PREPARED BY SAPEC-ECO, LLC.
PREPARED FOR MAVERICK PERMIAN, LLC.

Proposed Sampling and Remediation Work Plan

EAST VACUUM (GSA) UNIT #004

nJXK1528944722

April 11, 2025

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

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

Re: Proposed Sampling and Remediation Work Plan
NMOCD Incident Number: ***nJXK1528944722***
East Vacuum (GSA) Unit #004 API No. 30-025-02979
Unit F, Section 32, Township 17S, Range 35E 1980 FNL 1980 FWL Lea County, NM
GPS Coordinates: Latitude 32.7933311 Longitude -103.4820251 NAD83

Sapec-Eco (Sapec) has been contracted by Maverick Permian, LLC. (Maverick) to review and research this historic incident then prepare this proposed sampling and remediation work plan for a crude oil release that occurred at the East Vacuum (GSA) Unit #004 (Site). This incident was assigned Incident ID nJXK1528944722 by the New Mexico Oil Conservation Division (NMOCD).

Release Information – nJXK1528944722

The initial Form C-141 was submitted on October 16, 2015 (Appendix A) and stated that "On Oct. 15, 2015 at 1400 hrs MDT a flow line leak occurred at the EVGSAU 3236-004, which released 8 BPW and 10 BO with 4 BPW and 4 BO recovered. Spill area is approximately 75'x75' with a depth of 2" in pasture area and will be remediated according to NMOCD and COPC guidelines. Immediate action by the MSO was to shut down the well and isolate the flowline. A work ordered has been submitted to repair the line. The affected area will be remediated according to NMOCD guidelines." This initial Form C-141 was approved by the NMOCD the same day.

Site Characterization

This Site is in Lea County, NM, approximately twelve (12) miles southwest of Lovington, NM. The wellhead is in Unit F, Section 32, Township 17S, Range 35E, at 32.7933311 degrees latitude and -103.4820251 degrees longitude. The release area however, is located in Unit K, Section 33, Township 17S, Range 35E with the northernmost GPS coordinates being 32.790889, -103.480361. A Location Map is included for reference in Figure 5.

The New Mexico Bureau of Geology and Mineral Resources shows the geology at this Site includes Ogallala Formation. Alluvial and eolian deposits, and petrocalcic soils of the southern High Plains. Locally includes Qoa. A Geologic Unit Map can be found in Appendix C.

The soil type present at the Site is Kimbrough-Lea complex, dry, 0 to 3 percent slopes. The drainage class is well drained. Soil type information is according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The Soil Survey and a Soil Map can be referenced in Appendix C. Reference Figure 4 for a Topographic Map.

The Site resides in a low karst zone and is approximately 25.36 miles away from the nearest medium karst zone. Figure 3 refers to the Karst Map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 85 feet below grade surface (bgs). This information is recorded by L-04829-S which is situated approximately 0.37 miles away from the Site. This information is from 1979. The United States Geological Survey (USGS) offers the site USGS 324746103272801 17S.35E.33.2241413 which shows depth to the nearest groundwater is 82 feet bgs. The latest gauge of this site was conducted in 1991, and it is located approximately 0.5 miles from the Site.

The nearest surface water feature is an Unnamed Pond, and it is located approximately 1.75 miles to the northwest. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Emergent Wetland approximately 0.22 miles west. According to Fema's National Flood Hazard Layer search, the Site is situated in Zone D – Area of Undetermined Flood Hazard and is greater than 5 miles away from the nearest flood hazard zone. See Appendix B for referenced Water Surveys and Water-Related Maps.

Readily available data were reviewed to determine if the Site lies within biologically sensitive areas. The U.S. Fish and Wildlife Services (USFWS) Information for Planning and Consultation (IPaC) and the New Mexico Department of Game and Fish (NMDGF) Environmental Review Tool (ERT) were queried to determine if sensitive wildlife or plant areas are present

at the Site. The Site is not identified to be within biologically sensitive areas where remediation/reclamation would impact sensitive plant or wildlife habitats. A Special Status Plant/Wildlife Map is included in Figure 2.

The remediation area at the Site is in previously disturbed and undisturbed areas developed for oil and gas extraction; therefore, a cultural resource survey will be required in the pasture area at the Site for planned remediation activities. The requirements of the Cultural Properties Protection (CCP) Rule will be followed.

Assessment and Delineation Activities

"Basin personnel were on site to assess the release January 27th, 2016. The release was mapped and photographed (Figure 1). On August 10th, 2016 Field samples were collected at surface and taken with depth and representative samples were sent to a commercial laboratory for analysis (Appendix B). Photo Documentation of these activities may be found in Appendix C."

On August 23, 2016, ConocoPhillips submitted a Corrective Action Plan for this incident. This plan was approved by the NMOCD on August 24, 2016. On October 15, 2020, ConocoPhillips submitted a Closure Letter Report for this incident. This report was denied by the NMOCD on April 18, 2023. This documentation is available for reference in Appendix E.

Proposed Sampling & Remediation Activities

In response to the previously denied Closure Letter Report, Maverick would like to propose the following:

- The area of concern measures approximately 3,023 square feet and is entirely in the pasture. Previously, remediation activities addressed a 6,698 square foot area in the pasture that encompassed this area of concern. The completion of these activities are evident in the Google Earth image from February 2017 (Figure 6).
- Collect discrete samples from within and around the edges of the release area to evaluate the presence of contaminants. Seventy-five (75) samples will be collected from 15 different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Thirty (30) samples will be collected from 6 different sample points around the edges of the release area from depths of surface, 1', 2', 3', and 4' bgs.
- All samples will be put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories where they will be analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC.
- A 48-hour sampling notification will be issued to the NMOCD for these sampling events. A variance request is included below for permission to use the delineation samples as confirmations samples depending on the sample results of the soil. A Proposed Sample Map referencing the release area and the previously remediated area can be found in Figure 1.
- If any samples do not verify delineation, then the "step-out" method will be used for horizontal delineation samples until sample results can confirm delineation. Also, for vertical delineation samples, any samples not verifying delineation will be advanced deeper until sample results can confirm delineation.
- Sample results that are over the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 will be measured for total area and affected volume then removed via mechanical excavation means. The contaminated soil will be hauled to an NMOCD-approved disposal facility and clean, like material will be brought to the Site for backfilling the excavated area. Ensuring the top layer will be topsoil suitable for seeding.
- Once all sample results confirm delineation is complete, and contamination isn't present or has been removed, a remediation closure report will be drafted and submitted to the NMOCD Pay Portal for review/approval.

Variance Request

Maverick would like to respectfully request to use the delineation samples as confirmation samples in the event the laboratory samples results confirm that no contamination is present at any or all of the sample points. Maverick will diligently remediate all contaminants found that have reported results being over the regulatory limits of the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Chlorides should be no more than 600 mg/kg. TPH (GRO+DRO+ORO) should be no more than 100 mg/kg. BTEX should be no more than 50 mg/kg. Benzene should be no more than 10 mg/kg.

Once official verification is received that contaminants are not present, or have been successfully removed from all areas within and around the Site, a remediation closure report will be drafted and submitted for approval.

Request for Proposed Sampling & Remediation Work Plan Approval

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Maverick requests that this proposed sampling & remediation work plan for incident ID nJXK1528944722 be approved. All rules and regulations set forth in 19.15.29.12 NMAC have been complied with.

For questions or additional information, please reach out to:
Maverick Permian – Bryce Wagoner – Bryce.Wagoner@mavresources.com – (928) 241-1862
Sapec-Eco, LLC – Tom Bynum – tombynum@sapec-eco.com – (580) 748-1613

Attachments

Figures:

1- Proposed Sample Map
2- Special Status Plant/Wildlife Map
3- Karst Map
4- Topographic Map
5- Location Map
6- February 2017 Image

Appendices:

Appendix A – Initial Form C-141
Appendix B – Water Surveys & Water-Related Maps
Appendix C – Soil Surveys, Soil Map, & Geologic Unit Map
Appendix D – Photographic Documentation
Appendix E – Corrective Action Plan & Closure Letter Report

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Figures:

