

March 26, 2025

Hardy 36 State 1 Battery Release – Maverick Permian, LLC



Remediation Closure Report

Written by Sapec-Eco, LLC for Maverick
Permian, LLC

ATTN: NMOCD District 1
1625 N French Dr.
Hobbs, NM 88240

RE: **Site Characterization and Remediation Closure Report**
Hardy 36 State 1 Battery Release
Facility ID fAPP2212327114
GPS: Latitude 32.5276078 Longitude -103.2055708 NAD83
ULSTR – K – 36 – 20S – 37E Lea County, NM
NMOCD Incident ID nAPP2502728742

This produced water release was discovered by the operator on January 23, 2025. The initial Notification of Release and C-141 were submitted on January 27, 2025, and approved by NMOCD on January 29, 2025 (OCD Permitting: Action Status – Application IDs 424810 & 425138). This incident was assigned Incident ID nAPP2502728742 by the New Mexico Oil Conservation Division (NMOCD).

Release Information

nAPP2502728742: On January 23, 2025, an unknown equipment failure occurred causing a release of approximately 20 barrels (bbls) of produced water. Approximately 10 bbls of fluid were recovered via vacuum truck.

Site Characterization

The Hardy 36 State 1 Battery (Hardy) is located approximately six and a half (6.5) miles northwest of Eunice, NM. This spill site is in Unit K, Section 36, Township 20S, Range 37E, Latitude 32.5276078 Longitude -103.2055708, Lea County, NM. It can be accessed by a lease road that bears entry from the east and west. From the intersection of Hill Road and an unnamed lease road in Lea County northwest of Eunice, New Mexico, travel north on the unnamed lease road for approximately 0.32 miles, curve east for approximately 0.34 miles, turn north into location. A Location Map can be found in Figure 5.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is Eolian and piedmont deposits: 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. A Geologic Unit Map can be found in Appendix B.

The soil in this area is made up of Pyote and Maljamar fine sands. This soil profile consists of 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Hardy with the nearest medium karst zone being approximately 33.14 miles to the west (Figure 3). Reference Figure 4 for a Topographic Map.

The remediation area at the Hardy is in previously disturbed areas developed for oil and gas extraction; therefore, a cultural resource survey will not be required for remediation activities as they did not extend beyond the previously disturbed areas.

A desktop review of the Hardy was performed and found to not be in range of any Special Status Plant Species. However, this site is located within the Isolated Population Area of the Lesser Prairie Chicken Habitat and within the Dunes Sage Brush Lizard Habitat. Remediation activities strictly adhered to timing restrictions and complied with all requirements listed in the Protection Act regarding these species. A Special Status Plant/Wildlife Map can be found in Figure 6.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 52 feet below grade surface (bgs). This data was recorded from CP-01486-POD1, in February of 2016, which is located approximately 1.36 miles away from the Hardy. According to the United States Geological Survey, well water data from USGS 323114103130601 20S.37E.35.414234 records depth to the nearest groundwater at 52 feet bgs, with the last gauge being conducted in 2016. This well is approximately 0.63 miles west of the Hardy. See Appendix A for referenced Water Surveys and Water-Related Maps.

The nearest surface water body is Stephen's Park Pond located approximately 4.42 miles south of this site. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Emergent Wetland approximately 0.42 miles to the south of this area. According to Fema's National Flood Hazard Layer search, the Hardy is situated in Zone D – Area of Undetermined Flood Hazard.

The closure criteria for all remediation on the pad surface at the Hardy will be classified under the less than 50-foot depth to

groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 600 mg/kg, TPH (GRO+DRO+ORO) should be less than 100 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

Remediation Activities

On March 10, 2025, work began on site with a hydrovac crew to locate and expose underground utilities within the release area.

On March 13, 2025, Wild West Services LLC mobilized personnel and equipment to the site to begin excavating the release area on the pad and lease road surface. The total area of the excavation measured approximately 3,599 square feet and was excavated to a depth of 8" bgs. The total amount of soil removed was approximately 100 cubic yards.

On March 18, 2025, after submitting a 48-hour notification to the NMOCD for a confirmation sampling event, Sapec personnel returned to the site to collect the confirmation samples. Ninety (90) subsamples were collected from the base of the excavation to form eighteen (18) 5-point composite samples. Sixty (60) subsamples were collected from the walls of the excavation to form twelve (12) 5-point composite samples. These samples were collected from a depth 8" bgs. A total of thirty (30) composite samples were immediately placed in a cooler with ice, then prepared and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. A Confirmation Sample Map can be referenced in Figure 1. The laboratory results of this sampling event can be seen in the Data Table in Figure 2. A complete Laboratory Report can be found in Appendix E.

On March 20, 2025, the analytical report was received and verified all sample results (Figure 2) are under the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC.

On March 24, 2025, Wild West personnel returned to the site to backfill the excavation with clean, like material from the nearest available caliche pit location. Photographic Documentation can be referenced in Appendix D.

Approval Request

Based on the laboratory results, the contamination levels represented in all sample points are under regulatory limits according to the closure criteria outlined in the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Maverick respectfully requests that this remediation closure report be approved by the NMOCD for incident ID nAPP2502728742. Maverick understands that reclamation of this pad and road area, once it is no longer needed for production or subsequent drilling operations, will require an approved reclamation plan addressing a minimum of four feet of non-waste containing earthen material, followed by an approved revegetation report after proper vegetation growth has been confirmed.

Should you have any questions or need additional information, please feel free to contact:
Maverick Permian, LLC – Bryce Wagoner at (928) 241-1862 or bryce.wagoner@mavresources.com.
Sapec-Eco, LLC. – Tom Bynum at (580) 748-1613 or tombynum@sapec-eco.com.

Attachments

Figures:

- 1- Confirmation Sample Map
- 2- Data Tables
- 3- Karst Map
- 4- Topographic Map
- 5- Location Map
- 6- Special Status Plant/Wildlife Map

Appendices:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – 48-Hour Notification & NMOCD Correspondence
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

Figures:

1 – Confirmation Sample Map

2 – Data Tables

3 – Karst Map

4 – Topographic Map

5 – Location Map

6 – Special Status Plant/Wildlife Map

Hardy 36 State 1 Battery Release

Maverick Permian
Facility ID fAPP2212327114
Lea County, NM
nAPP2502728742
Confirmation Sample Map

Legend

- Composite base samples
- Composite wall samples
- Hardy 36 State 1 Battery Release
- ▲ Point of Release
- Release area - 3,599 sqft



Google Earth

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Maverick Permian - Hardy 36 State 1 Battery Release - nAPP2502728742								
Date: 3/18/2025		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	ORO mg/kg	TPH mg/kg	CI mg/kg
1-8"	8"	ND	ND	ND	ND	ND	ND	ND
2-8"	8"	ND	ND	ND	ND	ND	ND	ND
3-8"	8"	ND	ND	ND	ND	ND	ND	ND
4-8"	8"	ND	ND	ND	ND	ND	ND	ND
5-8"	8"	ND	ND	ND	ND	ND	ND	ND
6-8"	8"	ND	ND	ND	ND	ND	ND	ND
7-8"	8"	ND	ND	ND	ND	ND	ND	27.4
8-8"	8"	ND	ND	ND	ND	ND	ND	ND
9-8"	8"	ND	ND	ND	ND	ND	ND	ND
10-8"	8"	ND	ND	ND	ND	ND	ND	ND
11-8"	8"	ND	ND	ND	ND	ND	ND	22.2
12-8"	8"	ND	ND	ND	ND	ND	ND	ND
13-8"	8"	ND	ND	ND	ND	ND	ND	ND
14-8"	8"	ND	ND	ND	ND	ND	ND	26
15-8"	8"	ND	ND	ND	ND	ND	ND	ND
16-8"	8"	ND	ND	ND	ND	ND	ND	ND
17-8"	8"	ND	ND	ND	ND	ND	ND	ND
18-8"	8"	ND	ND	ND	ND	ND	ND	ND
W1-8"	8"	ND	ND	ND	ND	ND	ND	ND
W2-8"	8"	ND	ND	ND	ND	ND	ND	ND
W3-8"	8"	ND	ND	ND	ND	ND	ND	ND
W4-8"	8"	ND	ND	ND	ND	ND	ND	ND
W5-8"	8"	ND	ND	ND	ND	ND	ND	ND
W6-8"	8"	ND	ND	ND	ND	ND	ND	ND
W7-8"	8"	ND	ND	ND	ND	ND	ND	ND
W8-8"	8"	ND	ND	ND	ND	ND	ND	ND
W9-8"	8"	ND	ND	ND	ND	ND	ND	ND
W10-8"	8"	ND	ND	ND	ND	ND	ND	ND
W11-8"	8"	ND	ND	ND	ND	ND	ND	ND
W12-8"	8"	ND	ND	ND	ND	ND	ND	ND

