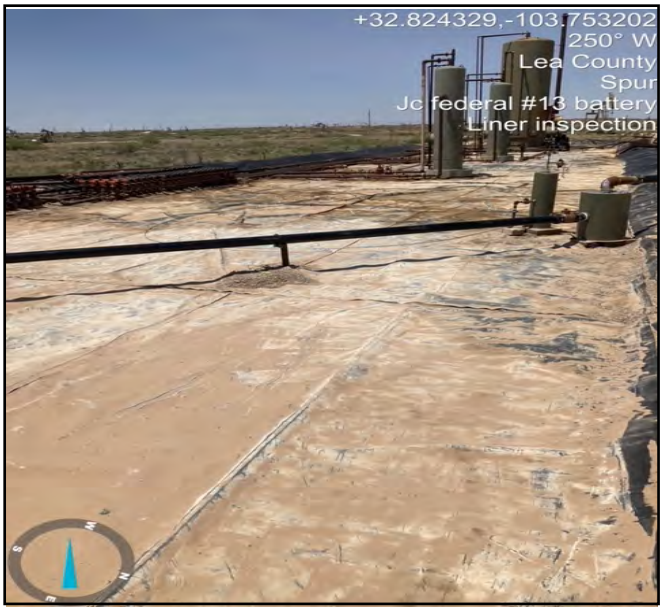


Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

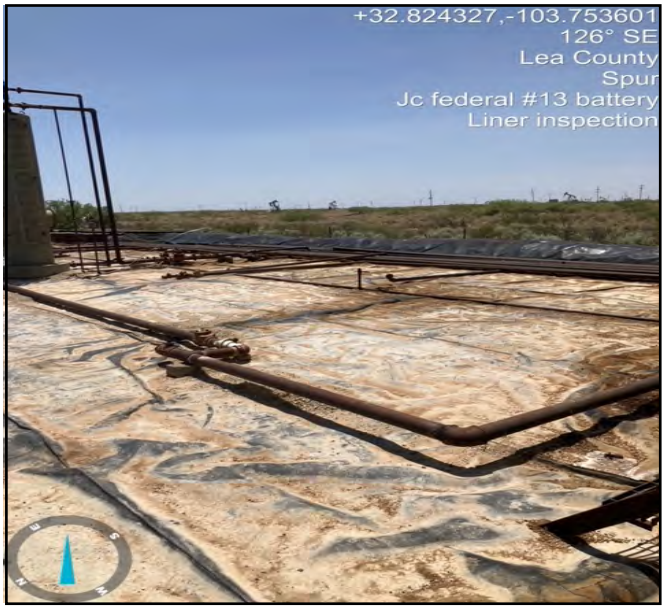


Photo exposing the liner that was underneath the contaminated gravel

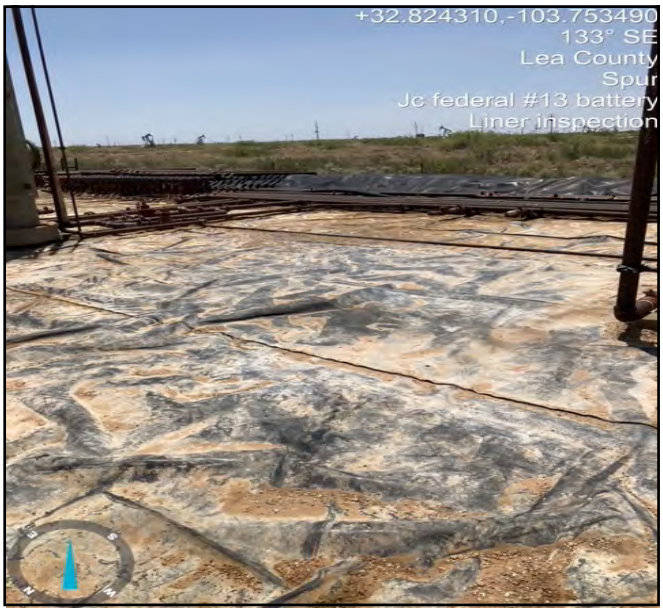


Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

Photo exposing the liner that was underneath the contaminated gravel

Backfill:

Photo showing backfill areas with clean gravel

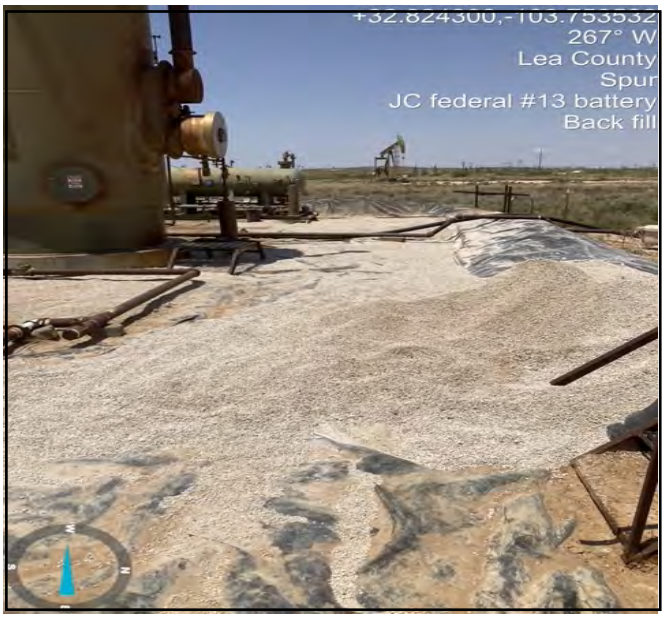


Photo showing backfill areas with clean gravel

Photo showing backfill areas with clean gravel

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Photo showing backfill areas with clean gravel

Photo showing backfill areas with clean gravel

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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 367139

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 367139
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2416351391**
Incident Name	**NAPP2416351391 JC FEDERAL 13 TANK BATTERY @ 30-025-38697**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-38697] J C FEDERAL #013**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JC FEDERAL 13 TANK BATTERY
Date Release Discovered	06/10/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 5 BBL | Recovered: 5 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Produced Water | Released: 65 BBL | Recovered: 65 BBL | Lost: 0 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)	CORROSION OF A CIRCULATING LINE CAUSED AN OIL AND PRODUCED WATER RELEASE INTO LINED CONTAINMENT

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 367139
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 06/18/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 367139
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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	Yes
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	07/01/2024
On what date will (or did) the final sampling or liner inspection occur	07/17/2024
On what date will (or was) the remediation complete(d)	07/17/2024
What is the estimated surface area (in square feet) that will be remediated	4690
What is the estimated volume (in cubic yards) that will be remediated	20
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: 367139
	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.)	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No
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: 07/25/2024
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: 367139
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	**363816**
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	**07/17/2024**
Was all the impacted materials removed from the liner	**Yes**
What was the liner inspection surface area in square feet	**4686**

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	**Yes**
What was the total surface area (in square feet) remediated	4690
What was the total volume (cubic yards) remediated	20
Summarize any additional remediation activities not included by answers (above)	GRAVEL WAS REMOVED FROM THE LINER, LINER WAS POWERWASHED AND INSPECTED AND WAS FOUND TO HAVE THE ABILITY TO CONTAIN SPILLS

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: 07/25/2024

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CONDITIONS

Action 367139

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 367139
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	8/8/2024