Proposed Sample Map

Special Status Plant/Wildlife Map

Karst Map

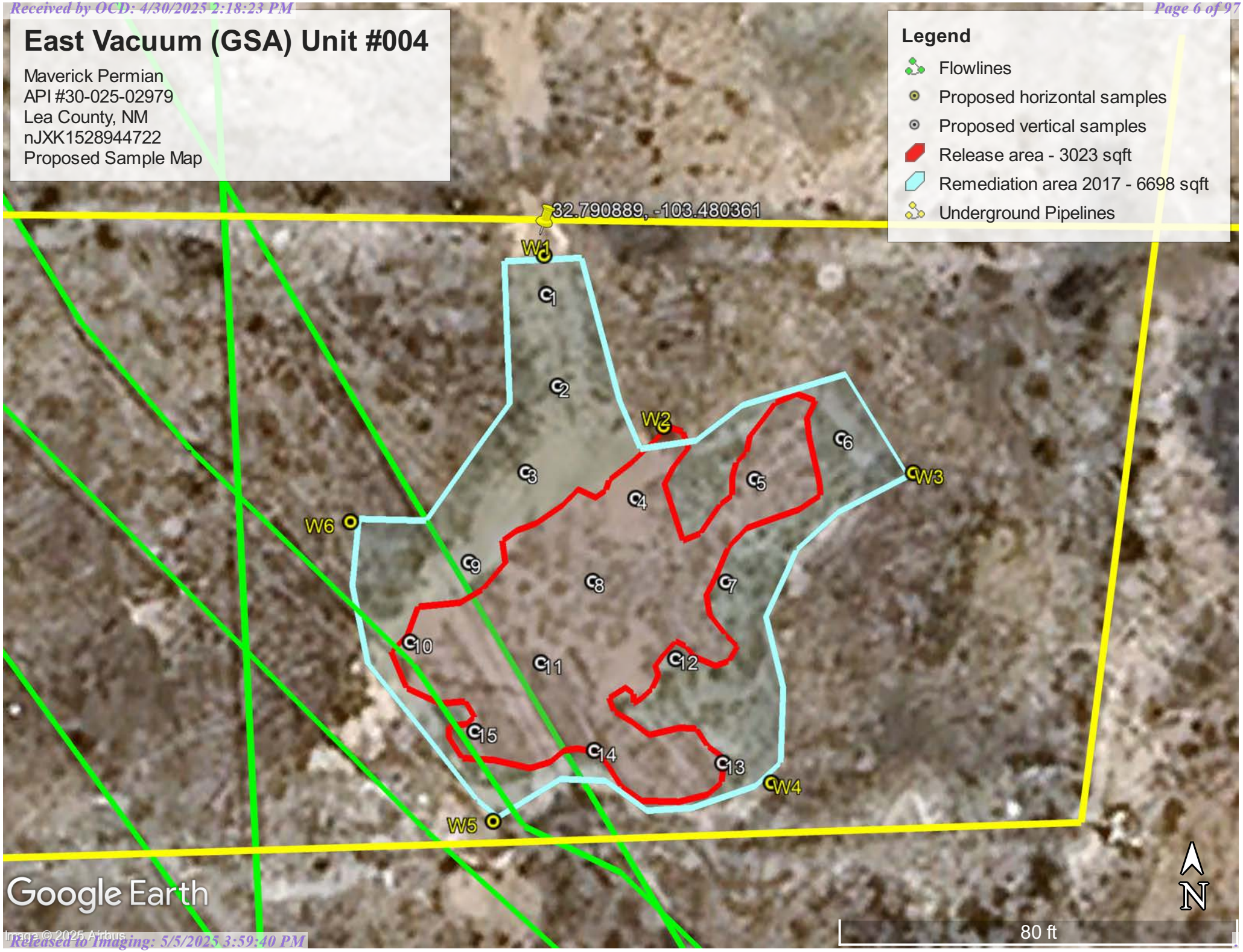
Topographic Map

Location Map

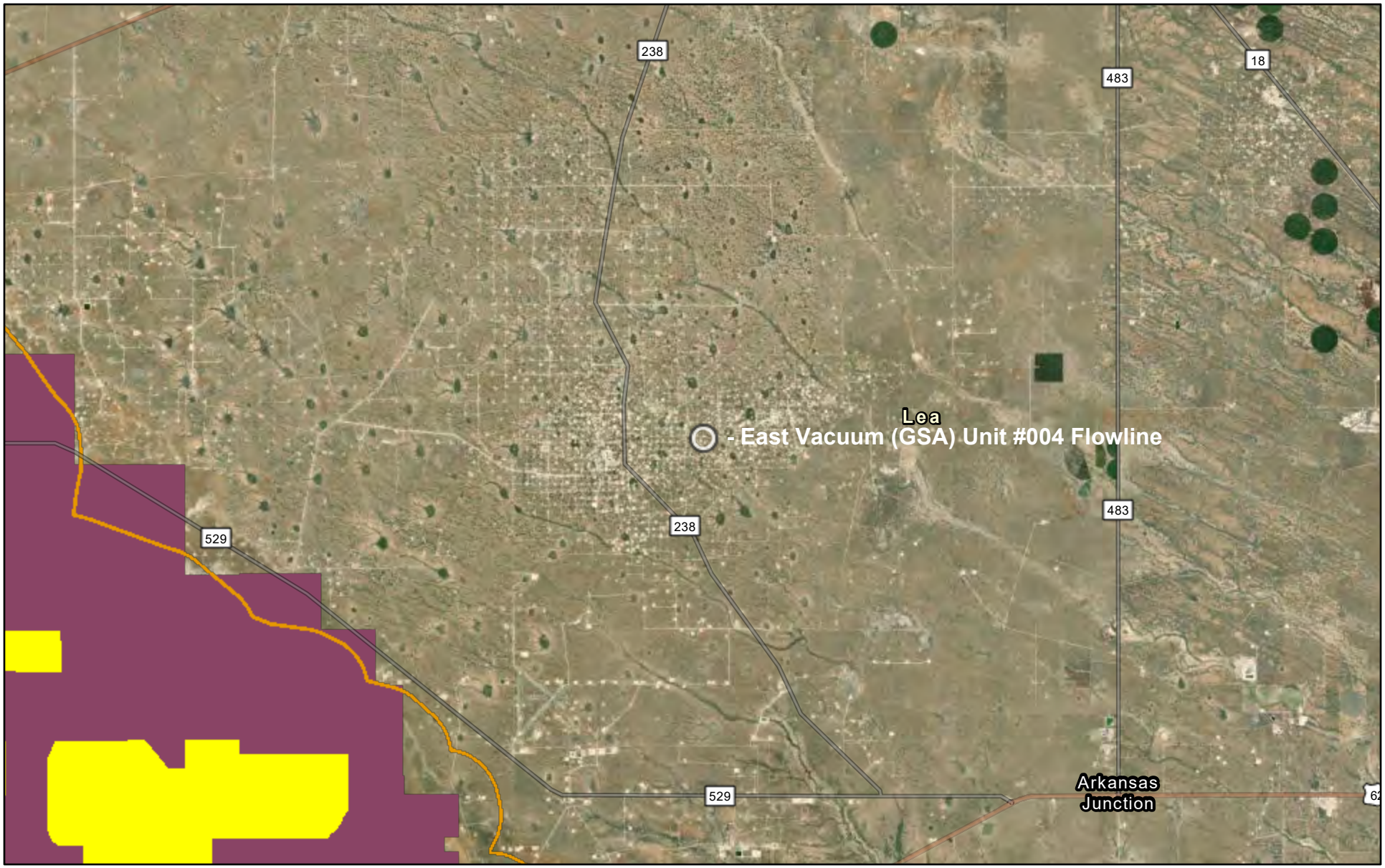
February 2017 Image

East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
Proposed Sample Map



Special Status Plant/Wildlife Map



4/8/2025

1:188,288

0 1.25 2.5 5 mi

0 2 4 8 km

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

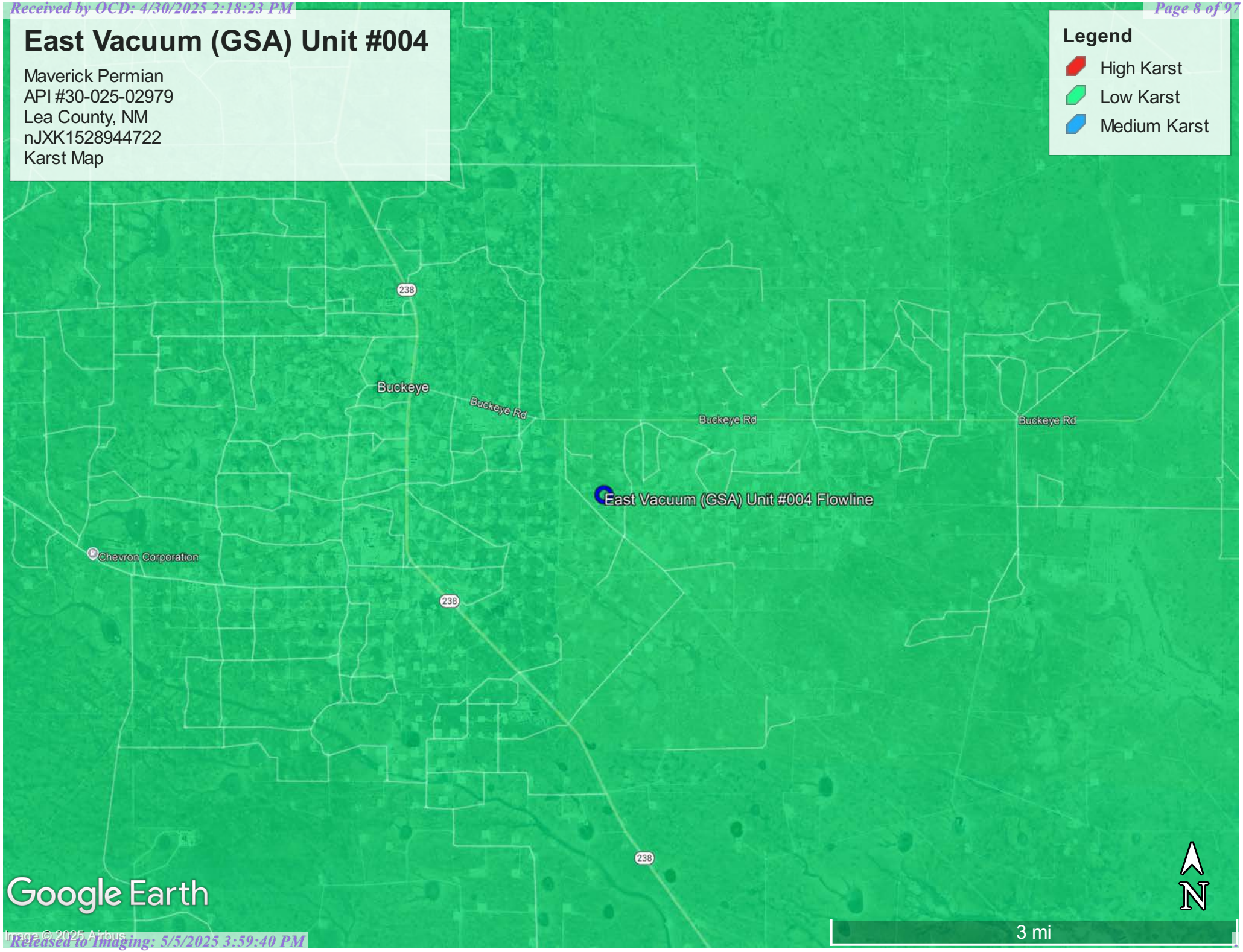
Citations

38m Resolution Metadata

Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
Karst Map

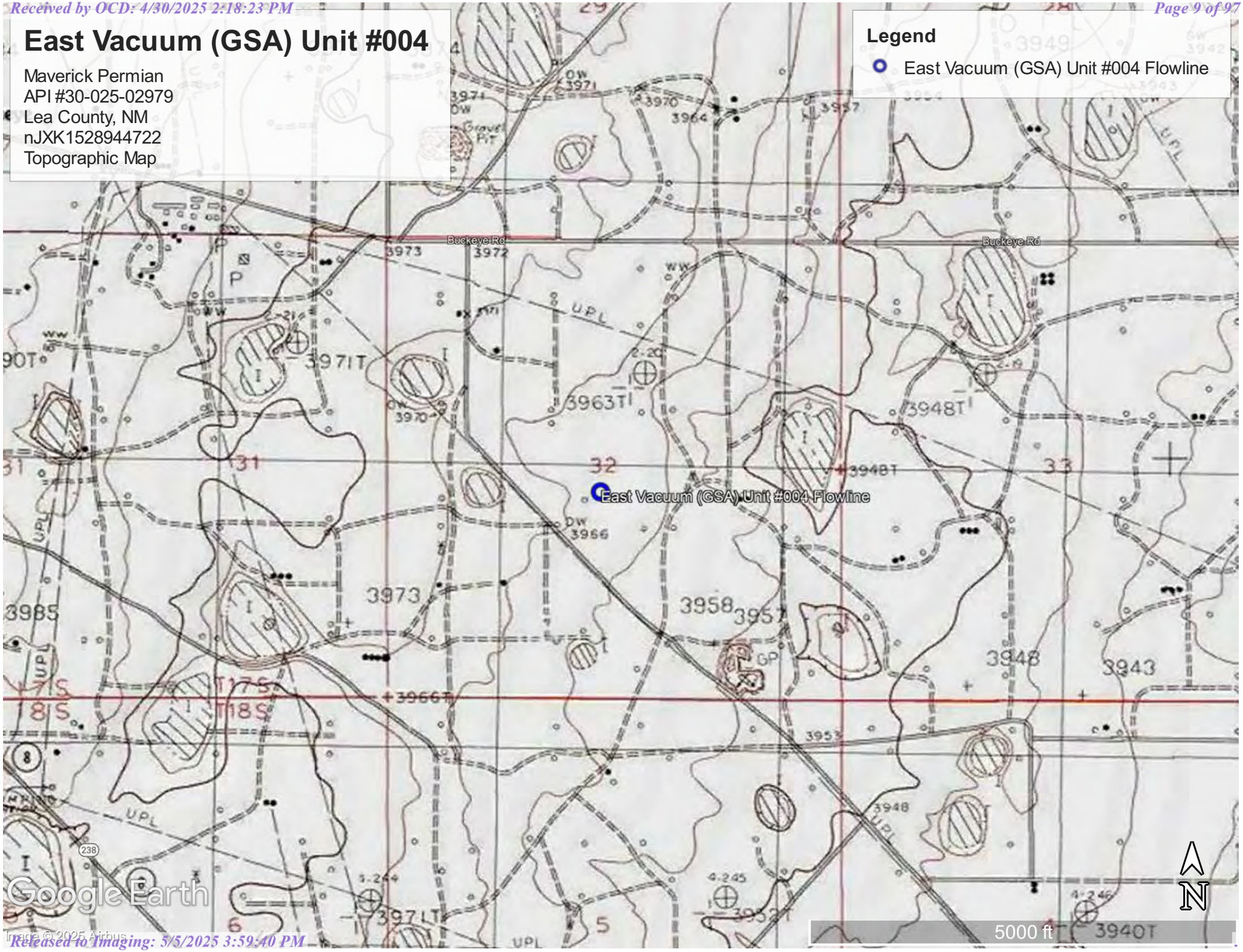


East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
Topographic Map

Legend

East Vacuum (GSA) Unit #004 Flowline

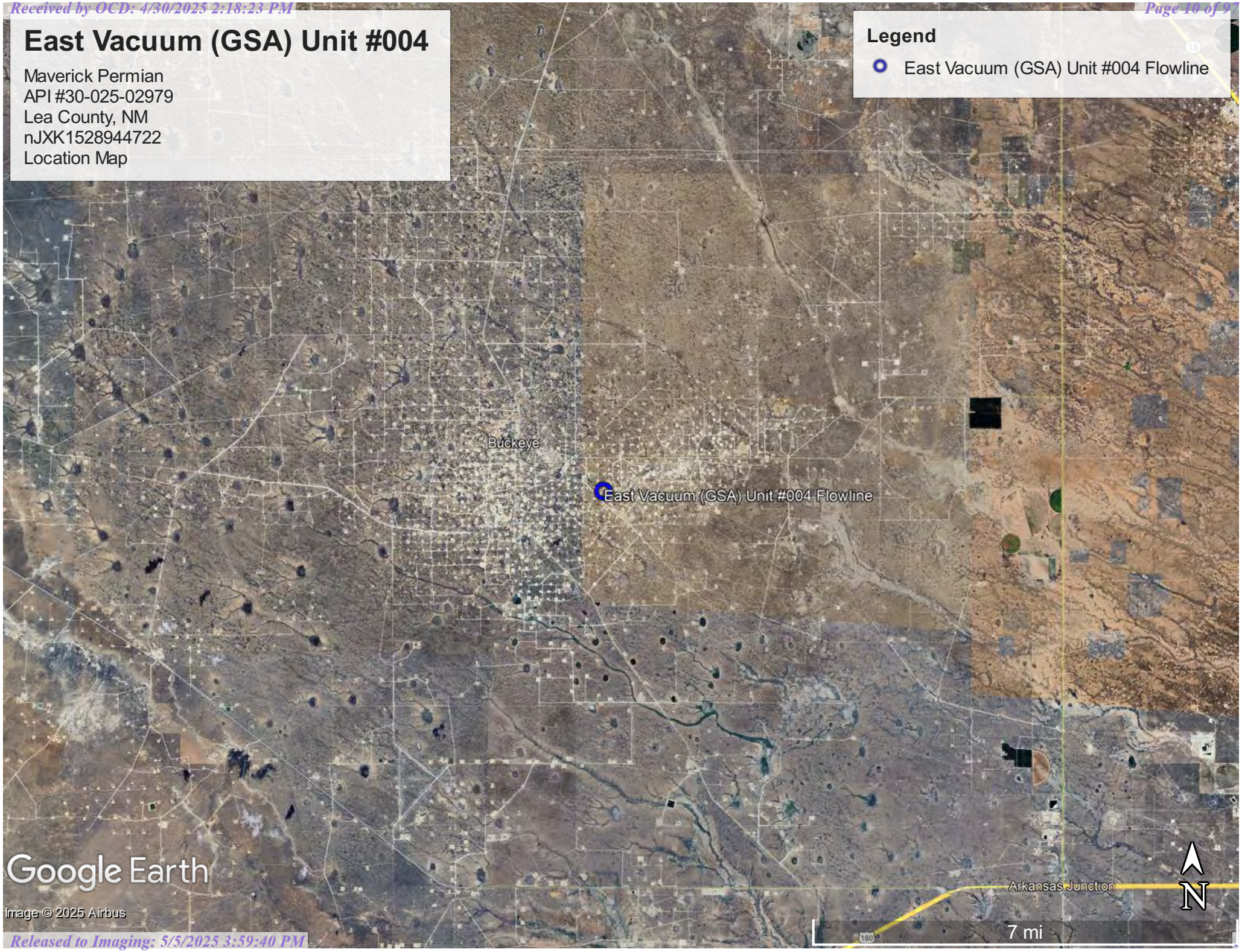


East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
Location Map

Legend

East Vacuum (GSA) Unit #004 Flowline



East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
February 2017 Image

Legend

32.790889, -103.480361

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Appendix A

Initial Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **ConocoPhillips**	Contact: **Spencer Cluff**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-746-7248**
Facility Name: **EVGSAU 3236-004**	Facility Type: **Well**

Surface Owner: NMOCD	Mineral Owner: NMOCD	API No. 30-025-02979

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	32	17S	35E	1980	North	1980	West	**LEA**

Latitude 32.7933311 **Longitude** 103.4820251 NAD83

NATURE OF RELEASE

Type of Release: **Spill**	Volume of Release: 19 BBLS	Volume Recovered: 8 BBLS
Source of Release: Flow line	Date and Hour of Occurrence 10/15/2015 12:00 am	Date and Hour of Discovery 10/15/2015 2:00 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jamie Keyes**	
By Whom? **Spencer Cluff**	Date and Hour: 10**/16/2015 9:20 am**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By JKeyes at 12:30 pm, Oct 16, 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On Oct. 15, 2015 at 1400 hrs MDT a flow line leak occurred at the EVGSAU 3236-004, which released 8 BPW and 10 BO with 4 BPW and 4 BO recovered. Spill area is approximately 75'x75' with a depth of 2" in pasture area and will be remediated according to NMOCD and COPC guidelines.

Describe Area Affected and Cleanup Action Taken.*

Immediate action by the MSO was to shut down the well and isolate the flowline. A work ordered has been submitted to repair the line. The affected area will be remediated according to NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: *Spencer A. Cluff*

Printed Name: Spencer A. Cluff

Title: LEAD HSE

E-mail Address: ***spencer.a.cluff@conocophillips.com***

Date: 10/16/2015 Phone:575-746-7248

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Jamie Keyes

Approval Date: 10/16/2015 Expiration Date: 12/16/2015

Conditions of Approval:
Discrete site samples required. Delineate and remediate per NMOCD guidelines.
Geotagged photos of remediation required.