Hardy 36 State 1 Battery Release

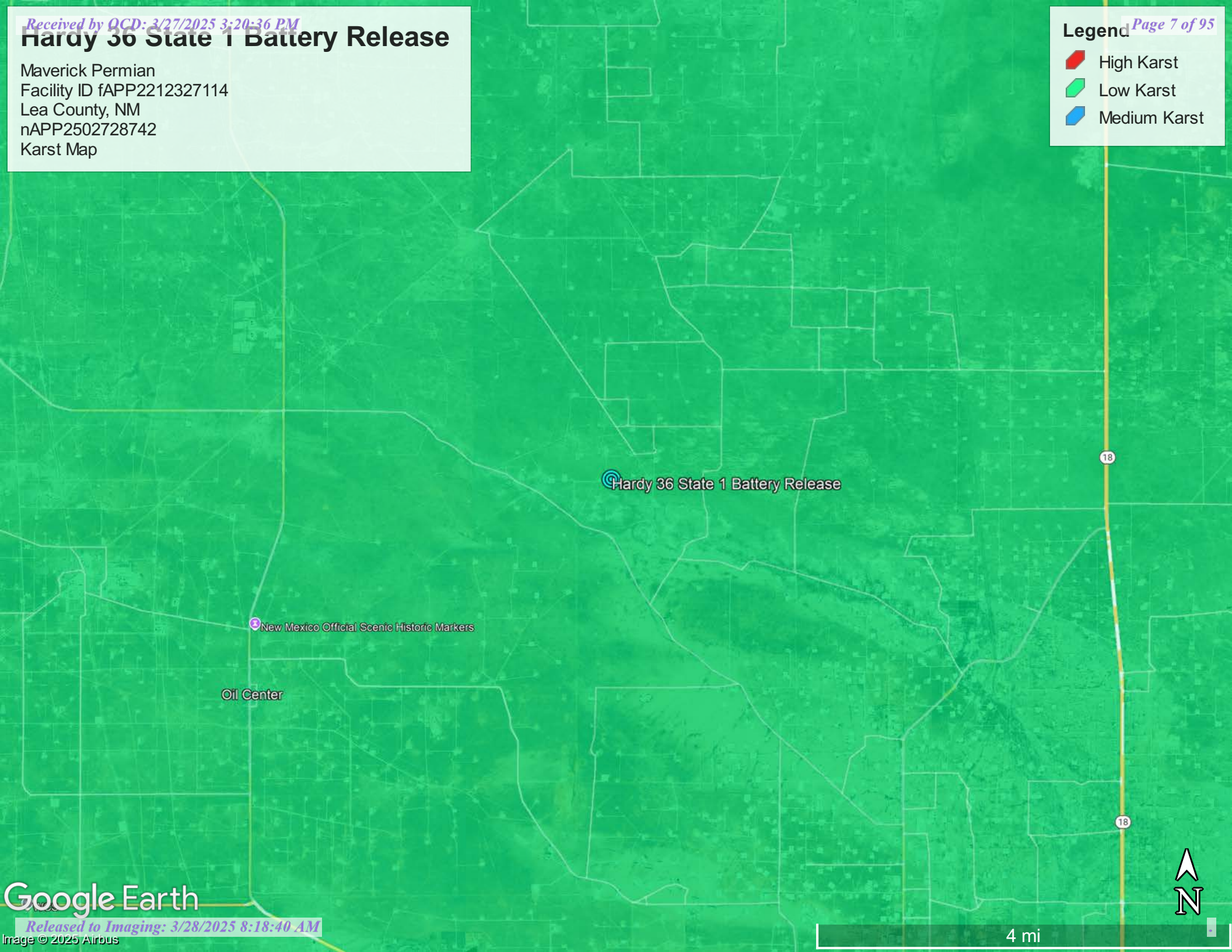
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Lea County, NM
nAPP2502728742
Karst Map

Legend

High Karst

Low Karst

Medium Karst

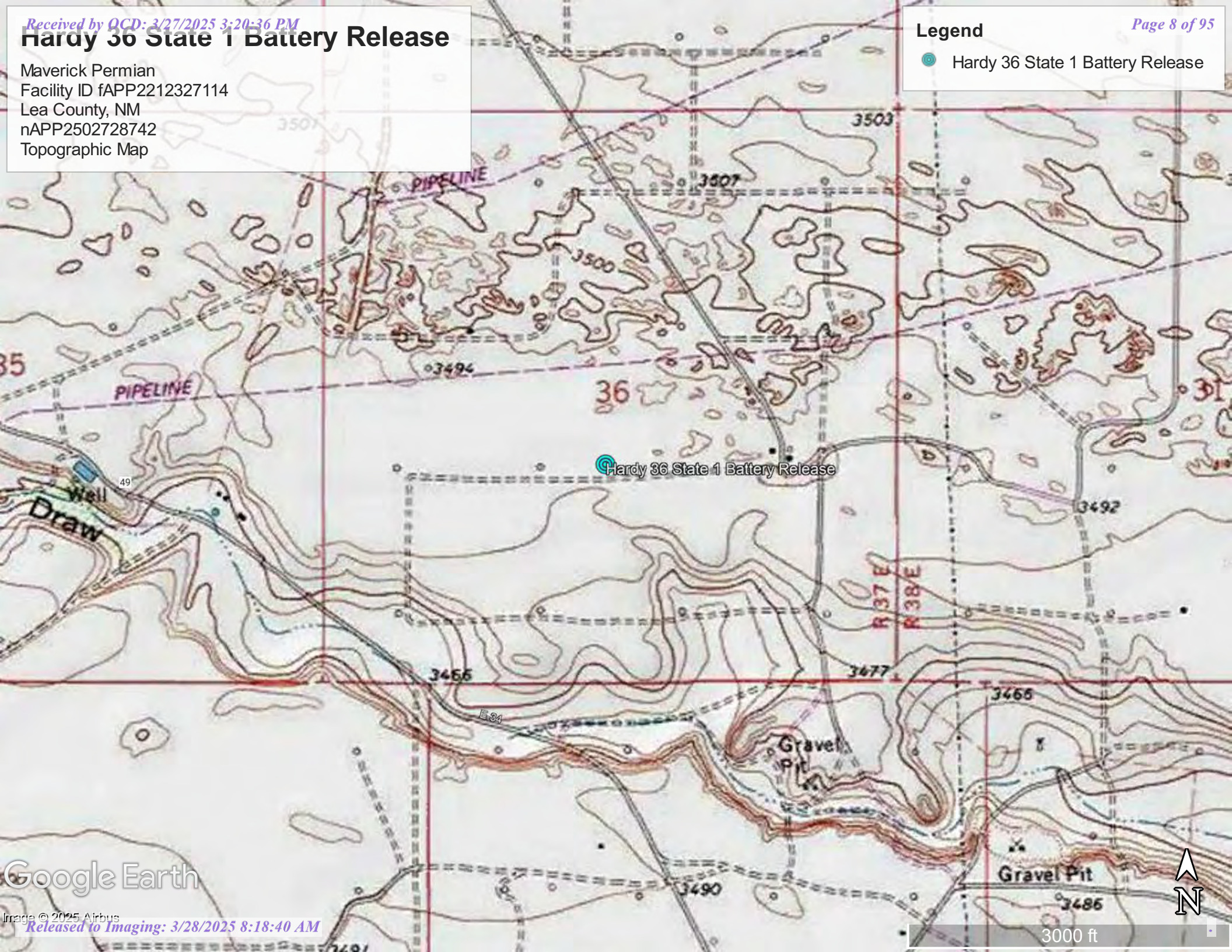


Hardy 36 State 1 Battery Release

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Lea County, NM
nAPP2502728742
Topographic Map

