EAST VACUUM (GSA) UNIT #002

nOY1815237113

PREPARED BY SAPEC-ECO, LLC.

PREPARED FOR MAVERICK PERMIAN, LLC.

Proposed Sampling and Remediation Work Plan

April 9, 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: ***nOY1815237113***
East Vacuum (GSA) Unit #002 API No. 30-025-26225
Unit M, Section 28, Township 17S, Range 35E 1140 FSL 1310 FWL Lea County, NM
GPS Coordinates: Latitude 32.8018303 Longitude -103.467041 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 #002 (Site). This incident was assigned Incident ID nOY1815237113 by the New Mexico Oil Conservation Division (NMOCD).

Release Information – nOY1815237113

The initial Form C-141 was submitted on May 30, 2018 (Appendix A) and stated that "A stuffing box leak resulted in a 56.96 BBL release with 20 BBL recovered. The spill site will be remediated per NMOCD guidelines. Area 1 – 150' x 150' x .25" Area 2 – 100' x 100' x 3" Area 3 – 70' x 20' x 3"." This initial Form C-141 was approved by the NMOCD on June 1, 2018.

Site Characterization

This Site is in Lea County, NM, approximately eleven (11) miles southwest of Lovington, NM. The wellhead and release area are in Unit M, Section 28, Township 17S, Range 35E, at 32.8018303 degrees latitude and -103.467041 degrees longitude. 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 26.18 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 70 feet below grade surface (bgs). This information is recorded by L-04829-S3 which is situated approximately 0.51 miles away from the Site. This information is from 1975. The United States Geological Survey (USGS) offers the site USGS 324813103275901 17S.32E.28.131443 which shows depth to the nearest groundwater is 71 feet bgs. The latest gauge of this site was conducted in 1986, and it is located approximately 0.43 miles from the Site.

The nearest surface water feature is an Unnamed Pond, and it is located approximately 2.26 miles to the west. The U.S. Fish and Wildlife Service National Wetlands Inventory shows the nearest wetland to be a Freshwater Pond approximately 0.23 miles south. 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.

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The remediation area at the Site is in previously disturbed areas developed for oil and gas extraction; therefore, a cultural resource survey will not be required at the Site for planned remediation activities. Should the need arise for the remediation area to extend past the previously disturbed areas, the requirements of the Cultural Properties Protection (CCP) Rule will be followed.

Assessment and Previous Remedial Activities

"ConocoPhillips collected a total of thirty (30) samples from ten (10) locations within the release extent interior on May 1, 2019 and sent to Cardinal Laboratories to be analyzed for TPH via EPA Method 8015M, BTEX via EPA Method 8021B and chlorides using EPA Method 4500-Cl B. Samples were collected from the excavation floor, as well as from soils beneath the excavation floor. Sampling locations are indicated on Figure 2. Copies of the laboratory analytical report and chain-of-custody documentation are included in Attachment D.
As the impacted surface area of a release occurred on a developed well pad, remediation was conducted to meet the standards of Table I of 19.15.29.12 NMAC, based on the site characterization above. Analytical results from the May 2019 sampling activities indicated elevated chloride concentrations above the reclamation RRAL of 600 mg/kg (0 – 4 ft bgs) at nine of the ten locations sampled. Analytical results associated with location SP#5 were only slightly above the reclamation threshold and those soils remained in place. Analytical results from the May 2019 sampling activities indicated TPH concentrations above the Site RRAL of 1000 mg/kg at two of the ten locations sampled. Analytical results for BTEX were below Site RRALs.
Based on the analytical results, portions of the release footprint were excavated an additional 1 ft (for a total of 2 ft bgs) to remove the remainder of impacted soils. The additional remediation extent is shown in Figure 2. The excavated soil was taken to an NMOCD-approved facility for disposal, and the excavated area was then backfilled with clean soil."

On November 17, 2020, ConocoPhillips submitted a Closure Letter Report for this incident. This report was denied by the NMOCD on April 17, 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 6568 square feet and is entirely on the pad surface.
- Collect discrete samples from within and around the edges of the release area to evaluate the presence of contaminants. Eighty-five (85) samples will be collected from 17 different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Forty (40) samples will be collected from 8 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 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 from 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.
- 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.