Attached ☐
1RP 3923

* Attach Additional Sheets If Necessary

pJXK1528944902
nJXK1528944722

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Appendix B

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
L 04829 S		L	LE		SW	SE	32	17S	35E	642554.0	3628586.0 *		597	198	85	113
L 04931		L	LE		NW	NE	05	18S	35E	642561.0	3628183.0 *		979	237	70	167
L 04829 S5		L	LE		SW	NW	33	17S	35E	643347.0	3629400.0 *		1081	220	90	130
L 14183 POD2		L	LE	SW	NE	NE	31	17S	35E	641304.0	3629691.0		1144	227	105	122
L 14183 POD1		L	LE	SW	NE	NE	31	17S	35E	641266.4	3629667.1		1166	229	106	123
L 14183 POD3		L	LE	SW	NE	NE	31	17S	35E	641213.2	3629731.0		1243	227	104	123
L 03875 S2	R	L	LE			NE	31	17S	35E	641131.0	3629576.0 *		1252	120	95	25
L 03875 S4		L	LE			NE	31	17S	35E	641131.0	3629576.0 *		1252	120		
L 04631		L	LE	NE	NW	NW	04	18S	35E	643465.0	3628292.0 *		1433	140	60	80
L 04880		L	LE		NE	SW	33	17S	35E	643757.0	3629002.0 *		1462	145	90	55
L 04829 S4		L	LE		NE	SW	29	17S	35E	642121.0	3630598.0 *		1482	200	90	110
L 04591		L	LE		SE	NE	05	18S	35E	642970.0	3627785.0 *		1499	130	75	55

Average Depth to Water: **88 feet**

Minimum Depth: **60 feet**

Maximum Depth: **106 feet**

Record Count: 12

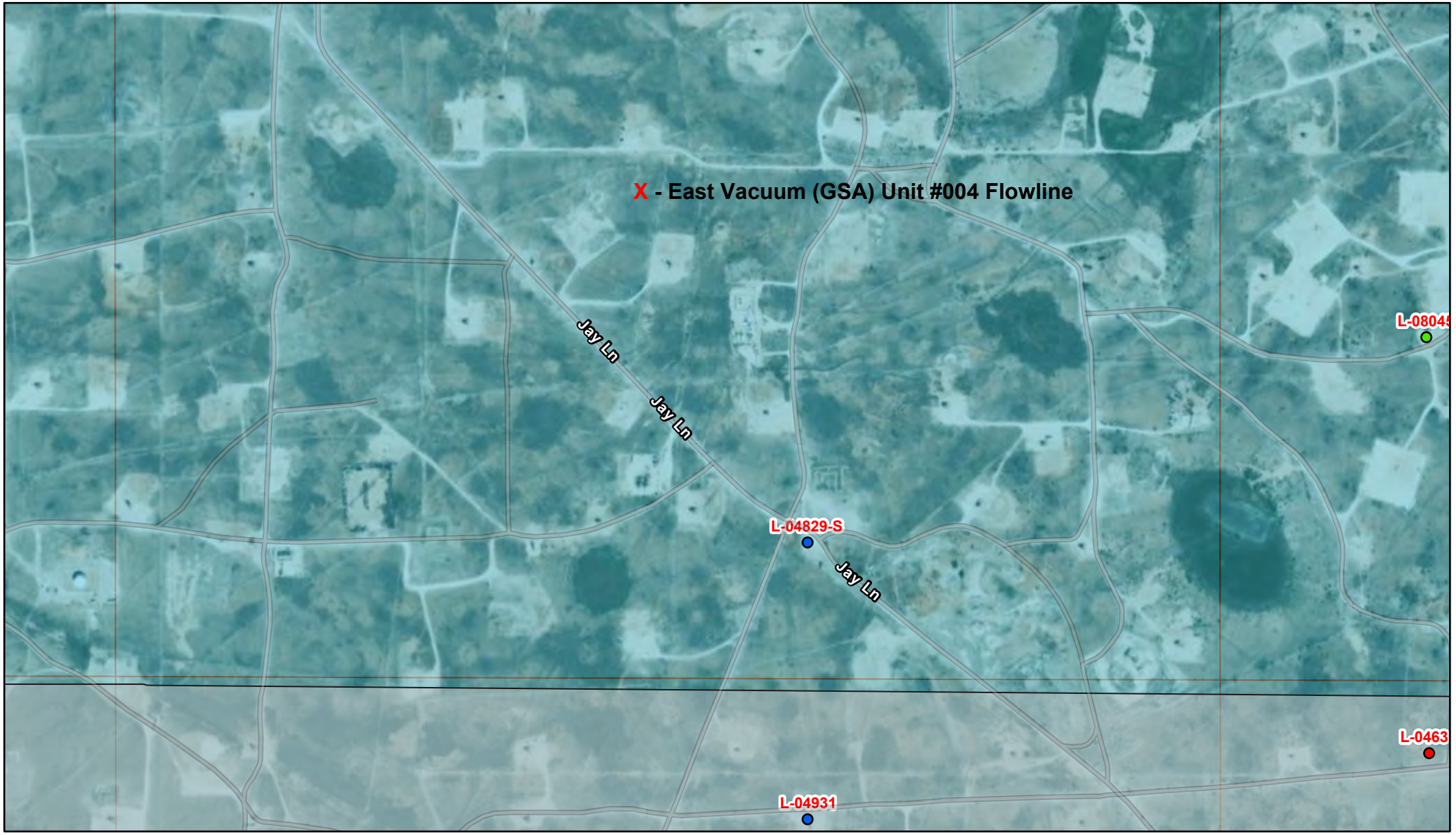
Basin/County Search:
County: LE

UTM Filters (in meters):
Easting: 642300.08
Northing: 3629126.81
Radius: 01500

*** 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



4/8/2025, 12:57:02 PM

GIS WATERS PODs
- Active
- Pending
- Plugged
- OSE District Boundary

Water Right Regulations
- Closure Area

New Mexico State Trust Lands
- Both Estates

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Online web user

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

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324740103282801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

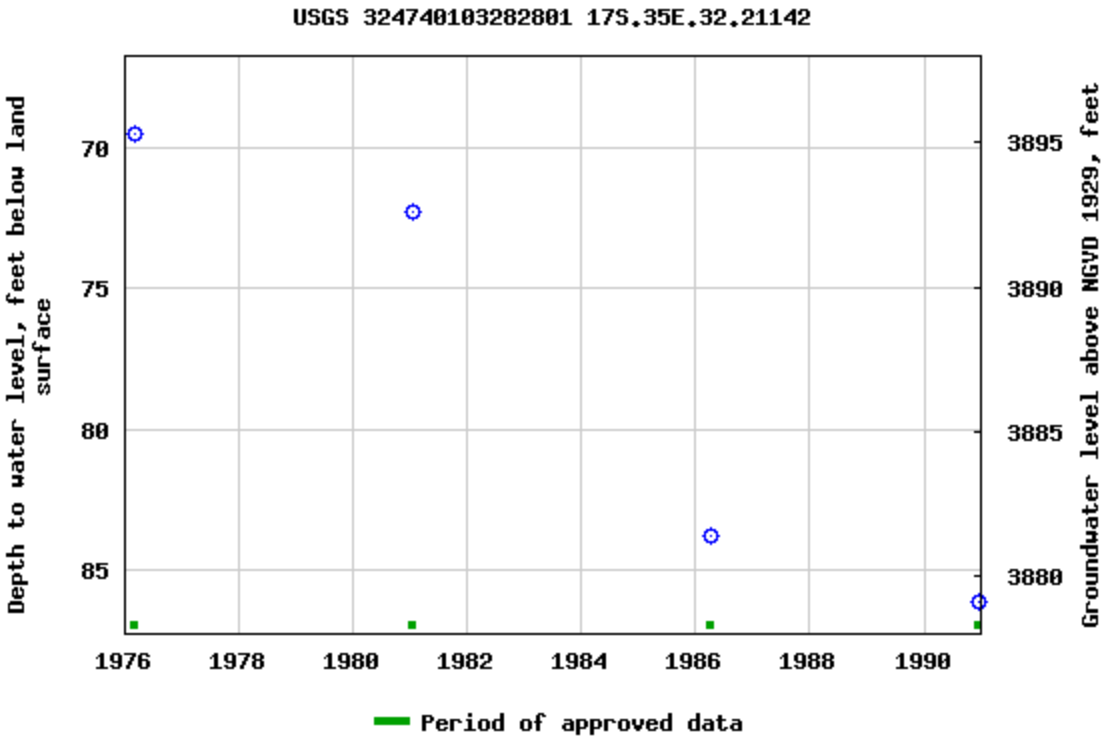
USGS 324740103282801 17S.35E.32.21142

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

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 32°47'51", Longitude 103°28'39" NAD27
Land-surface elevation 3,965.00 feet above NGVD29
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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



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

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

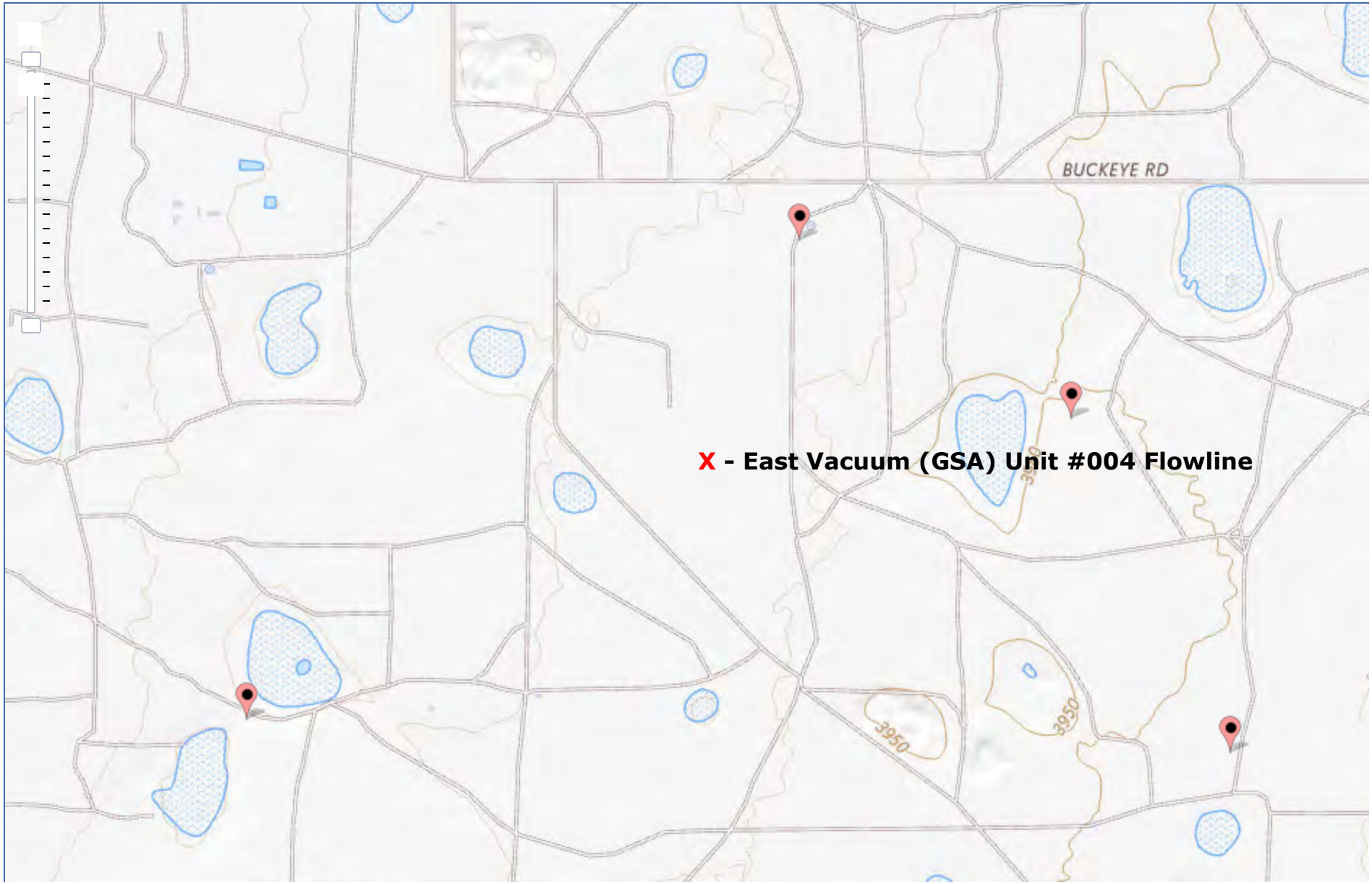
Accessibility FOIA Privacy Policies and Notices

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: 2025-04-08 14:00:11 EDT
0.71 0.54 nadww01