Legend

- Hardy 36 State 1 Battery Release




Google Earth

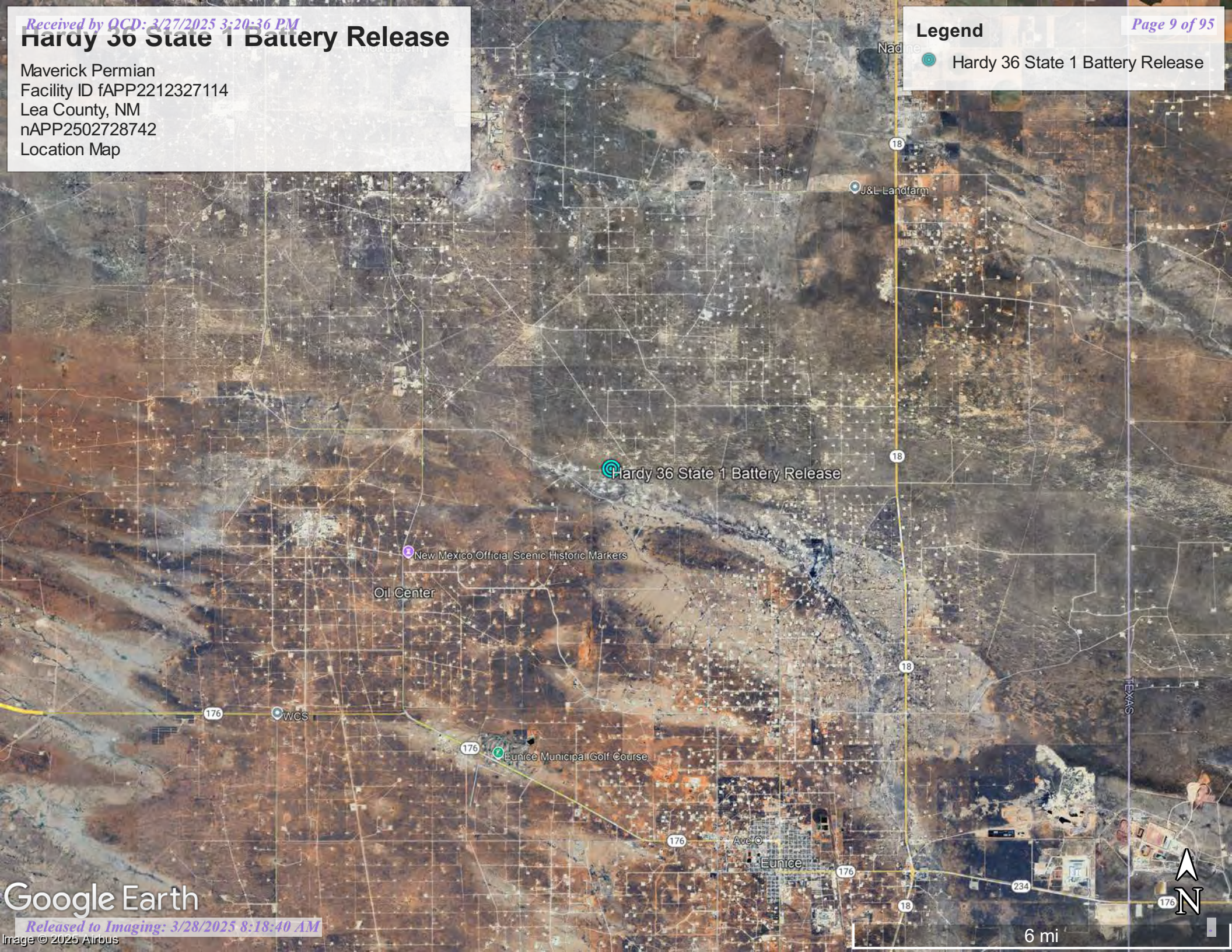


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nAPP2502728742
Location Map

Legend

 Hardy 36 State 1 Battery Release



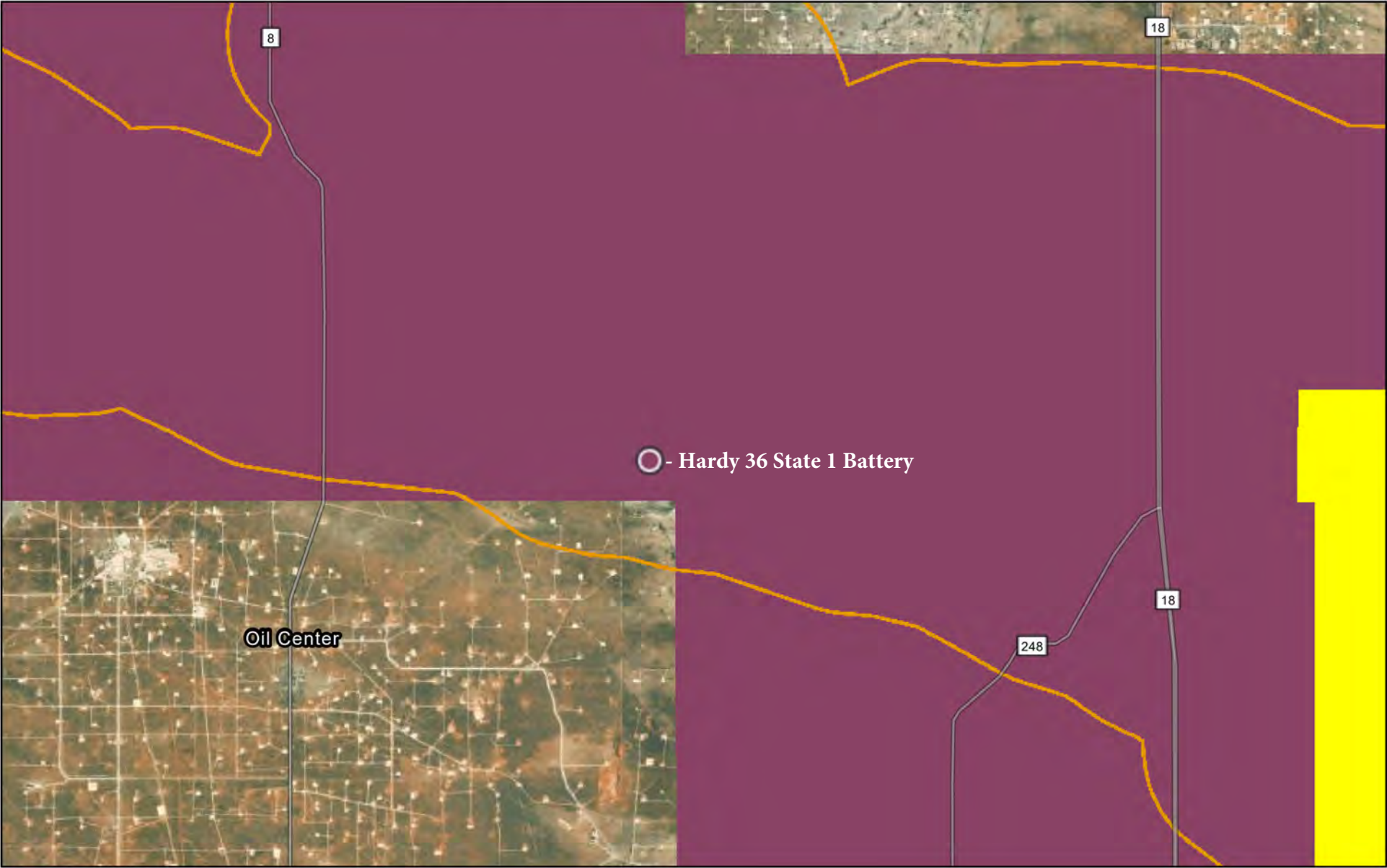
Google Earth

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6 mi



Special Status Plant/Wildlife Map

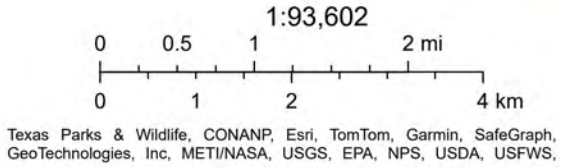


2/21/2025

- Dunes Sage Brush Lizard Habitat
- Lesser Prairie Chicken Habitat
- Habitat Evaluation Area
- Isolated Population Area

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery

- Citations
- 19m Resolution Metadata



Appendix A

Water Surveys

Water-Related Maps



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01486 POD1		CP	LE	SE	NE	NW	05	21S	37E	670332.7	3599085.1		2196	140	52	88
CP 00877		CP	LE				06	21S	37E	668920.0	3598153.0 *		2220	150	73	77
CP 00986 POD1		CP	LE	SE	SW	SE	06	21S	37E	669110.2	3597437.7		2958	154		