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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

Maverick requests that this proposed sampling & remediation work plan for incident ID nOY1815237113 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

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 – Closure Letter Report

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5846 E 21st Place
Tulsa, OK 74114

Figures:

Proposed Sample Map

Special Status Plant/Wildlife Map

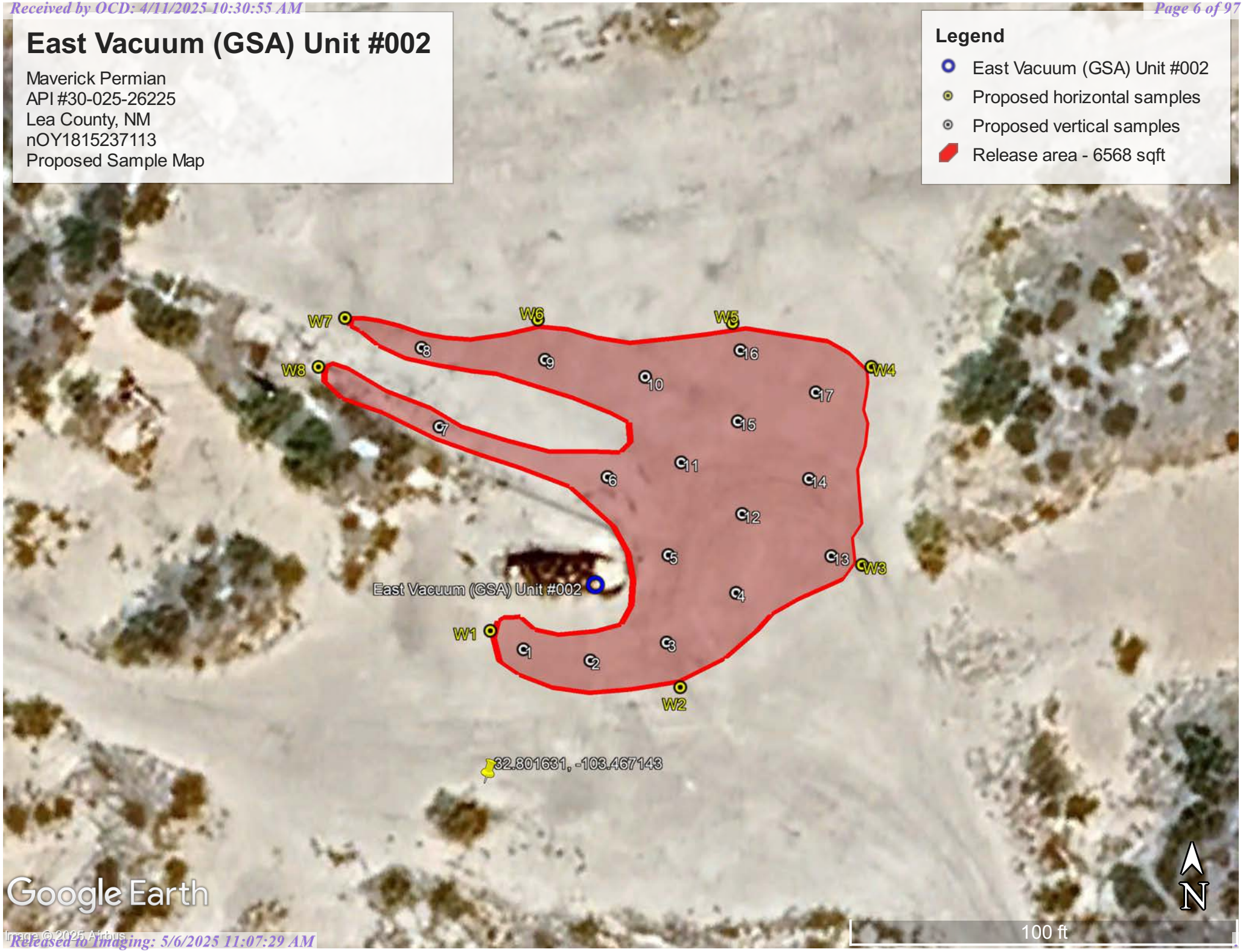
Karst Map

Topographic Map

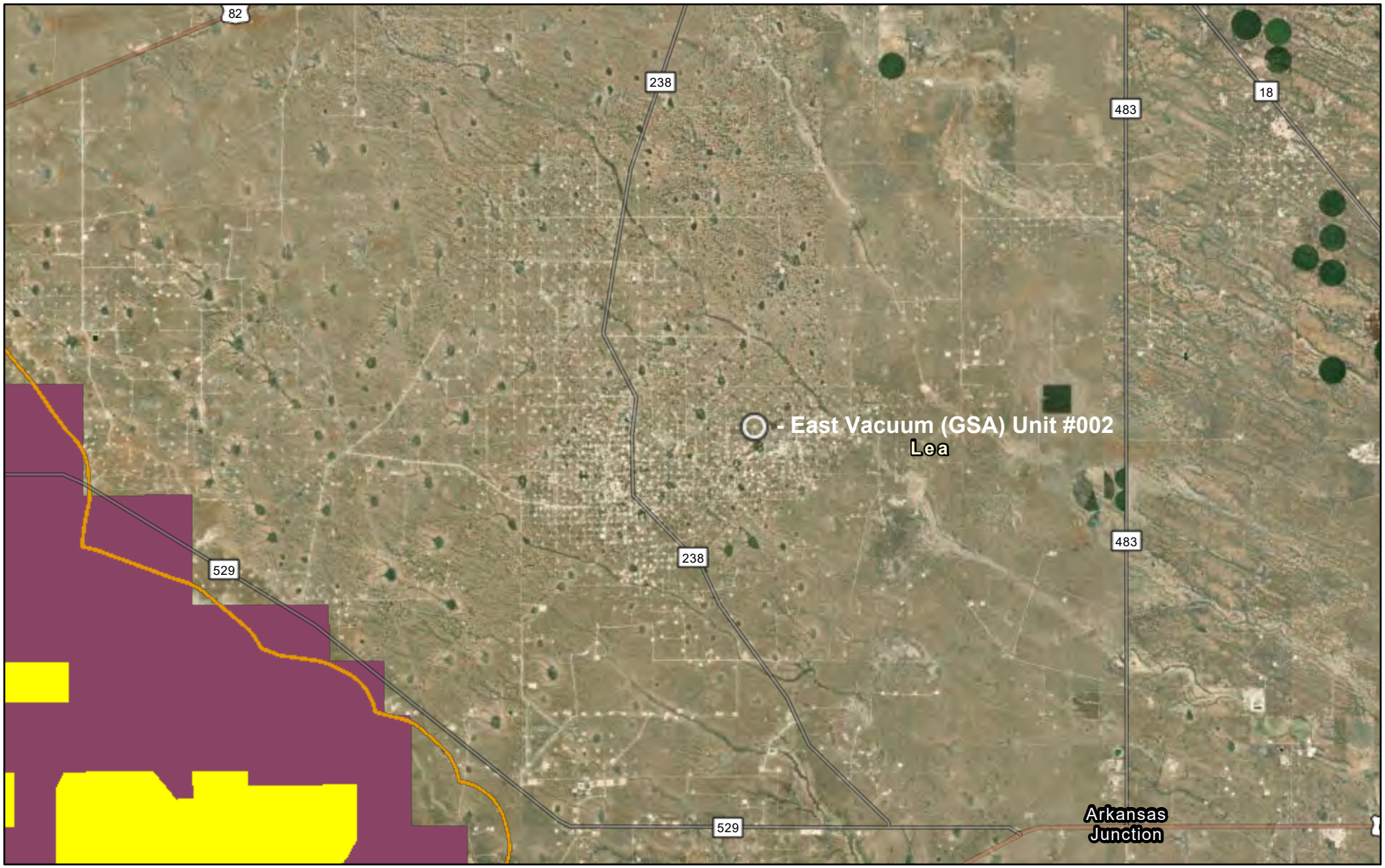
Location Map

East Vacuum (GSA) Unit #002

Maverick Permian
API #30-025-26225
Lea County, NM
nOY1815237113
Proposed Sample Map