USGS science for a changing world

National Water Information System: Mapper

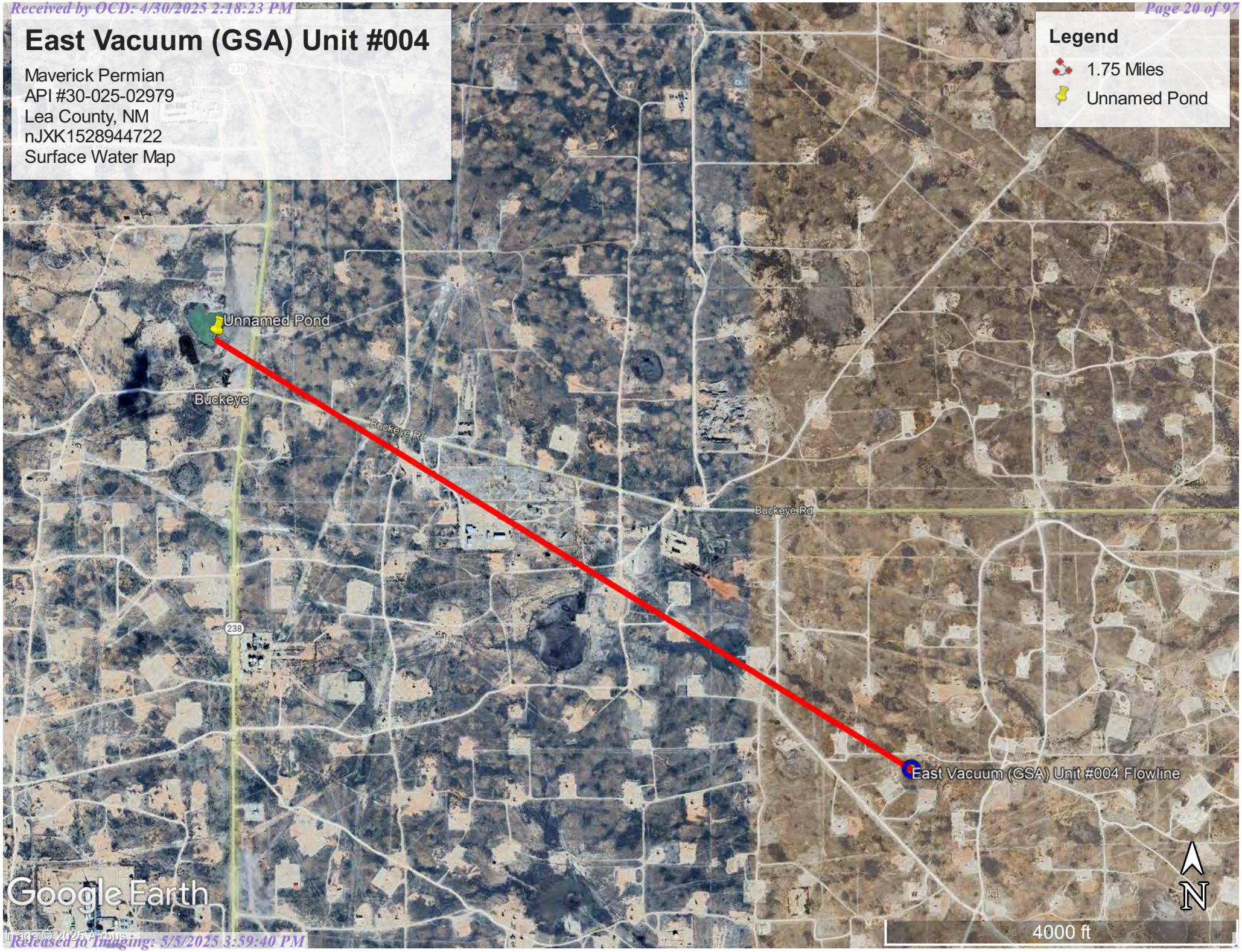


East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
Surface Water Map

Legend

- 1.75 Miles
- Unnamed Pond



U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

April 8, 2025

Wetlands

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

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

Received by OCD: 4/30/2025 2:18:23 PM

National Flood Hazard Layer FIRMette

FEMA

103°29'8"W 32°47'42"N

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

1:6,000

103°28'30"W 32°47'11"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/8/2025 at 6:02 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: 5/5/2025 3:39:40 PM

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Appendix C

Soil Surveys

Soil Map

Geologic Unit Map

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Kenhill

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

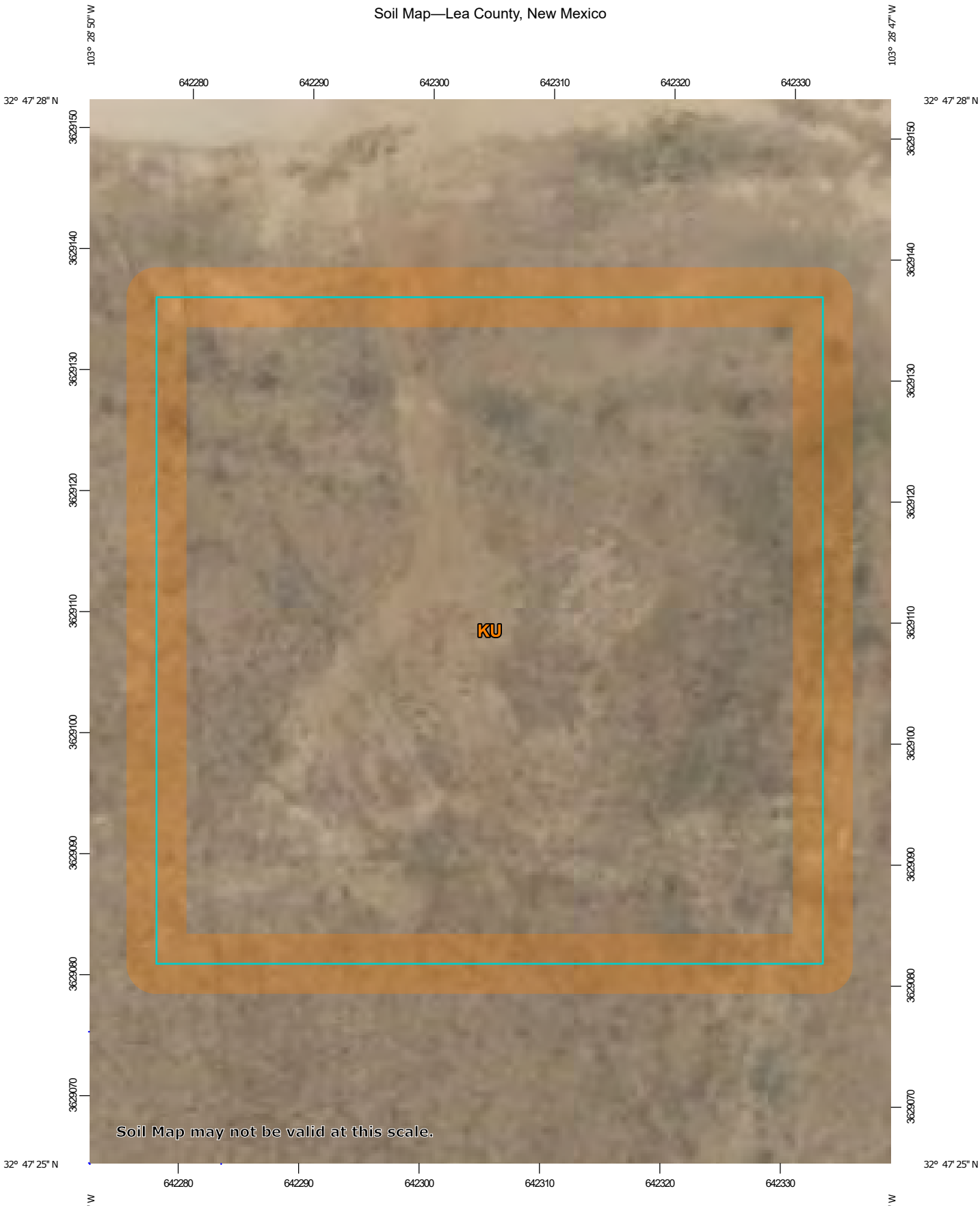
Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
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



Map Scale: 1:429 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 20 40 80 120

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

Released to Imaging: 5/5/2025 3:59:40 PM

Received by OCD: 4/30/2025 2:18:23 PM

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.

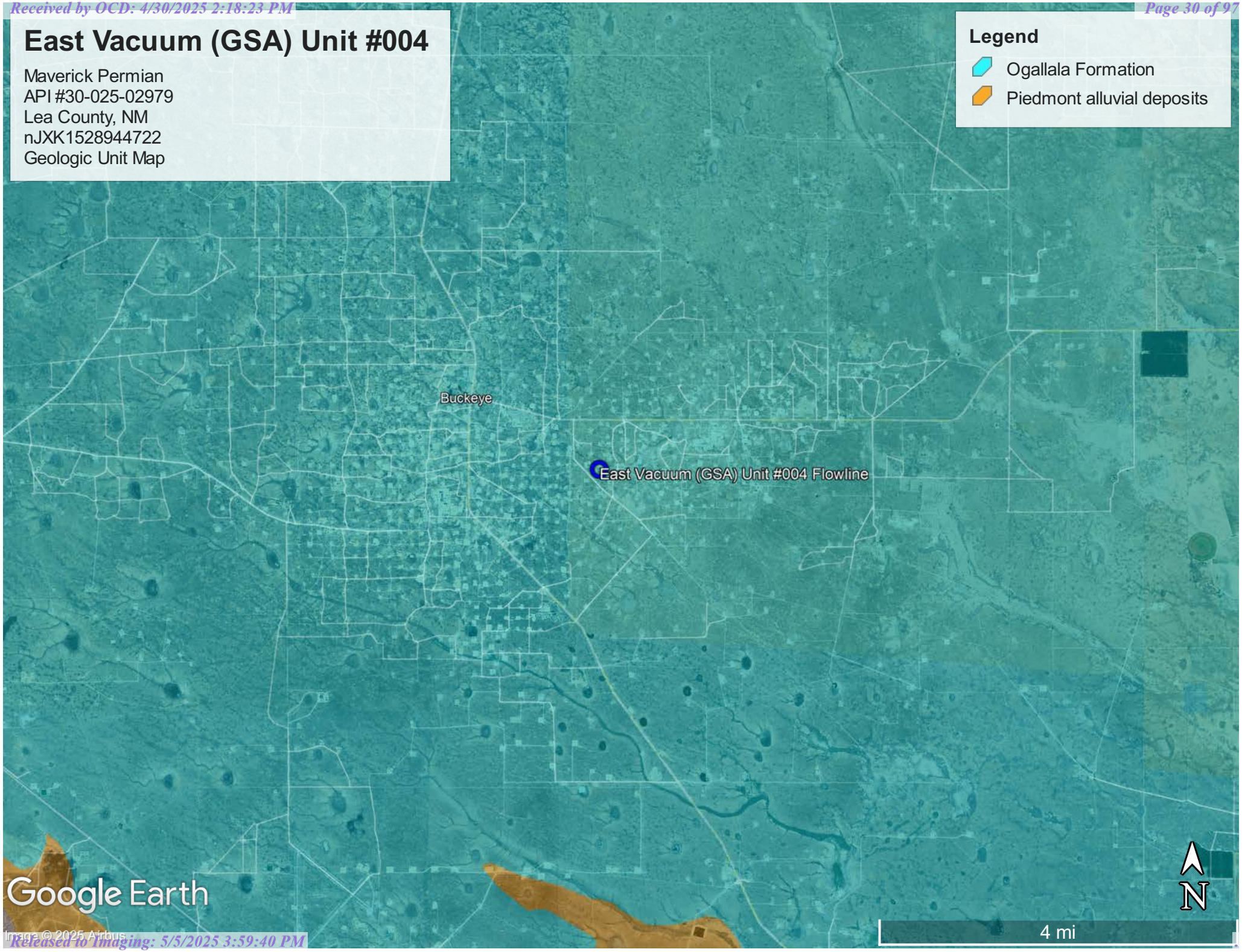
Released to Imaging: 5/5/2025 3:59:40 PM

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0.8	100.0%
Totals for Area of Interest		**0.8**	**100.0%**

East Vacuum (GSA) Unit #004

Maverick Permian
API #30-025-02979
Lea County, NM
nJXK1528944722
Geologic Unit Map



Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Appendix D

Photographic Documentation

Photographic Documentation
Maverick Permian, LLC
East Vacuum (GSA) Unit #004 – nJXK1528944722

Photographic Documentation
Maverick Permian, LLC
East Vacuum (GSA) Unit #004 – nJXK1528944722

Sapec-Eco
5846 E 21st Place
Tulsa, OK 74114

Appendix E

Corrective Action Plan

Closure Letter Report

Received by OCD: 4/30/2025 2:18:23 PM

RECEIVED
By JKeyes at 12:38 pm, Aug 24, 2016

APPROVED

2 Confirmation bottom samples to be taken as indicated on map.

CONOCOPHILLIPS
P.O. Box 2197
Houston, TX 77252-2197
Phone 281.293.1000

EVGSAU 3236-004

(1RP-3923)

Corrective Action Plan

API No. 30-025-02979

Release Date: October 15th, 2015

Unit Letter K, Section 32, Township 17S, Range 35E

Released to Imaging: 5/5/2025 3:59:40 PM

PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

August 23, 2016

Jamie Keyes
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

RE: **Corrective Action Plan**
ConocoPhillips EVGSAU 3236-004 (1RP-3923)
UL/K sec. 32 T17S R35E
API No. 30-025-02979

Mr. Keyes:

ConocoPhillips (CoP) has retained Basin Environmental Service Technologies to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 1.7 miles southeast of Buck Eye, New Mexico The initial C-141 states that the site is located at UL/F Sec. 32 T17S R35E. However, GIS mapping shows the site to be located within UL/K Sec. 32 T17S R35E. NM OSE, BLM and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 75 +/- feet.

On October 15th, 2015, CoP discovered a flow line leak. A total of 9 barrels produced water and 10 barrels of oil was released over 3,182 sq ft of pasture land. 4 barrels of produced water and 4 barrels of oil was recovered. NMOCD was notified of the release on October 16th, 2015, and an initial C-141 was submitted same day. NMOCD approved the initial C-141 on October 16th, 2015 (Appendix A).

Basin personnel were on site to assess the release January 27th, 2016. The release was mapped and photographed (Figure 1). On August 10th, 2016 Field samples were collected at surface and taken with depth and representative samples were sent to a commercial laboratory for analysis (Appendix B). Photo Documentation of these activities may be found in Appendix C.

Corrective Action Plan

Based on the assessment, the release area around vertical 1will be excavated to a depth of 2 feet bgs. The release area around vertical 2 will be excavated to a depth of 1.5 feet bgs. Once all excavations are complete, discreet wall samples from the excavation will be collected and field

tested for chlorides and organic vapors. If the field data indicates that the wall samples will not achieve chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) readings below regulatory standards, the walls of the excavation will be extended until field testing indicates that all constituents from the wall samples will return values below regulatory standards. The samples will then be taken to a commercial laboratory to confirm that all constituents return readings are below regulatory standards.

All excavated soil will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to serve as backfill. A sample of the backfill soil will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The lease pad will be backfilled with clean, imported caliche and the pasture will be backfilled with clean, imported top soil. The site will be contoured to the surrounding location.

Revegetation of the site will be performed as follows:

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful. The seed will be spread using a hand-held broadcaster and the area raked or dragged to cover the seed. Because the seed will be broadcast, the pounds per acre will be doubled. BLM #2 LPC seed mix will be used.

The seed mixture will be planted in the amounts specified in pounds of pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered. The area will be seeded following backfilling of the excavated area.

The site will be visited on a quarterly basis to assess the establishment of vegetative growth. Staff personnel performing the site visit will also look for the presence of noxious weeds at the site. If a noxious weed is observed at the site, CoP will determine the most effective manner to eradicate it.