Average Depth to Water: **62 feet**

Minimum Depth: **52 feet**

Maximum Depth: **73 feet**

Record Count: 3

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 668528.24

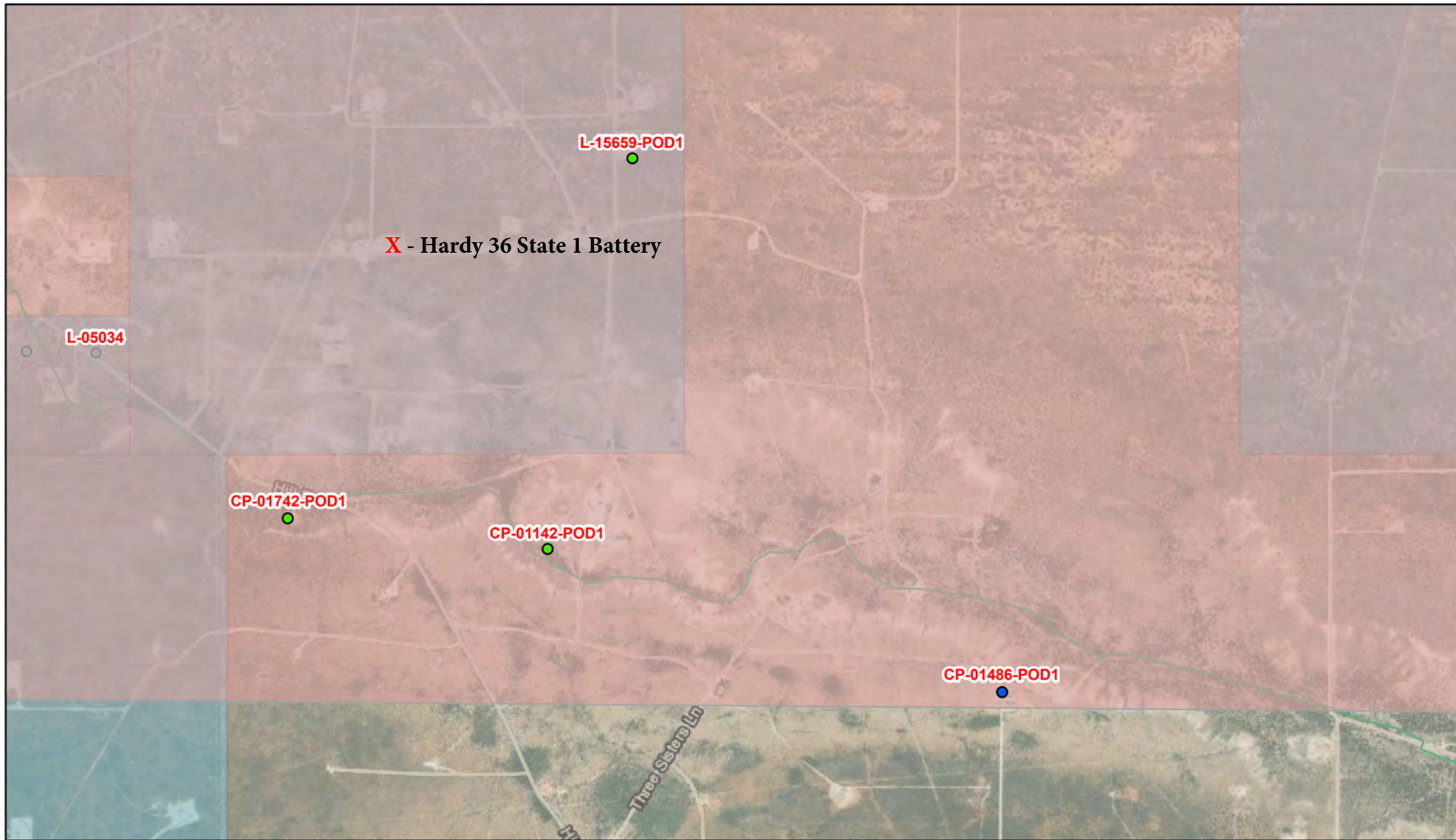
Northing: 3600338.19

Radius: 03000

* UTM location was derived from PLSS - see Help

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

OSE POD Location Map



2/21/2025, 12:57:23 PM

GIS WATERS PODs

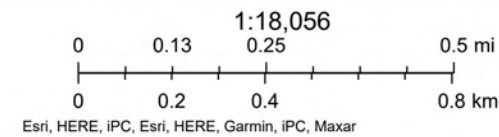
- Active
- Pending
-
- OSE District Boundary

Water Right Regulations

- Critical Management Area - Guidelines
- Closure Area
- Artesian Planning Area

New Mexico State Trust Lands

- Both Estates
- NHD Flowlines
- Stream River



Online web user
This is an unofficial map from the OSE's online application.



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 323114103130601

Minimum number of levels = 1

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

USGS 323114103130601 20S.37E.35.414234

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°31'35.5", Longitude 103°12'58.4" NAD83

Land-surface elevation 3,475.00 feet above NGVD29

The depth of the well is 63 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

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

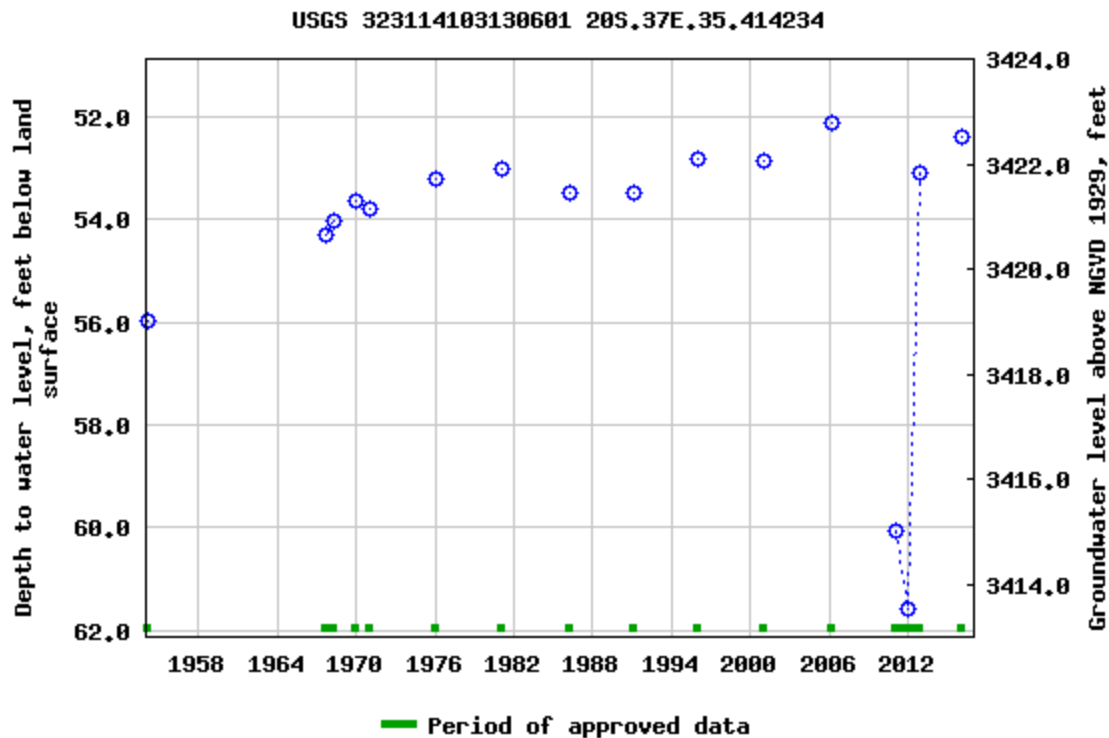
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

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: 2025-02-21 13:59:42 EST

0.71 0.5 nadww02







National Water Information System: Mapper

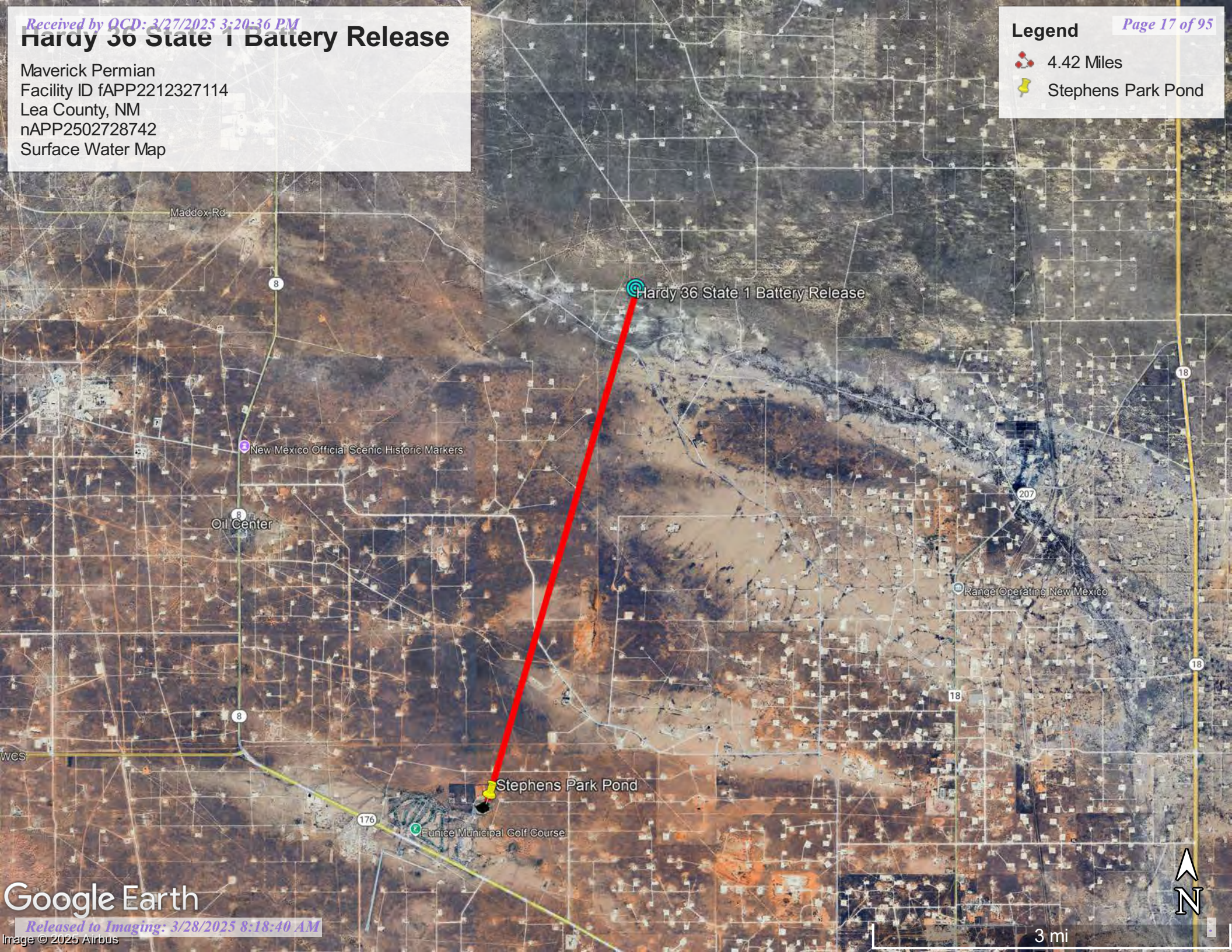


Hardy 36 State 1 Battery Release

Maverick Permian
Facility ID fAPP2212327114
Lea County, NM
nAPP2502728742
Surface Water Map




Legend

-  4.42 Miles
-  Stephens Park Pond



Google Earth

An aerial photograph of a rural landscape with agricultural fields and some buildings. A blue line connects a green pin icon at the top left to another green pin icon in the center. The top-left pin is labeled "Hardy 36 State 1 Battery - X". Several irregular green-shaded regions are scattered across the bottom half of the map, each labeled "PEM1A". In the bottom left corner, there is a scale bar with markings for 0, 0.125, 0.25, and 0.5 miles, as well as 0, 0.2, 0.4, and 0.8 kilometers. Above the scale bar, the text "1:14,981" indicates the map's scale. In the bottom right corner, small text reads "U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov".

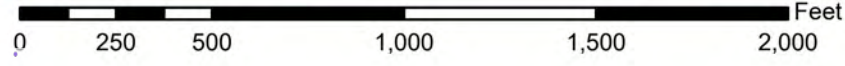
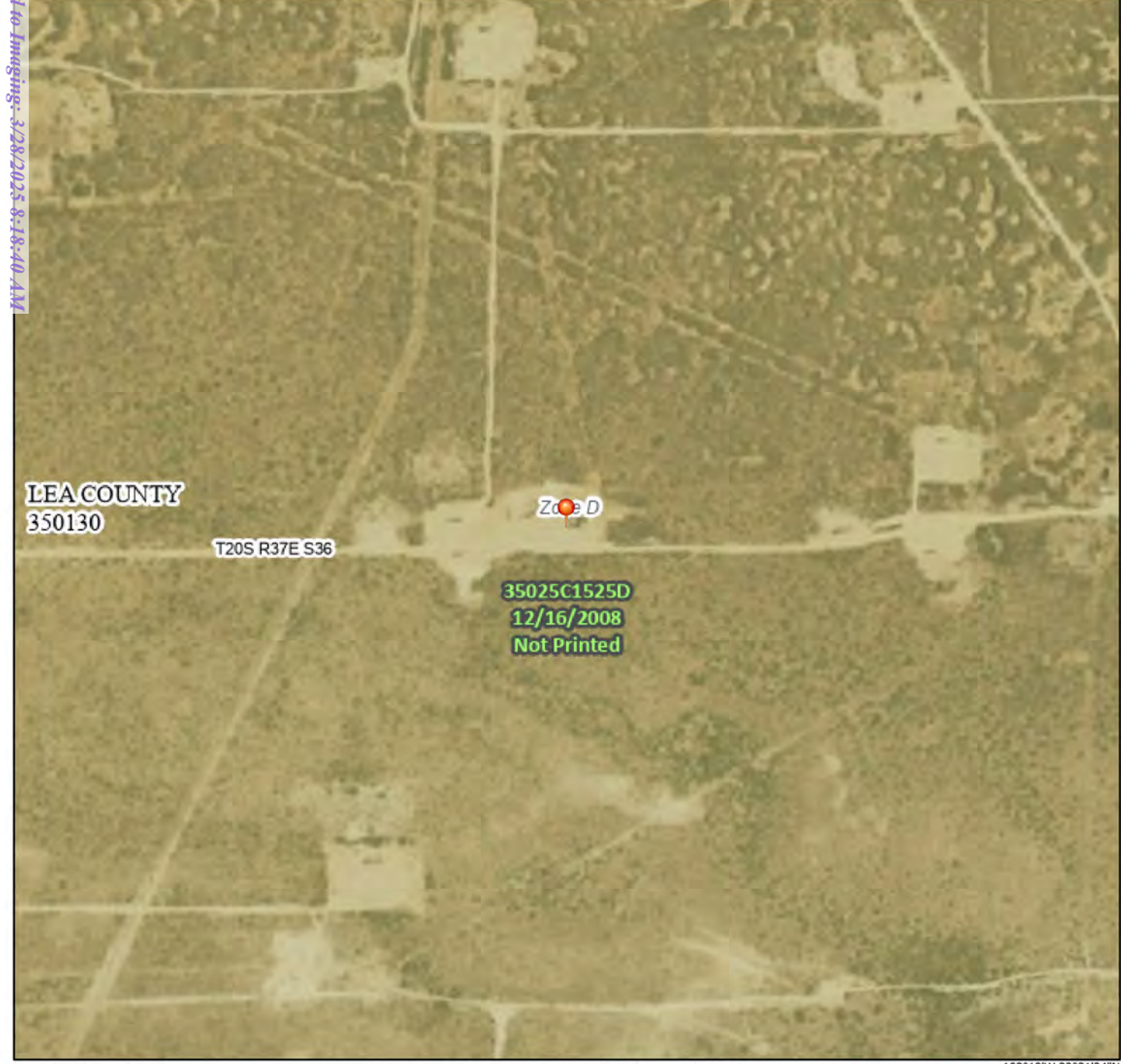
 Lake
 Other
 Riverine

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

National Flood Hazard Layer FIRMMette



103°12'38"W 32°31'54"N



1:6,000

103°12'W 32°31'24"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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
	MAP PANELS	
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/21/2025 at 7:06 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 3/28/2025 8:18:40 AM