Once these activities have been completed, a report will be sent to NMOCD and BLM requesting ‘remediation termination’ and site closure.
Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,

Kyle Norman
Project Lead
Basin Environmental Service Technologies
(575) 942-8542

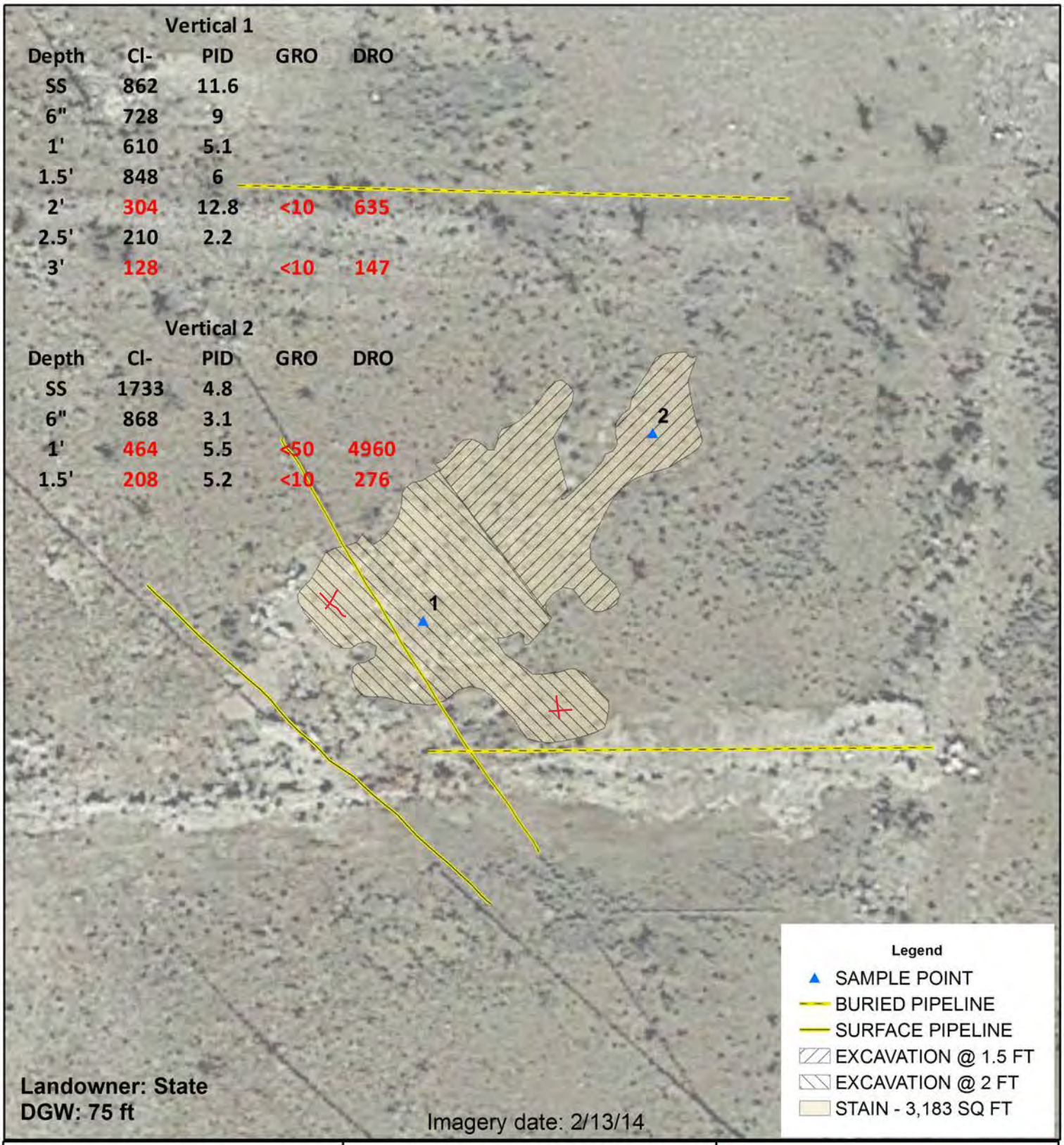
Attachments:

Figure 1 – Proposed Excavation
Appendix A – Initial C-141
Appendix B – Laboratory Analysis
Appendix C – Photo Documentation

Figures

Basin Environmental Service Technologies, LLC
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

Proposed Excavation



Basin Environmental Service Technologies
Effective Solutions

CONOCOPHILLIPS EVGSAU 3236-004

1RP-3923

UL K SECTION 32
T-17-S R-35-E
LEA COUNTY, NM

Underground facilities are spatially projected and need to be field verified.

GPS: 32.790675 -103.480333

0 10 20 Feet

GPS date: 1/27/16 JK, 8/10/16 KN
Drawing date: 8/15/16
Drafted by: T. Grieco

N W E S

Appendix A

Intial C-141

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **ConocoPhillips**	Contact: **Spencer Cluff**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-746-7248**
Facility Name: **EVGSAU 3236-004**	Facility Type: **Well**

Surface Owner: NMOCD	Mineral Owner: NMOCD	API No. 30-025-02979

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	32	17S	35E	1980	North	1980	West	**LEA**

Latitude 32.7933311 **Longitude** 103.4820251 NAD83

NATURE OF RELEASE

Type of Release: **Spill**	Volume of Release: 19 BBLS	Volume Recovered: 8 BBLS
Source of Release: Flow line	Date and Hour of Occurrence 10/15/2015 12:00 am	Date and Hour of Discovery 10/15/2015 2:00 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jamie Keyes**	
By Whom? **Spencer Cluff**	Date and Hour: **10/16/2015 9:20 am**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By JKeyes at 12:30 pm, Oct 16, 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On Oct. 15, 2015 at 1400 hrs MDT a flow line leak occurred at the EVGSAU 3236-004, which released 8 BPW and 10 BO with 4 BPW and 4 BO recovered. Spill area is approximately 75'x75' with a depth of 2" in pasture area and will be remediated according to NMOCD and COPC guidelines.

Describe Area Affected and Cleanup Action Taken.*

Immediate action by the MSO was to shut down the well and isolate the flowline. A work ordered has been submitted to repair the line. The affected area will be remediated according to NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: *Spencer A. Cluff*	OIL CONSERVATION DIVISION	
Printed Name: Spencer A. Cluff	Approved by Environmental Specialist: *Jamie Keyes*	
Title: LEAD HSE	Approval Date: 10/16/2015	Expiration Date: 12/16/2015
E-mail Address: **spencer.a.cluff@conocophillips.com**	Conditions of Approval: Discrete site samples required. Delineate and remediate per NMOCD guidelines. Geotagged photos of remediation required.	Attached ☐ 1RP 3923
Date: 10/16/2015 Phone:575-746-7248		

* Attach Additional Sheets If Necessary

pJXK1528944902
nJXK1528944722

Appendix B

Laboratory Analysis

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

CARDINAL Laboratories

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

August 12, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: EVGSAU 3236-004

Enclosed are the results of analyses for samples received by the laboratory on 08/11/16 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	08/11/2016	Sampling Date:	08/10/2016
Reported:	08/12/2016	Sampling Type:	Soil
Project Name:	EVGSAU 3236-004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 1 @ 2' (H601791-01)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	08/11/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/12/2016	ND	193	96.3	200	2.73	
DRO >C10-C28	**635**	10.0	08/12/2016	ND	197	98.4	200	3.77	

Surrogate: 1-Chlorooctane	*85.6 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*114 %*	*28-171*

Sample ID: PT. 2 @ 1' (H601791-02)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	08/11/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/12/2016	ND	193	96.3	200	2.73	
DRO >C10-C28	**4960**	50.0	08/12/2016	ND	197	98.4	200	3.77	

Surrogate: 1-Chlorooctane	*96.1 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*153 %*	*28-171*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	08/11/2016	Sampling Date:	08/10/2016
Reported:	08/12/2016	Sampling Type:	Soil
Project Name:	EVGSAU 3236-004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 2 @ 1.5' (H601791-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/11/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/12/2016	ND	193	96.3	200	2.73	
DRO >C10-C28	**276**	10.0	08/12/2016	ND	197	98.4	200	3.77	

Surrogate: 1-Chlorooctane	*86.0 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*88.6 %*	*28-171*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

* RUSH *

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Conoco Phillips	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:** Conoco Phillips
Address:	**Company:** Basin Environmental
City: **State:** **Zip:**	**Attn:**
Phone #: **Fax #:**	**Address:** 419 W. Cain
Project #: **Project Owner:**	**City:** Hobbs
Project Name:	**State:** NM **Zip:** 88240
Project Location: EUNICE 3236-004	**Phone #:**
Sampler Name: Kyle Norman	**Fax #:**

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS							
H601791																											
1	Pit 1 @ 2 ft.	G	1			✓					✓		8-10-16	2:00	✓	✓											
2	Pit 2 @ 1 ft.	G	1			✓					✓		8-10-16	2:30	✓	✓											
3	Pit 2 @ 1.5 ft.	G	1			✓					✓		8-10-16	3:00	✓	✓											

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

Relinquished By: Kyle Norman	**Date:** 8-11-16	**Received By:** Jodi Henson	**Phone Result:** ☐ Yes ☑ No **Add'l Phone #:**
	Time: 11:30		**Fax Result:** ☐ Yes ☑ No **Add'l Fax #:**
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** email results:knorman@basinenv.com; jkamplain@basinenv.com; tgrieco@basinenv.com
	Time:		Justin Wright
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -16.8°C	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#75

Received by OCD: 4/30/2025 2:18:23 PM

Released to Imaging: 5/5/2025 3:59:40 PM

CARDINAL Laboratories

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

August 15, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: EVGSAU 3236-004

Enclosed are the results of analyses for samples received by the laboratory on 08/12/16 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	08/12/2016	Sampling Date:	08/10/2016
Reported:	08/15/2016	Sampling Type:	Soil
Project Name:	EVGSAU 3236-004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 1 @ 3' (H601799-01)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	08/12/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/12/2016	ND	197	98.4	200	0.494	
DRO >C10-C28	**147**	10.0	08/12/2016	ND	197	98.7	200	0.0887	

Surrogate: 1-Chlorooctane	*87.3 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*95.0 %*	*28-171*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Conoco Phillips	**BILL TO**
Project Manager: Kyle Norman	P.O. #:
Address:	Company: Conoco Phillips
City: State: Zip:	Attn: Justin Wright
Phone #: Fax #:	Address:
Project #: Project Owner:	City: Hobbs
Project Name:	State: NM Zip: 88240
Project Location: EVGSAU 3236-004	Phone #:
Sampler Name: Kyle Norman	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS						
H601799-01	Pit 1 @ 3 ft.	G	1			✓					✓		8-10-16	2:15	✓	✓									

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

Relinquished By:	Date: 8-12-16	Received By:	Phone Result: ☐ Yes ☑ No Add'l Phone #:
	Time: 11:10		Fax Result: ☐ Yes ☑ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results:knorman@basinenv.com; jkamplain@basinenv.com; tgrieco@basinenv.com
	Time:		
Delivered By: (Circle One)	Sample Condition: Cool ☑ Yes ☐ No, Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: 5.4°C		ch #75	Rush

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Received by OCD: 4/30/2025 2:18:23 PM

Released to Imaging: 5/5/2025 3:59:40 PM

Appendix C
Photo Documentation

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

ConocoPhillips EVGSAU 3236-004

Unit Letter K, Section 32, T17S, R35E

Initial Release, facing NE 1/27/2016

Initial Release, facing SW 1/27/2016

Installing vertical #1, facing W 8/10/2016

Installing vertical #2, facing S 8/10/2016

TETRA TECH

October 15, 2020

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505

Subject: **Closure Letter Report**
ConocoPhillips
1RP-3923
EVGSAU 3236-004 Flowline Release
PLSS Unit Letter K, Section 32, Township 17 South, and Range 35 East
Lea County, New Mexico

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips East Vacuum Grayburg-San Andres Unit (EVGSAU) 3236-004 Flowline Release (Site) is located approximately 1.7 miles southeast of Buckeye in Lea County, New Mexico (Figure 1). The well listed in the C-141 is the EVGSAU 3236-004 (API No. 30-025-02979). The initial C-141 states that the release occurred in the Public Land Survey System (PLSS) Unit Letter F, Section 32, Township 17 South, and Range 35 East, which is the location of the EVGSAU 3236-004 well. However, according to information provided by ConocoPhillips, the Site is actually located along a flowline in PLSS Unit Letter K, Section 32, Township 17 South, and Range 35 East. The coordinates of the release area (Site) are 32.79072°, -103.48032°.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on October 15, 2015 a leak occurred from a flowline from the EVGSAU 3236-004 well. The release consisted of 8 barrels (bbls) of produced water and 10 bbls of oil, and affected an approximately 75-foot (ft) by 75-ft by 2-inch area of pasture. During initial response activities approximately 4 bbls of oil and 4 bbls of produced water were recovered by a vacuum truck. Immediate notice was given to the New Mexico Oil Conservation Division (NMOCD) on the following day and the release was subsequently assigned the Remediation Permit (RP) number 1RP-3923.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area.

Based on data from the New Mexico Office of the State Engineer (NMOSE), there is one (1) water well located within an 800-meter (approximately ½-mile) radius of the release Site. The average depth to groundwater is 85 feet. The site characterization data is shown in Attachment B.

Bradford Billings
NMOCD
October 15, 2020

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil. Based on the depth to groundwater at the Site, the RRALs for the Site are as follows:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO + ORO): 100 mg/kg (0 – 4 ft bgs);
- TPH (GRO + DRO): 1,000 mg/kg;
- TPH (GRO + DRO + ORO): 2,500 mg/kg;
- Chloride: 600 mg/kg (0 – 4 ft bgs);
- Chloride: 10,000 mg/kg (>4 ft bgs).

SITE ASSESSMENT SUMMARY

A Corrective Action Plan (CAP) dated August 23, 2016 was prepared by Basin Environmental Service Technologies (Basin) on behalf of ConocoPhillips and submitted to the NMOCD for approval (Attachment C). According to the CAP, Basin personnel were on Site on January 27, 2016 to photograph the release and map the extent of soil impacts. Basin returned to the Site on August 10, 2016 to assess the release. A total of eleven (11) samples were collected from two (2) locations (Vertical 1 and Vertical 2) and field screened for chlorides and organic vapors. Two samples from each location, including the basal sample from each location and the uppermost sample in each location that screened clean, were selected for laboratory analysis to achieve vertical delineation of the release.

Thus, a total of four (4) samples were sent to Cardinal Laboratories in Hobbs, New Mexico on August 10, 2016 and analyzed for chloride using EPA Method SM4500Cl-B and TPH using EPA Method 8015M. The laboratory analytical report and a Site diagram showing sample locations and a summary of analytical results are included in the CAP (Attachment C).