Received by OCD: 3/28/2025 3:20:36 PM

Page 19 of 95

Appendix B

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 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

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

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

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: 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: 5 percent

Gypsum, maximum content: 1 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 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

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

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
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: 5 percent
Gypsum, maximum content: 1 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 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

2/21/2025
Page 1 of 3

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 21, Sep 3, 2024

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

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

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

Map Unit Legend

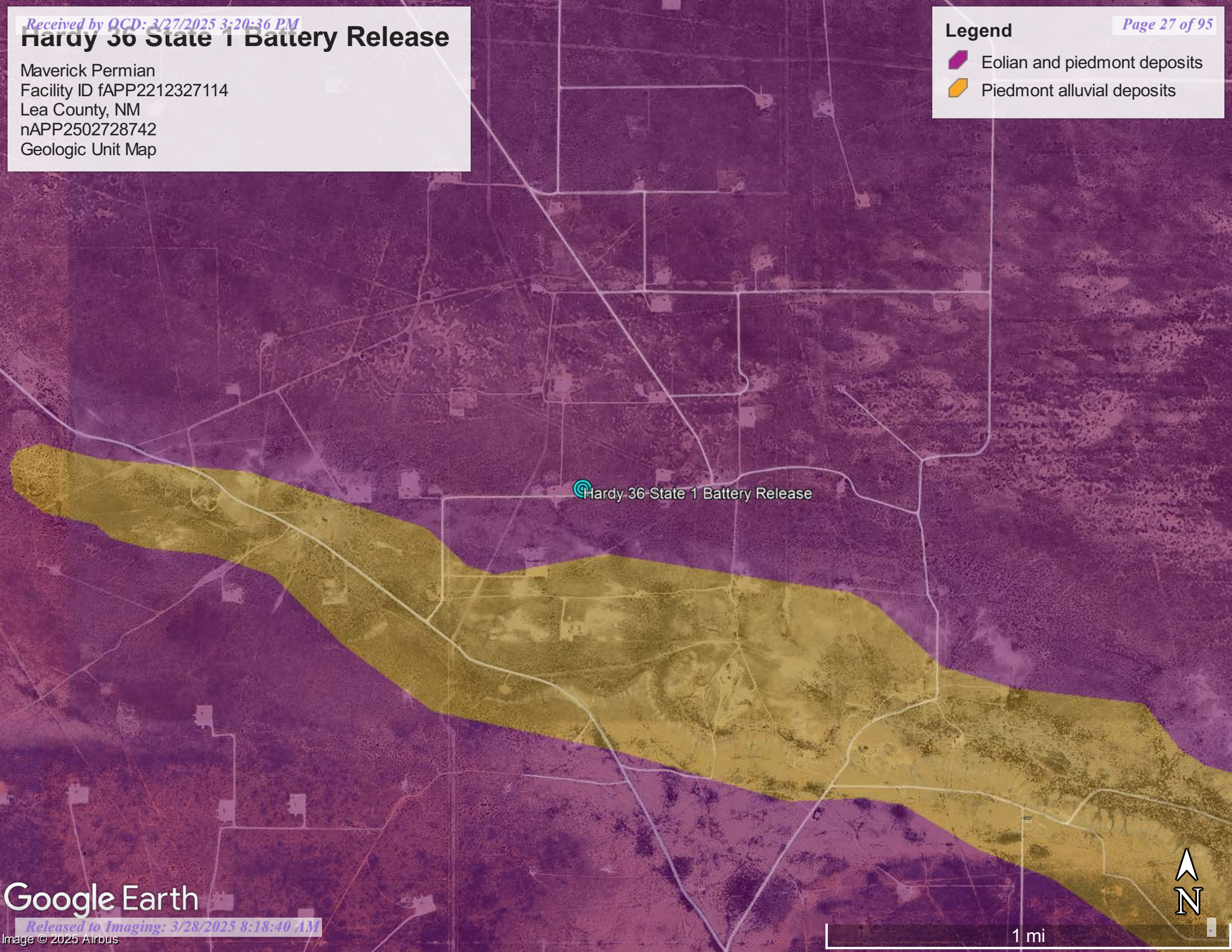
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	2.4	100.0%
Totals for Area of Interest		2.4	100.0%

Hardy 36 State 1 Battery Release

Maverick Permian
Facility ID fAPP2212327114
Lea County, NM
nAPP2502728742
Geologic Unit Map

Legend

- Eolian and piedmont deposits
- Piedmont alluvial deposits



Hardy 36 State 1 Battery Release



Appendix C

48-Hour Notification

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 442085

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 442085
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502728742
Incident Name	NAPP2502728742 HARDY 36 STATE 1 BATTERY RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2212327114] HARDY 36 STATE BATTERY

Location of Release Source	
Site Name	Hardy 36 State 1 Battery Release
Date Release Discovered	01/23/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,599
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Scott - (575) 703-8880
Please provide any information necessary for navigation to sampling site	Sampling location at 32.527400, -103.205055

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 442085

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 442085
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cterhune	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.	3/13/2025



Outlook

RE: [EXTERNAL] Re: The Oil Conservation Division (OCD) has accepted the application, Application ID: 442085

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Date Fri 3/21/2025 8:24 AM

To Tom bynum <tombynum@saptec-eco.com>

Cc bryce.wagoner@mavresources.com <bryce.wagoner@mavresources.com>; Simon Abela <s.abela@saptec-eco.com>; Terhune, Chuck <Chuck.Terhune@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Tom,

In this particular case, the OCD will accept the samples but please don't let this happen again. In the future, please make sure 2 full business days notification is given to the OCD in case an environmental representative would like to meet you on site. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, March 20, 2025 2:45 PM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Re: The Oil Conservation Division (OCD) has accepted the application, Application ID: 442085

From: Tom bynum <tombynum@saptec-eco.com>

Sent: Thursday, March 20, 2025 2:32 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Bryce Wagoner <bryce.wagoner@mavresources.com>; Simon Abela <s.abela@saptec-eco.com>; Terhune, Chuck <Chuck.Terhune@tetrattech.com>

Subject: [EXTERNAL] Re: The Oil Conservation Division (OCD) has accepted the application, Application ID: 442085

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking
--

on links or opening attachments.

My apologies for the delay, but there was a change associated with this sampling event. Due to illness, the technician was not able to collect these on 3/17/25, they were collected on 3/18/25 instead, starting at 0630.

MANY THANKS,

Tom Bynum

(580) 748-1613

SAPEC-ECO, LLC

www.sapec-eco.com

From: Terhune, Chuck <chuck.terhune@tetrattech.com>

Sent: Thursday, March 13, 2025 9:55 AM

To: Tom bynum <tombynum@sapec-eco.com>

Cc: Bryce Wagoner <bryce.wagoner@mavresources.com>; Simon Abela <s.abela@sapec-eco.com>

Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 442085

Sampling notification submitted. Per the below.

Best Regards,

Chuck Terhune, P.G. | Program Manager

Mobile +1 (281) 755-8965 | Business +1 (832) 252-2093

chuck.terhune@tetrattech.com

Tetra Tech | *Leading with Science®* | OGA

1500 CityWest Blvd., Ste. 1000 | Houston, TX 77042 | tetrattech.com/oilandgas

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Please consider the environment before printing. [Read more](#)



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Thursday, March 13, 2025 9:54 AM

To: Terhune, Chuck <chuck.terhune@tetrattech.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 442085

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

To whom it may concern (c/o Chuck Terhune for Maverick Permian LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2502728742.

The sampling event is expected to take place:

When: 03/17/2025 @ 09:00

Where: K-36-20S-37E 0 FNL 0 FEL (32.5276078,-103.2055708)

Additional Information: Scott - (575) 703-8880

Additional Instructions: Sampling location at 32.527400, -103.205055

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

Appendix D

Photographic Documentation

Maverick Permian, LLC

Photographic Documentation

Hardy 36 State 1 Battery – nAPP2502728742



Initial Release 1



Initial Release 2



Initial Release 3



Excavation 1

Maverick Permian, LLC

Photographic Documentation

Hardy 36 State 1 Battery – nAPP2502728742



Excavation 2



Excavation 3



Excavation 4



Excavation 5

Maverick Permian, LLC

Photographic Documentation

Hardy 36 State 1 Battery – nAPP2502728742



Excavation 6



Confirmation Samples 1



Confirmation Samples 2



Confirmation Samples 3

Maverick Permian, LLC

Photographic Documentation

Hardy 36 State 1 Battery – nAPP2502728742



Backfill 1



Backfill 2



Backfill 3



Backfill 4

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Sapec-Eco, LLC

Project Name: Hardy 36 State #1 Battery Release

Work Order: E503168

Job Number: 24066-0001

Received: 3/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/21/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/21/25



Tom Bynum
194 Larkspur Dr.
Albany, GA 31721

Project Name: Hardy 36 State #1 Battery Release
Workorder: E503168
Date Received: 3/20/2025 4:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/20/2025 4:30:00AM, under the Project Name: Hardy 36 State #1 Battery Release.