ASSESSMENT RESULTS AND CORRECTIVE ACTION PLAN

Analytical results from the August 2016 assessment indicated chloride impacts above the Site RRAL of 600 mg/kg (0 – 4 ft bgs) in surface soils were limited to the top 1.5 feet at Vertical 1 and the top 1-foot at Vertical 2. Based on the results of the soil assessment, Basin proposed that the release area around Vertical 1 be excavated to a depth of 2 ft bgs, and the area around Vertical 2 be excavated to a depth of 1.5 ft bgs. Samples collected from the sidewalls would be field screened for chlorides and organic vapors. The excavation would be extended until the field data indicate that chlorides and TPH concentrations were below regulatory standards. At that point, discrete samples would be collected from the excavation walls and submitted for laboratory analysis. All excavated soils would be taken to an NMOCD-approved facility for disposal, the excavated area in the pasture would be backfilled with clean soil and then seeded to re-establish vegetative cover. The CAP was conditionally approved by the NMOCD (Attachment C). Records of remediation activities were not immediately available.

VISUAL SITE INSPECTION SUMMARY

At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on June 4, 2020 at the release area evaluate to current conditions at the Site. The formerly impacted area footprint was identified from the description in the C-141 and the Site diagram provided in the CAP. Review of historical aerial imagery revealed clear evidence of remediation activities corresponding to the footprint provided in the CAP. This footprint (Figure 1) coincides with the remediated areas observed in the field. Photographic documentation from the visual inspection is included as Attachment D.

Bradford Billings
NMOCD
October 15, 2020

A list of observations made during the records review and visual Site inspection follow:

- Review of historical aerial imagery from February 2017 revealed clear evidence of remediation activities performed in the release footprint that corresponded to the approved CAP.
- No surficial staining was noted in the reported release extent footprint during the June 2020 visual Site inspection.
- Previously disturbed areas in the pasture were observed to contain uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels.

RECLAMATION AND RE-VEGETATION

From review of recent aerial photography and the visual Site inspection, it appears that the formerly impacted surface areas were restored to the conditions that existed prior to the release in accordance with 19.15.29.13 NMAC (Attachment D).

CONCLUSION

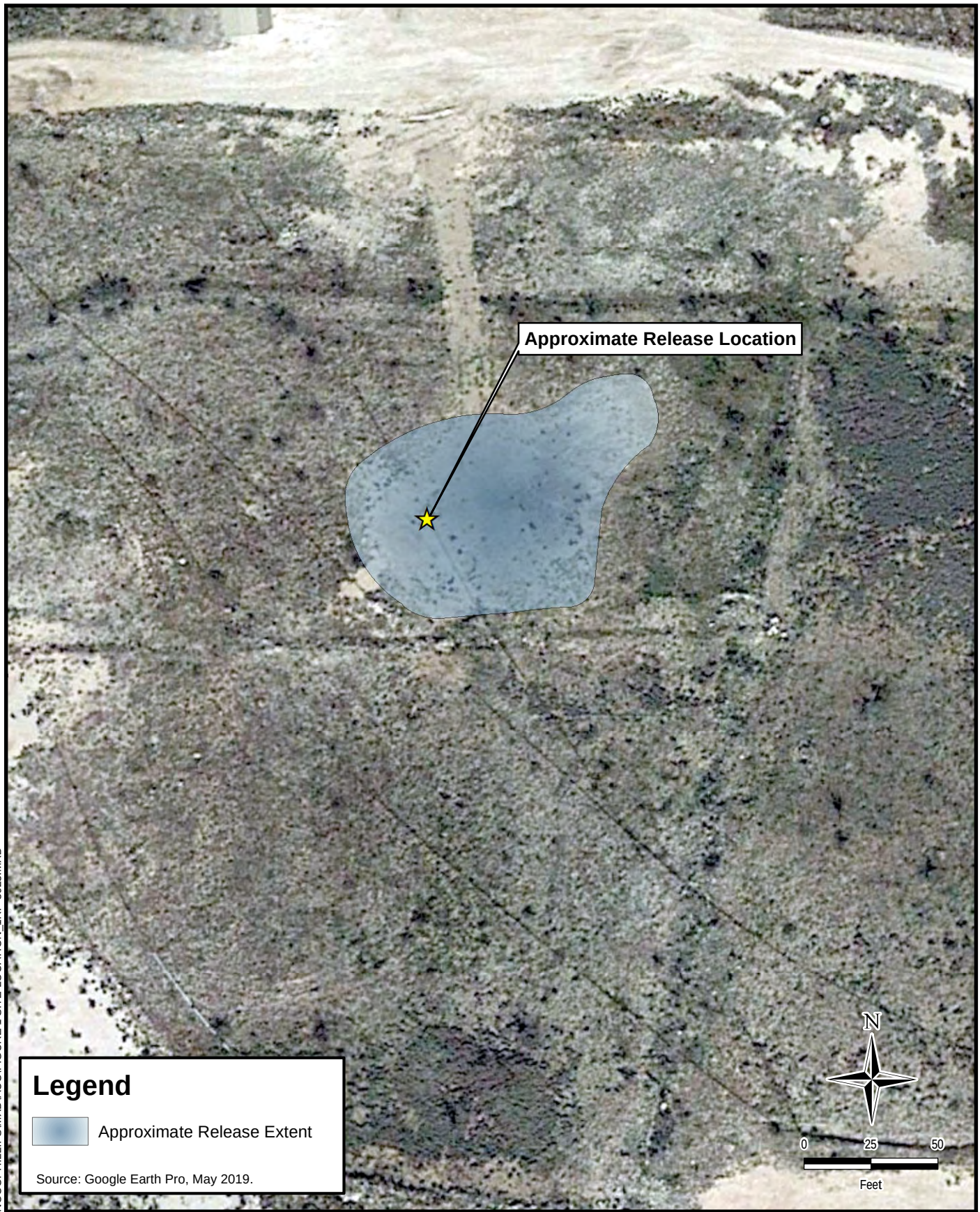
Based on remediation work performed at the Site and recent visual evidence of reestablished vegetation at the formerly impacted surface areas in the pasture, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at christian.llull@tetratech.com.

Sincerely,

Christian M. Llull
Project Manager
Tetra Tech, Inc.

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\ACO\FIGURE 1 SITE LOCATION_1RP-3923.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

1RP-3923
(32.790726°, -103.480326°)
LEA COUNTY, NEW MEXICO

EVGSAU 3236-004 FLOWLINE RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-02152
DATE:	JUNE 15, 2020
DESIGNED BY:	AAM

Figure No.
1

ATTACHMENT A
C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **ConocoPhillips**	Contact: **Spencer Cluff**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-746-7248**
Facility Name: **EVGSAU 3236-004**	Facility Type: **Well**

Surface Owner: NMOCD	Mineral Owner: NMOCD	API No. 30-025-02979

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	32	17S	35E	1980	North	1980	West	**LEA**

Latitude 32.7933311 **Longitude** 103.4820251 NAD83

NATURE OF RELEASE

Type of Release: **Spill**	Volume of Release: 19 BBLS	Volume Recovered: 8 BBLS
Source of Release: Flow line	Date and Hour of Occurrence 10/15/2015 12:00 am	Date and Hour of Discovery 10/15/2015 2:00 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jamie Keyes**	
By Whom? **Spencer Cluff**	Date and Hour: **10/16/2015 9:20 am**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By JKeyes at 12:30 pm, Oct 16, 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On Oct. 15, 2015 at 1400 hrs MDT a flow line leak occurred at the EVGSAU 3236-004, which released 8 BPW and 10 BO with 4 BPW and 4 BO recovered. Spill area is approximately 75'x75' with a depth of 2" in pasture area and will be remediated according to NMOCD and COPC guidelines.

Describe Area Affected and Cleanup Action Taken.*

Immediate action by the MSO was to shut down the well and isolate the flowline. A work ordered has been submitted to repair the line. The affected area will be remediated according to NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: *Spencer A. Cluff*

Printed Name: Spencer A. Cluff

Title: LEAD HSE

E-mail Address: **spencer.a.cluff@conocophillips.com**

Date: 10/16/2015 Phone:575-746-7248

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: *Jamie Keyes*

Approval Date: 10/16/2015 Expiration Date: 12/16/2015

Conditions of Approval:
Discrete site samples required. Delineate and remediate per NMOCD guidelines.
Geotagged photos of remediation required.

Attached ☐
1RP 3923

* Attach Additional Sheets If Necessary

pJXK1528944902
nJXK1528944722

State of New Mexico
Oil Conservation Division

Incident ID	NJXK1528944722
District RP	1RP-3923
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

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.

Printed Name: Charles Beauvais Title: Environmental Coordinator

Signature: Charles R. Beauvais II Date: 10/14/2020

email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

Received by: Jocelyn Harimon Date: 04/18/2023

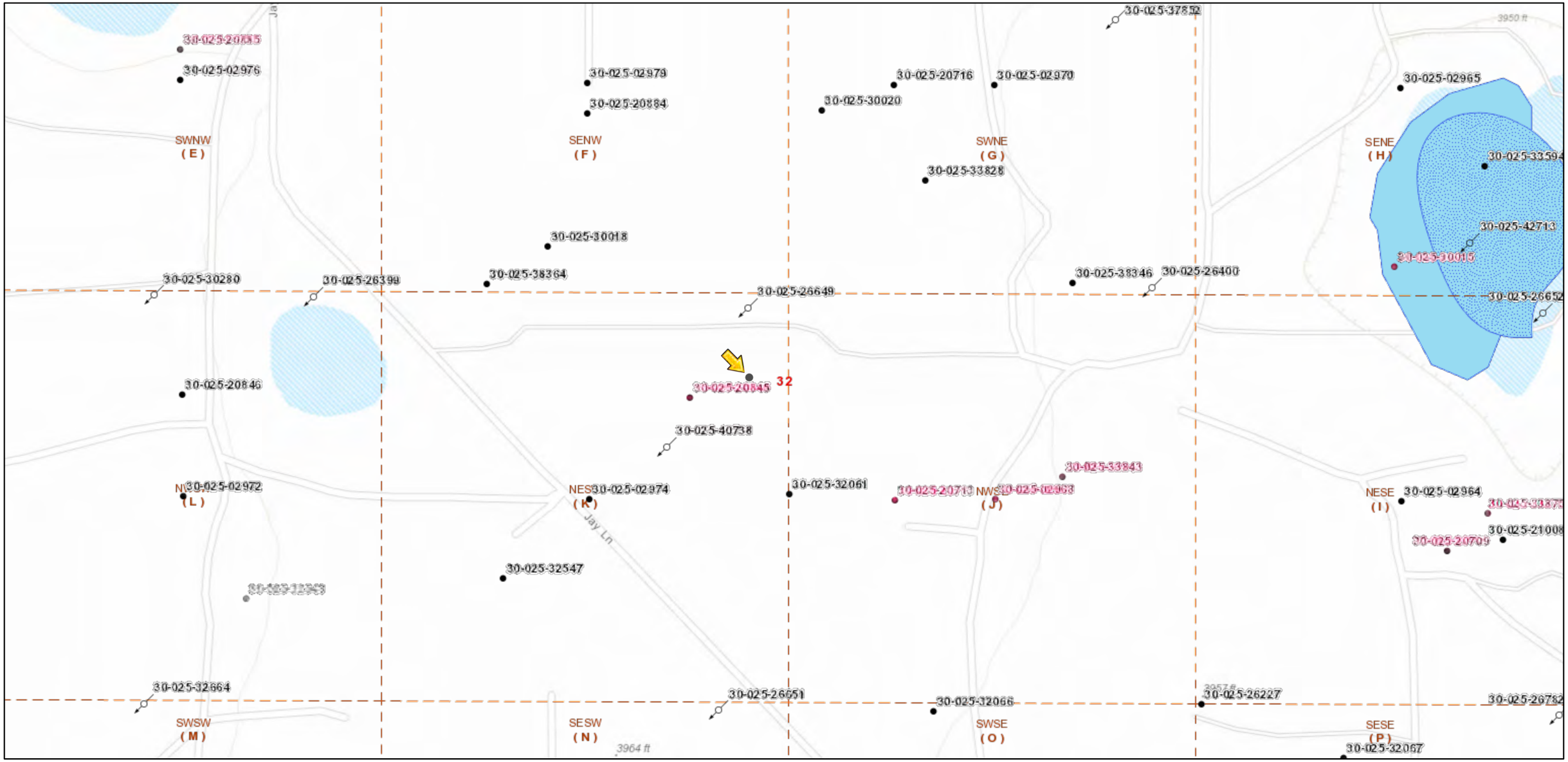
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: closure not approved Date: 04/18/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

ATTACHMENT B
Site Characterization Data

1RP-3923



7/28/2020, 10:29:09 AM

Override 1

Wells - Large Scale

- undefined
- Miscellaneous
- CO2, Active
- CO2, Cancelled
- CO2, New
- CO2, Plugged
- CO2, Temporarily Abandoned
- Gas, Active
- Gas, Cancelled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active
- Injection, Cancelled
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New
- Salt Water Injection, Plugged
- Salt Water Injection, Temporarily Abandoned
- Water, Active