The analytical test results summarized in this report with the Project Name: Hardy 36 State #1 Battery Release apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
1-8"	6
2-8"	7
3-8"	8
4-8"	9
5-8"	10
6-8"	11
7-8"	12
8-8"	13
9-8"	14
10-8"	15
11-8"	16
12-8"	17
13-8"	18
14-8"	19
15-8"	20
16-8"	21
17-8"	22
18-8"	23
W1-8"	24
W2-8"	25

Table of Contents (continued)

W3-8"	26
W4-8"	27
W5-8"	28
W6-8"	29
W7-8"	30
W8-8"	31
W9-8"	32
W10-8"	33
W11-8"	34
W12-8"	35
QC Summary Data	36
QC - Volatile Organics by EPA 8021B	36
QC - Nonhalogenated Organics by EPA 8015D - GRO	38
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	40
QC - Anions by EPA 300.0/9056A	42
Definitions and Notes	44
Chain of Custody etc.	45

Sample Summary

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
03/21/25 14:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1-8"	E503168-01A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
2-8"	E503168-02A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
3-8"	E503168-03A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
4-8"	E503168-04A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
5-8"	E503168-05A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
6-8"	E503168-06A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
7-8"	E503168-07A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
8-8"	E503168-08A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
9-8"	E503168-09A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
10-8"	E503168-10A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
11-8"	E503168-11A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
12-8"	E503168-12A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
13-8"	E503168-13A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
14-8"	E503168-14A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
15-8"	E503168-15A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
16-8"	E503168-16A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
17-8"	E503168-17A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
18-8"	E503168-18A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W1-8"	E503168-19A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W2-8"	E503168-20A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W3-8"	E503168-21A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W4-8"	E503168-22A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W5-8"	E503168-23A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W6-8"	E503168-24A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W7-8"	E503168-25A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W8-8"	E503168-26A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W9-8"	E503168-27A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W10-8"	E503168-28A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W11-8"	E503168-29A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
W12-8"	E503168-30A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

1-8"

E503168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	03/20/25	03/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

2-8"

E503168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	98.8 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

3-8"

E503168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512126
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	96.3 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512124
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

4-8"

E503168-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	71.0 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	97.9 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

5-8"

E503168-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	96.0 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported: 3/21/2025 2:29:13PM
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	

6-8"

E503168-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
Surrogate: n-Nonane	96.3 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

7-8"

E503168-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	98.7 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	27.4	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

8-8"

E503168-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

9-8"

E503168-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

10-8"

E503168-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

11-8"

E503168-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	71.3 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	22.2	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

12-8"

E503168-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	71.4 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

13-8"

E503168-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	71.1 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

14-8"

E503168-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	71.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2512126
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512124
Chloride	26.0	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

15-8"

E503168-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	72.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	97.6 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

16-8"

E503168-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.4 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	97.8 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

17-8"

E503168-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.3 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2512126
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	95.9 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512124
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

18-8"

E503168-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.8 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	96.2 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W1-8"

E503168-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.7 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512122	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2512126	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	89.7 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512124	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W2-8"

E503168-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512122
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512126
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	92.2 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512124
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W3-8"

E503168-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2512123	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2512123	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.3 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2512127	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>	88.8 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2512125	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W4-8"

E503168-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
		91.0 %	61-141	03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W5-8"

E503168-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID	99.9 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
Surrogate: n-Nonane	89.8 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W6-8"

E503168-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID	83.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
Surrogate: n-Nonane	90.2 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W7-8"

E503168-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512123	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512123	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.1 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2512127	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
		89.6 %	61-141	03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512125	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W8-8"

E503168-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.5 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	90.5 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W9-8"

E503168-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	91.4 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W10-8"

E503168-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512123	
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.7 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2512123	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2512127	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
	93.7 %	61-141		03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2512125	
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W11-8"

E503168-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



Sample Data

Saptec-Eco, LLC
194 Larkspur Dr.
Albany GA, 31721

Project Name: Hardy 36 State #1 Battery Release
Project Number: 24066-0001
Project Manager: Tom Bynum

Reported:
3/21/2025 2:29:13PM

W12-8"

E503168-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/20/25	
Toluene	ND	0.0250	1	03/20/25	03/20/25	
o-Xylene	ND	0.0250	1	03/20/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	03/20/25	03/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
<i>Surrogate: n-Nonane</i>						
		94.3 %	61-141	03/20/25	03/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2512125
Chloride	ND	20.0	1	03/20/25	03/20/25	



QC Summary Data

Sapco-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512122-BLK1)

Prepared: 03/20/25 Analyzed: 03/20/25

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	8.07		8.00		101	70-130			

LCS (2512122-BS1)

Prepared: 03/20/25 Analyzed: 03/20/25

Benzene	5.52	0.0250	5.00		110	70-130			
Ethylbenzene	5.35	0.0250	5.00		107	70-130			
Toluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.36	0.0250	5.00		107	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

Matrix Spike (2512122-MS1)

Source: E503168-04

Prepared: 03/20/25 Analyzed: 03/20/25

Benzene	4.79	0.0250	5.00	ND	95.9	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.7	70-130			
Toluene	4.74	0.0250	5.00	ND	94.8	70-130			
o-Xylene	4.68	0.0250	5.00	ND	93.5	70-130			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

Matrix Spike Dup (2512122-MSD1)

Source: E503168-04

Prepared: 03/20/25 Analyzed: 03/20/25

Benzene	5.18	0.0250	5.00	ND	104	70-130	7.73	27	
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130	8.11	26	
Toluene	5.14	0.0250	5.00	ND	103	70-130	7.98	20	
o-Xylene	5.04	0.0250	5.00	ND	101	70-130	7.52	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	7.85	23	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	7.74	26	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



QC Summary Data

Sapco-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512123-BLK1)

Prepared: 03/20/25 Analyzed: 03/20/25

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	6.62		8.00		82.8	70-130			

LCS (2512123-BS1)

Prepared: 03/20/25 Analyzed: 03/20/25

Benzene	4.96	0.0250	5.00		99.2	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.89	0.0250	5.00		97.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.69	0.0500	10.0		96.9	70-130			
Total Xylenes	14.4	0.0250	15.0		96.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.71		8.00		83.8	70-130			

Matrix Spike (2512123-MS1)

Source: E503168-24

Prepared: 03/20/25 Analyzed: 03/20/25

Benzene	5.00	0.0250	5.00	ND	100	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.91	0.0250	5.00	ND	98.2	70-130			
o-Xylene	4.79	0.0250	5.00	ND	95.8	70-130			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			

Matrix Spike Dup (2512123-MSD1)

Source: E503168-24

Prepared: 03/20/25 Analyzed: 03/20/25

Benzene	5.05	0.0250	5.00	ND	101	70-130	1.06	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130	0.838	26	
Toluene	4.97	0.0250	5.00	ND	99.4	70-130	1.13	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130	0.627	25	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	70-130	0.758	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	70-130	0.715	26	
Surrogate: 4-Bromochlorobenzene-PID	6.88		8.00		86.0	70-130			



QC Summary Data

Sapco-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512122-BLK1) Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

LCS (2512122-BS2) Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike (2512122-MS2) Source: E503168-04 Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike Dup (2512122-MSD2) Source: E503168-04 Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.7	70-130	1.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			



QC Summary Data

Sapco-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512123-BLK1)

Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			

LCS (2512123-BS2)

Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

Matrix Spike (2512123-MS2)

Source: E503168-24 Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0	ND	79.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2512123-MSD2)

Source: E503168-24 Prepared: 03/20/25 Analyzed: 03/20/25

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	ND	81.3	70-130	1.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			



QC Summary Data

Sapco-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512126-BLK1)

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.9	61-141			

LCS (2512126-BS1)

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	247	25.0	250		98.8	66-144			
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.4	61-141			

Matrix Spike (2512126-MS1)

Source: E503168-18

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: <i>n</i> -Nonane	48.0		50.0		96.1	61-141			

Matrix Spike Dup (2512126-MSD1)

Source: E503168-18

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	56-156	0.592	20	
Surrogate: <i>n</i> -Nonane	48.9		50.0		97.8	61-141			



QC Summary Data

Sapco-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512127-BLK1)

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.2	61-141			

LCS (2512127-BS1)

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.7	61-141			

Matrix Spike (2512127-MS1)

Source: E503170-29

Prepared: 03/20/25 Analyzed: 03/20/25

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	61-141			

Matrix Spike Dup (2512127-MSD1)

Source: E503170-29

Prepared: 03/20/25 Analyzed: 03/21/25

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	0.215	20	
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	61-141			



QC Summary Data

Saptec-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

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 (2512124-BLK1)					Prepared: 03/20/25 Analyzed: 03/20/25				
Chloride	ND	20.0							
LCS (2512124-BS1)					Prepared: 03/20/25 Analyzed: 03/20/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2512124-MS1)					Source: E503168-05		Prepared: 03/20/25 Analyzed: 03/20/25		
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2512124-MSD1)					Source: E503168-05		Prepared: 03/20/25 Analyzed: 03/20/25		
Chloride	270	20.0	250	ND	108	80-120	1.71	20	



QC Summary Data

Saptec-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	Reported:
194 Larkspur Dr.	Project Number:	24066-0001	
Albany GA, 31721	Project Manager:	Tom Bynum	3/21/2025 2:29:13PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512125-BLK1)					Prepared: 03/20/25 Analyzed: 03/20/25				
Chloride	ND	20.0							
LCS (2512125-BS1)					Prepared: 03/20/25 Analyzed: 03/20/25				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2512125-MS1)					Source: E503168-25		Prepared: 03/20/25 Analyzed: 03/20/25		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2512125-MSD1)					Source: E503168-25		Prepared: 03/20/25 Analyzed: 03/20/25		
Chloride	264	20.0	250	ND	106	80-120	0.514	20	

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



Definitions and Notes

Saptec-Eco, LLC	Project Name:	Hardy 36 State #1 Battery Release	
194 Larkspur Dr.	Project Number:	24066-0001	Reported:
Albany GA, 31721	Project Manager:	Tom Bynum	03/21/25 14:29

- 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 3

Client: Sapec-Eco, LLC					Bill To		Lab Use Only				TAT				EPA Program						
Project: Hardy 36 State #1 Battery Release					Attention: Maverick Permian		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Tom Bynum					Address:		E503 168		24066-0001		X										
Address: 311 N Elm St					City, State, Zip		Analysis and Method											RCRA			
City, State, Zip: Temple, OK, 73568					Phone:												State				
Phone: (580) 748-1613					Email:												NM	CO	UT	AZ	TX
Email: tobynum@sapec-eco.com					Project # 4-18 (nAPP2502728742)												X				
Report due by:																	Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX							
630 ^A	3/18	S	1	1-8"	1								X								
638 ^A	3/18	S	1	2-8"	2								X								
647 ^A	3/18	S	1	3-8"	3								X								
653 ^A	3/18	S	1	4-8"	4								X								
701 ^A	3/18	S	1	5-8"	5								X								
708 ^A	3/18	S	1	6-8"	6								X								
714 ^A	3/18	S	1	7-8"	7								X								
721 ^A	3/18	S	1	8-8"	8								X								
729 ^A	3/18	S	1	9-8"	9								X								
736 ^A	3/18	S	1	10-8"	10								X								

Additional Instructions: Bill to Maverick Permian...if not, bill to Sapec-Eco, LLC. [Maverick Billing - AFE00000005359]

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time	Lab Use Only	
<i>[Signature]</i>		3/19/25	740A	<i>Michelle Gonzales</i>		3-19-25	0740		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>Y</u> / N	
<i>Michelle Gonzales</i>		3-19-25	1545	<i>Richard Gonzales</i>		3-19-25	1545	T1 _____ T2 _____ T3 _____	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>	
<i>Richard Gonzales</i>		3-19-25	2145	<i>Michelle Gonzales</i>		3-20-25	0430		

Sample Matrix: S - Soil, SS - Solid, SL - Liquid, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



Project Information					Chain of Custody					Page <u>3</u> of <u>3</u>																								
Client: Sapec-Eco, LLC					Bill To					Lab Use Only					TAT					EPA Program														
Project: Hardy 36 State #1 Battery Release					Attention: Maverick Permian					Lab WO#					Job Number					1D 2D 3D Standard					CWA SDWA									
Project Manager: Tom Bynum					Address:					E 503168 24046-0001					X																			
Address: 311 N Elm St					City, State, Zip					Analysis and Method															RCRA									
City, State, Zip: Temple, OK, 73568					Phone:																													
Phone: (580) 748-1613					Email:																													
Email: tombynum@sapec-eco.com					Project # 4-18 (nAPP2502728742)																													
Report due by:																																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks																				
902 ⁺	3/18	S	1	W3-8"	21							X																						
911 ⁺	3/18	S	1	W4-8"	22							X																						
918 ⁺	3/18	S	1	W5-8"	23							X																						
926 ⁺	3/18	S	1	W6-8"	24							X																						
934 ⁺	3/18	S	1	W7-8"	25							X																						
941 ⁺	3/18	S	1	W8-8"	26							X																						
949 ⁺	3/18	S	1	W9-8"	27							X																						
956 ⁺	3/18	S	1	W10-8"	28							X																						
1005 ⁺	3/18	S	1	W11-8"	29							X																						
1012 ⁺	3/18	S	1	W12-8"	30							X																						
Additional Instructions: Bill to Maverick Permian...if not, bill to Sapec-Eco, LLC. [Maverick Billing - AFE000000005359]																																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																								
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date					Time					Lab Use Only				
<i>[Signature]</i>					3/19/25					740A					<i>Michelle Gonzales</i>					3-19-25					0740					Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N				
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date					Time					T1 T2 T3				
<i>Michelle Gonzales</i>					3-19-25					1545					<i>Richard Gonzalez</i>					3-19-25					1545					AVG Temp °C <u>4</u>				
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date					Time									
<i>Richard Gonzalez</i>					3-19-25					2145					<i>Michelle R. Hall</i>					3-20-25					0430									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																		

Envirotech Analytical Laboratory

Printed: 3/20/2025 10:21:08AM

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:	Sapec-Eco, LLC	Date Received:	03/20/25 04:30	Work Order ID:	E503168
Phone:	(580) 748-1613	Date Logged In:	03/19/25 14:33	Logged In By:	Caitlin Mars
Email:	tombynum@sapec-eco.com	Due Date:	03/20/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampled by not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

General Information
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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 446424

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502728742
Incident Name	NAPP2502728742 HARDY 36 STATE 1 BATTERY RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2212327114] HARDY 36 STATE BATTERY

Location of Release Source*Please answer all the questions in this group.*

Site Name	Hardy 36 State 1 Battery Release
Date Release Discovered	01/23/2025
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 Flow Line - Production Produced Water Released: 20 BBL Recovered: 10 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 446424

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 01/27/2025
--	--

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QUESTIONS, Page 3

Action 446424

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	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	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	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	27.4
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	03/13/2025
On what date will (or did) the final sampling or liner inspection occur	03/18/2025
On what date will (or was) the remediation complete(d)	03/25/2025
What is the estimated surface area (in square feet) that will be reclaimed	3599
What is the estimated volume (in cubic yards) that will be reclaimed	100
What is the estimated surface area (in square feet) that will be remediated	3599
What is the estimated volume (in cubic yards) that will be remediated	100

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 446424

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 03/27/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 446424

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	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, Page 6

Action 446424

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	442085
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	3599

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	3599
What was the total volume (cubic yards) remediated	100
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	3599
What was the total volume (in cubic yards) reclaimed	100
Summarize any additional remediation activities not included by answers (above)	Depth to groundwater does not meet age/distance requirements, therefore remediation criteria were based on groundwater depth of less than 50 feet.
<i>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>	
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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 03/27/2025

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QUESTIONS, Page 7

Action 446424

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 446424

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 446424
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2502728742 HARDY 36 STATE 1 BATTERY RELEASE, thank you. This Remediation Closure Report is approved.	3/28/2025