1:4,514

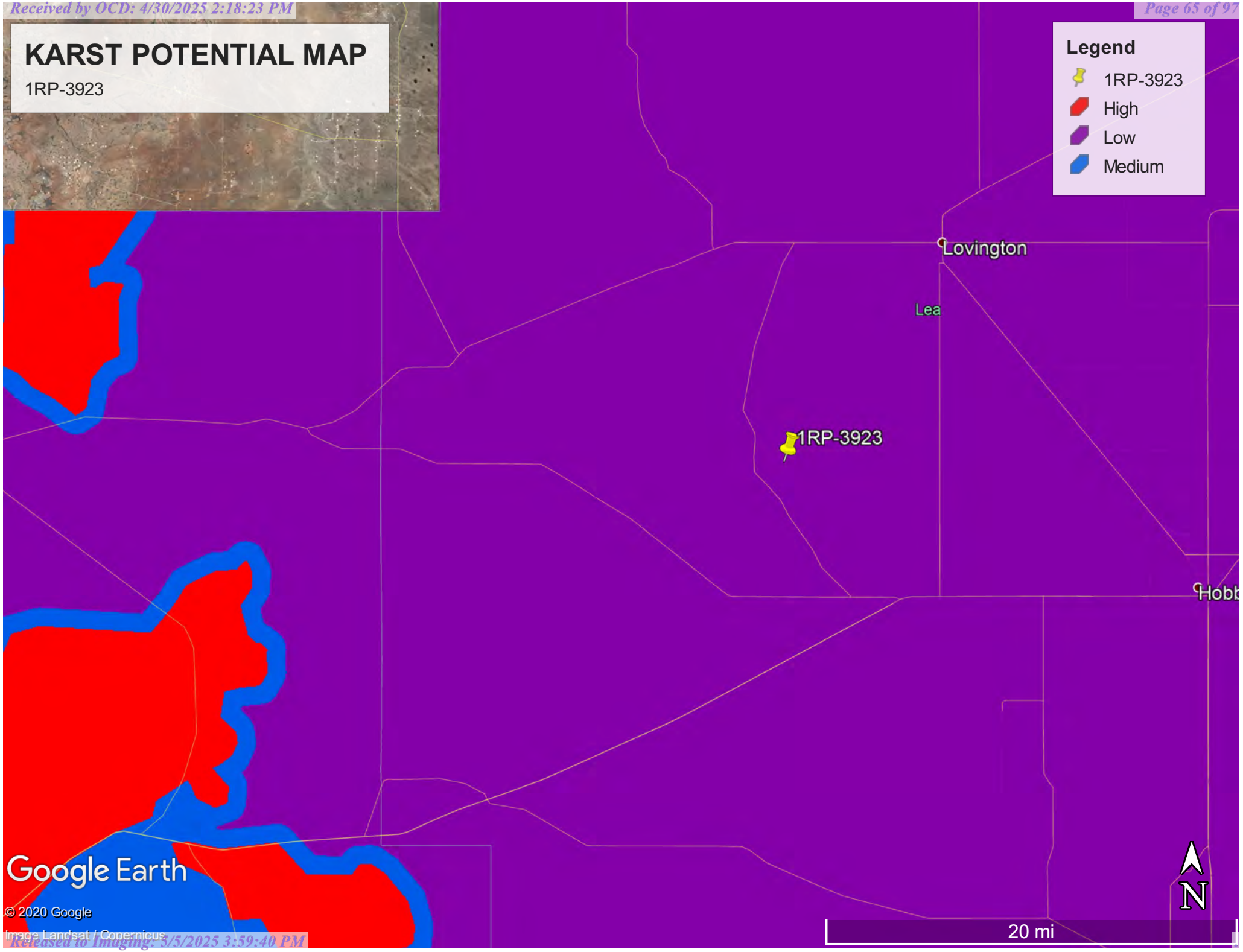
0 250 500 1,000 ft

0 75 150 300 m

Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division


KARST POTENTIAL MAP
1RP-3923
Legend
1RP-3923
High
Low
Medium
Lovington
Lea
1RP-3923
Hobb
Google Earth
© 2020 Google
Image Landsat / Copernicus
20 mi
N

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04829 S	L	LE	3	4		32	17S	35E	642554	3628586*	578	198	85	113

Average Depth to Water: **85 feet**

Minimum Depth: **85 feet**

Maximum Depth: **85 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 642304.194 **Northing (Y):** 3629108.134 **Radius:** 800

***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.

ATTACHMENT C
Corrective Action Plan (Basin, 2016)

RECEIVED
By JKeyes at 12:38 pm, Aug 24, 2016

APPROVED

2 Confirmation bottom samples to be taken as indicated on map.

CONOCOPHILLIPS
P.O. Box 2197
Houston, TX 77252-2197
Phone 281.293.1000

EVGSAU 3236-004

(1RP-3923)

Corrective Action Plan

API No. 30-025-02979

Release Date: October 15th, 2015

Unit Letter K, Section 32, Township 17S, Range 35E

PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

August 23, 2016

Jamie Keyes
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

RE: **Corrective Action Plan**
ConocoPhillips EVGSAU 3236-004 (1RP-3923)
UL/K sec. 32 T17S R35E
API No. 30-025-02979

Mr. Keyes:

ConocoPhillips (CoP) has retained Basin Environmental Service Technologies to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 1.7 miles southeast of Buck Eye, New Mexico The initial C-141 states that the site is located at UL/F Sec. 32 T17S R35E. However, GIS mapping shows the site to be located within UL/K Sec. 32 T17S R35E. NM OSE, BLM and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 75 +/- feet.

On October 15th, 2015, CoP discovered a flow line leak. A total of 9 barrels produced water and 10 barrels of oil was released over 3,182 sq ft of pasture land. 4 barrels of produced water and 4 barrels of oil was recovered. NMOCD was notified of the release on October 16th, 2015, and an initial C-141 was submitted same day. NMOCD approved the initial C-141 on October 16th, 2015 (Appendix A).

Basin personnel were on site to assess the release January 27th, 2016. The release was mapped and photographed (Figure 1). On August 10th, 2016 Field samples were collected at surface and taken with depth and representative samples were sent to a commercial laboratory for analysis (Appendix B). Photo Documentation of these activities may be found in Appendix C.

Corrective Action Plan

Based on the assessment, the release area around vertical 1will be excavated to a depth of 2 feet bgs. The release area around vertical 2 will be excavated to a depth of 1.5 feet bgs. Once all excavations are complete, discreet wall samples from the excavation will be collected and field

tested for chlorides and organic vapors. If the field data indicates that the wall samples will not achieve chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) readings below regulatory standards, the walls of the excavation will be extended until field testing indicates that all constituents from the wall samples will return values below regulatory standards. The samples will then be taken to a commercial laboratory to confirm that all constituents return readings are below regulatory standards.

All excavated soil will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to serve as backfill. A sample of the backfill soil will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The lease pad will be backfilled with clean, imported caliche and the pasture will be backfilled with clean, imported top soil. The site will be contoured to the surrounding location.

Revegetation of the site will be performed as follows:

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful. The seed will be spread using a hand-held broadcaster and the area raked or dragged to cover the seed. Because the seed will be broadcast, the pounds per acre will be doubled. BLM #2 LPC seed mix will be used.

The seed mixture will be planted in the amounts specified in pounds of pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered. The area will be seeded following backfilling of the excavated area.

The site will be visited on a quarterly basis to assess the establishment of vegetative growth. Staff personnel performing the site visit will also look for the presence of noxious weeds at the site. If a noxious weed is observed at the site, CoP will determine the most effective manner to eradicate it.

Once these activities have been completed, a report will be sent to NMOCD and BLM requesting ‘remediation termination’ and site closure.
Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,

Kyle Norman
Project Lead
Basin Environmental Service Technologies
(575) 942-8542

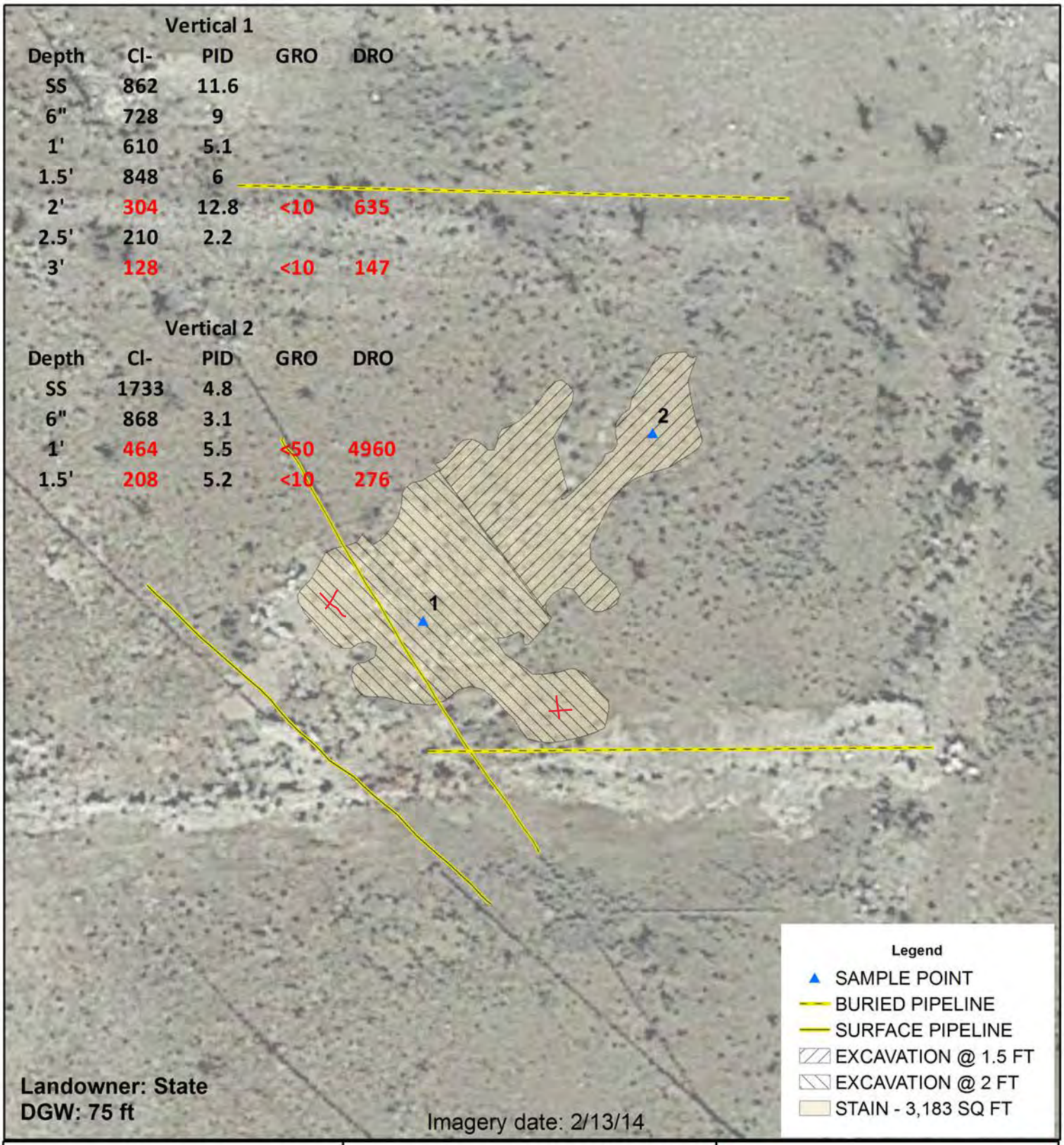
Attachments:

Figure 1 – Proposed Excavation
Appendix A – Initial C-141
Appendix B – Laboratory Analysis
Appendix C – Photo Documentation

Figures

Basin Environmental Service Technologies, LLC
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

Proposed Excavation



Basin Environmental Service Technologies
Effective Solutions

CONOCOPHILLIPS EVGSAU 3236-004

1RP-3923

UL K SECTION 32
T-17-S R-35-E
LEA COUNTY, NM

Underground facilities are spatially projected and need to be field verified.

GPS: 32.790675 -103.480333

0 10 20 Feet

GPS date: 1/27/16 JK, 8/10/16 KN
Drawing date: 8/15/16
Drafted by: T. Grieco

N W E S

Appendix A

Intial C-141

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **ConocoPhillips**	Contact: **Spencer Cluff**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-746-7248**
Facility Name: **EVGSAU 3236-004**	Facility Type: **Well**

Surface Owner: NMOCD	Mineral Owner: NMOCD	API No. 30-025-02979

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	32	17S	35E	1980	North	1980	West	**LEA**

Latitude 32.7933311 **Longitude** 103.4820251 NAD83

NATURE OF RELEASE

Type of Release: **Spill**	Volume of Release: 19 BBLS	Volume Recovered: 8 BBLS
Source of Release: Flow line	Date and Hour of Occurrence 10/15/2015 12:00 am	Date and Hour of Discovery 10/15/2015 2:00 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jamie Keyes**	
By Whom? **Spencer Cluff**	Date and Hour: **10/16/2015 9:20 am**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By JKeyes at 12:30 pm, Oct 16, 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On Oct. 15, 2015 at 1400 hrs MDT a flow line leak occurred at the EVGSAU 3236-004, which released 8 BPW and 10 BO with 4 BPW and 4 BO recovered. Spill area is approximately 75'x75' with a depth of 2" in pasture area and will be remediated according to NMOCD and COPC guidelines.

Describe Area Affected and Cleanup Action Taken.*

Immediate action by the MSO was to shut down the well and isolate the flowline. A work ordered has been submitted to repair the line. The affected area will be remediated according to NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: *Spencer A. Cluff*	OIL CONSERVATION DIVISION	
Printed Name: Spencer A. Cluff	Approved by Environmental Specialist: *Jamie Keyes*	
Title: LEAD HSE	Approval Date: 10/16/2015	Expiration Date: 12/16/2015
E-mail Address: **spencer.a.cluff@conocophillips.com**	Conditions of Approval: Discrete site samples required. Delineate and remediate per NMOCD guidelines. Geotagged photos of remediation required.	Attached ☐ 1RP 3923
Date: 10/16/2015 Phone:575-746-7248		

* Attach Additional Sheets If Necessary

pJXK1528944902
nJXK1528944722

Appendix B

Laboratory Analysis

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

CARDINAL Laboratories

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

August 12, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: EVGSAU 3236-004

Enclosed are the results of analyses for samples received by the laboratory on 08/11/16 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	08/11/2016	Sampling Date:	08/10/2016
Reported:	08/12/2016	Sampling Type:	Soil
Project Name:	EVGSAU 3236-004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 1 @ 2' (H601791-01)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	08/11/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/12/2016	ND	193	96.3	200	2.73	
DRO >C10-C28	**635**	10.0	08/12/2016	ND	197	98.4	200	3.77	

Surrogate: 1-Chlorooctane	*85.6 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*114 %*	*28-171*

Sample ID: PT. 2 @ 1' (H601791-02)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	08/11/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/12/2016	ND	193	96.3	200	2.73	
DRO >C10-C28	**4960**	50.0	08/12/2016	ND	197	98.4	200	3.77	

Surrogate: 1-Chlorooctane	*96.1 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*153 %*	*28-171*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	08/11/2016	Sampling Date:	08/10/2016
Reported:	08/12/2016	Sampling Type:	Soil
Project Name:	EVGSAU 3236-004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 2 @ 1.5' (H601791-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/11/2016	ND	448	112	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/12/2016	ND	193	96.3	200	2.73	
DRO >C10-C28	**276**	10.0	08/12/2016	ND	197	98.4	200	3.77	

Surrogate: 1-Chlorooctane	*86.0 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*88.6 %*	*28-171*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 81 of 97

CARDINAL LABORATORIES

$ RUSH $

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Conoco Phillips	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:** Conoco Phillips
Address:	**Company:** Basin Environmental
City: **State:** **Zip:**	**Attn:**
Phone #: **Fax #:**	**Address:** 419 W. Cain
Project #: **Project Owner:**	**City:** Hobbs
Project Name:	**State:** NM **Zip:** 88240
Project Location: EUNICE 3236-004	**Phone #:**
Sampler Name: Kyle Norman	**Fax #:**

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS					
H601791																									
1	Pit 1 @ 2 ft.	G	1			✓					✓		8-10-16	2:00	✓	✓									
2	Pit 2 @ 1 ft.	G	1			✓					✓		8-10-16	2:30	✓	✓									
3	Pit 2 @ 1.5 ft.	G	1			✓					✓		8-10-16	3:00	✓	✓									

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Relinquished By: Kyle Norman	**Date:** 8-11-16	**Received By:** Jodi Henson	**Phone Result:** ☐ Yes ☑ No **Add'l Phone #:**
	Time: 11:30		**Fax Result:** ☐ Yes ☑ No **Add'l Fax #:**
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** email results:knorman@basinenv.com; jkamplain@basinenv.com; tgrieco@basinenv.com
	Time:		Justin Wright
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -16.8°C	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#75

Received by OCD: 4/30/2025 2:18:23 PM

Released to Imaging: 5/5/2025 3:59:40 PM

CARDINAL Laboratories

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

August 15, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: EVGSAU 3236-004

Enclosed are the results of analyses for samples received by the laboratory on 08/12/16 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	08/12/2016	Sampling Date:	08/10/2016
Reported:	08/15/2016	Sampling Type:	Soil
Project Name:	EVGSAU 3236-004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 1 @ 3' (H601799-01)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	08/12/2016	ND	448	112	400	3.64	

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/12/2016	ND	197	98.4	200	0.494	
DRO >C10-C28	**147**	10.0	08/12/2016	ND	197	98.7	200	0.0887	

Surrogate: 1-Chlorooctane	*87.3 %*	*35-147*
Surrogate: 1-Chlorooctadecane	*95.0 %*	*28-171*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Conoco Phillips	**BILL TO**
Project Manager: Kyle Norman	P.O. #:
Address:	Company: Conoco Phillips
City: State: Zip:	Attn: Justin Wright
Phone #: Fax #:	Address:
Project #: Project Owner:	City: Hobbs
Project Name:	State: NM Zip: 88240
Project Location: EVGSAU 3236-004	Phone #:
Sampler Name: Kyle Norman	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS						
H601799-01	Pit 1 @ 3 ft.	G	1			✓					✓		8-10-16	2:15	✓	✓									

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

Relinquished By:	Date: 8-12-16	Received By:	Phone Result: ☐ Yes ☑ No Add'l Phone #:
	Time: 11:10		Fax Result: ☐ Yes ☑ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results:knorman@basinenv.com; jkamplain@basinenv.com; tgrieco@basinenv.com
	Time:		
Delivered By: (Circle One)	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: 5.4°C		ch #75	Rush

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Received by OCD: 4/30/2025 2:18:23 PM

Released to Imaging: 5/5/2025 3:59:40 PM

Appendix C
Photo Documentation

Basin Environmental Service Technologies, LLC
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

ConocoPhillips EVGSAU 3236-004

Unit Letter K, Section 32, T17S, R35E

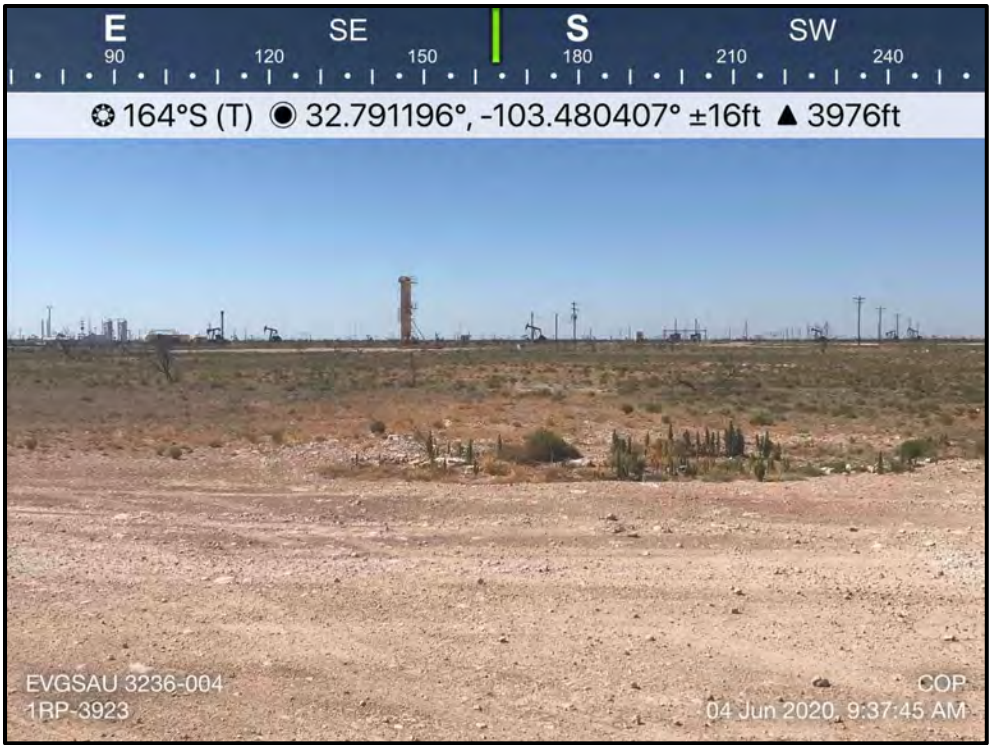
Initial Release, facing NE 1/27/2016

Initial Release, facing SW 1/27/2016

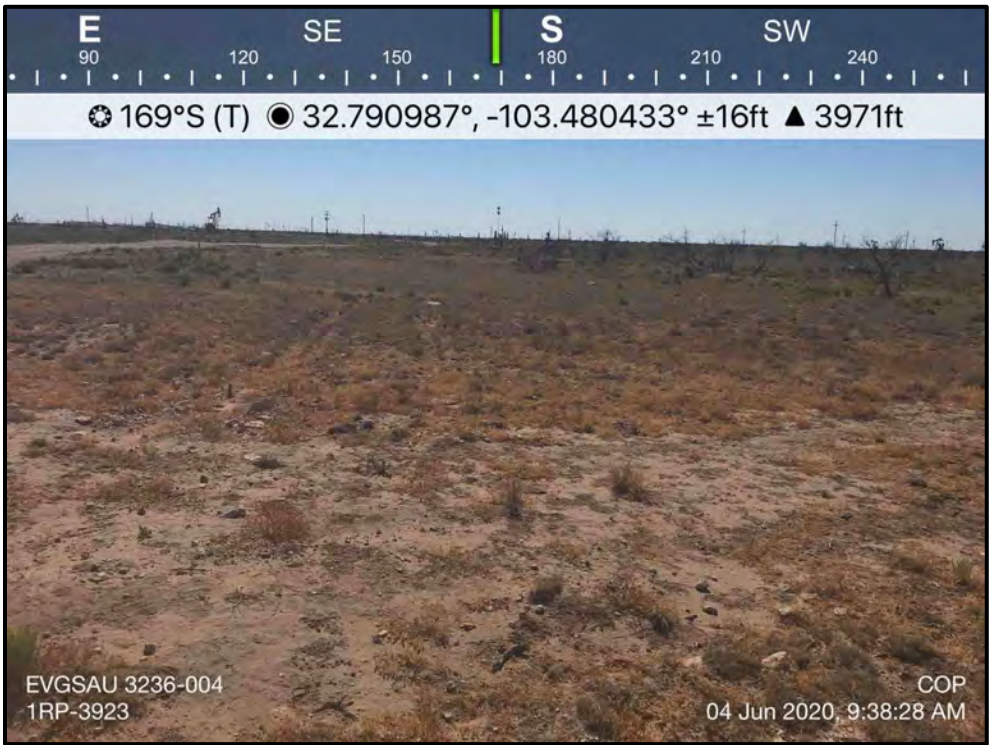
Installing vertical #1, facing W 8/10/2016

Installing vertical #2, facing S 8/10/2016

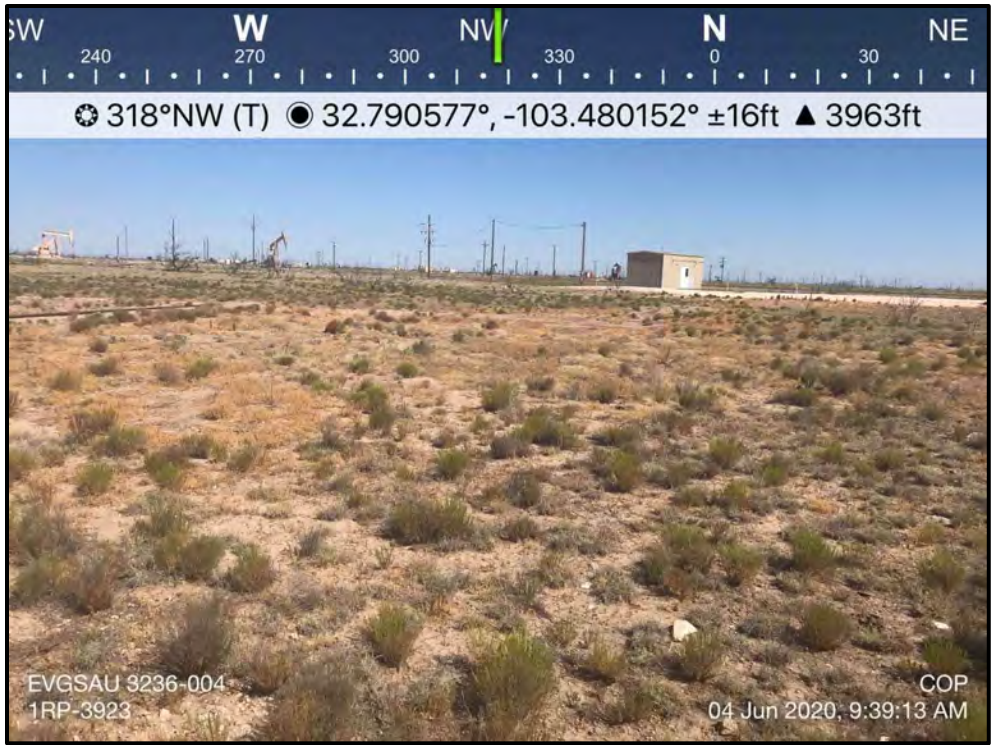
ATTACHMENT D
Photographic Documentation



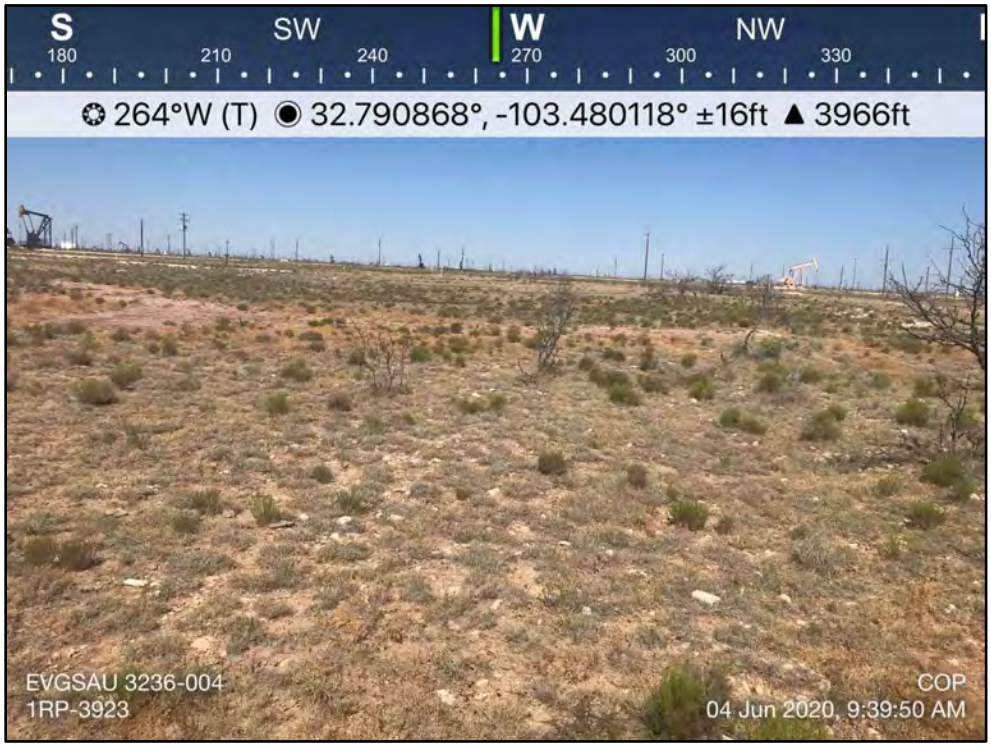
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing southeast of flowline release.	1
	SITE NAME	EVGSAU 3236-004 Flowline Release	6/4/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing southeast of flowline release.	2
	SITE NAME	EVGSAU 3236-004 Flowline Release	6/4/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northwest of flowline release.	3
	SITE NAME	EVGSAU 3236-004 Flowline Release	6/4/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of flowline release.	4
	SITE NAME	EVGSAU 3236-004 Flowline Release	6/4/2020

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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

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 457266
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nJXK1528944722**
Incident Name	**NJXK1528944722 EAST VACUUM (GSA) UNIT #004 @ 30-025-02979**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-02979] EAST VACUUM (GSA) UNIT #004**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EAST VACUUM (GSA) UNIT #004
Date Release Discovered	10/15/2015
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Flow Line - Production | Crude Oil | Released: 10 BBL | Recovered: 4 BBL | Lost: 6 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 8 BBL | Recovered: 4 BBL | Lost: 4 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 (continued)

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QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
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@tetratech.com Date: 07/12/2024

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QUESTIONS (continued)

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QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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 ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	464
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4960
GRO+DRO (EPA SW-846 Method 8015M)	4960
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	08/01/2025
On what date will (or did) the final sampling or liner inspection occur	08/15/2025
On what date will (or was) the remediation complete(d)	08/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3023
What is the estimated volume (in cubic yards) that will be remediated	448
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	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.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetratech.com Date: 04/30/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	331199
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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**355056**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/19/2024**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**800**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator:	OGRID:
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CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation work plan approved.	5/5/2025
amaxwell	Variance request to use delineation samples as confirmation samples is approved.	5/5/2025
amaxwell	Submit a report via the OCD permitting portal by August 5, 2025.	5/5/2025