Special Status Plant/Wildlife Map



4/9/2025

Dunes Sage Brush Lizard Habitat

Lesser Prairie Chicken Habitat

Habitat Evaluation Area

Isolated Population Area

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

38m Resolution Metadata

1:188,288

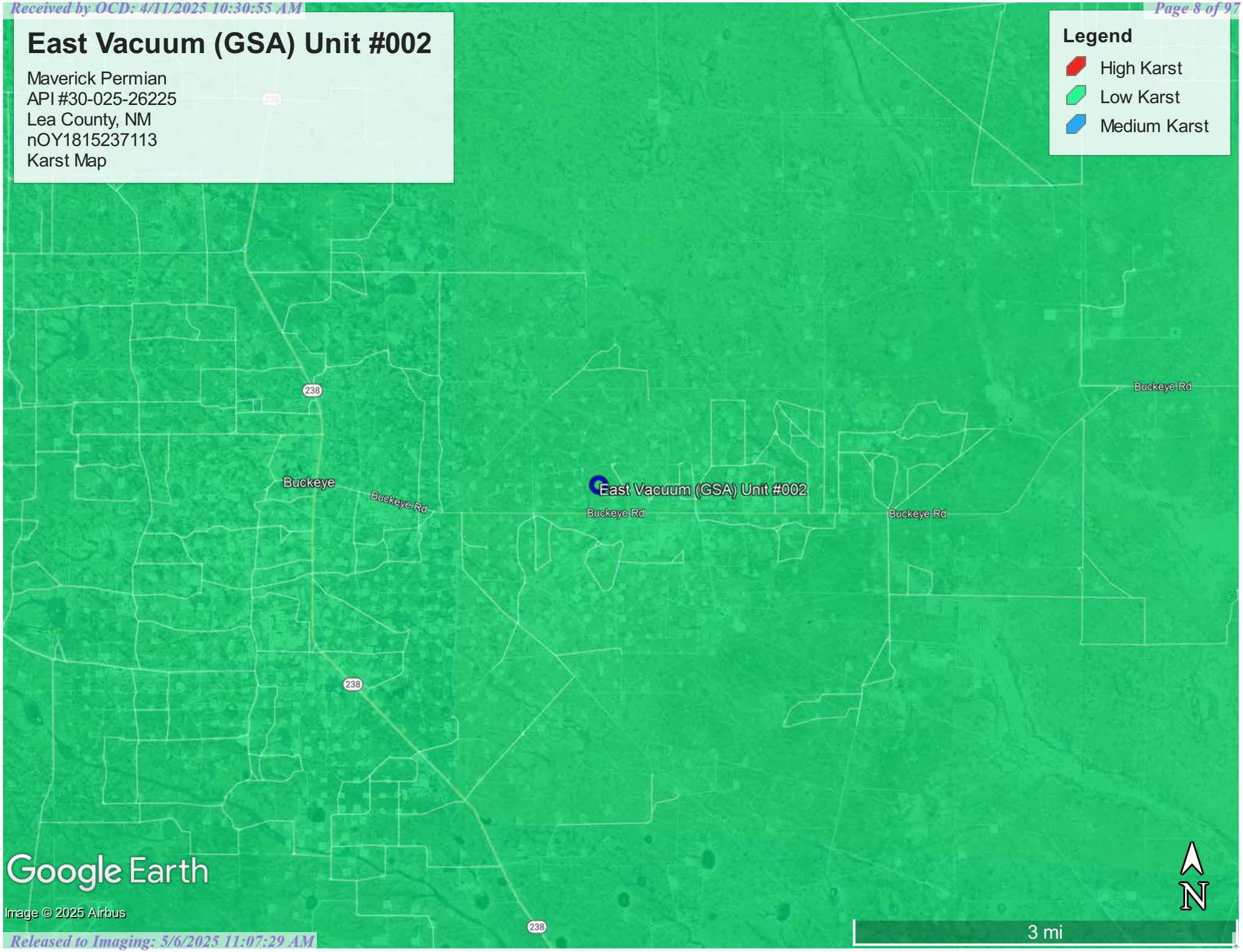
0 1.25 2.5 5 mi

0 2 4 8 km

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

East Vacuum (GSA) Unit #002

Maverick Permian
API #30-025-26225
Lea County, NM
nOY1815237113
Karst Map

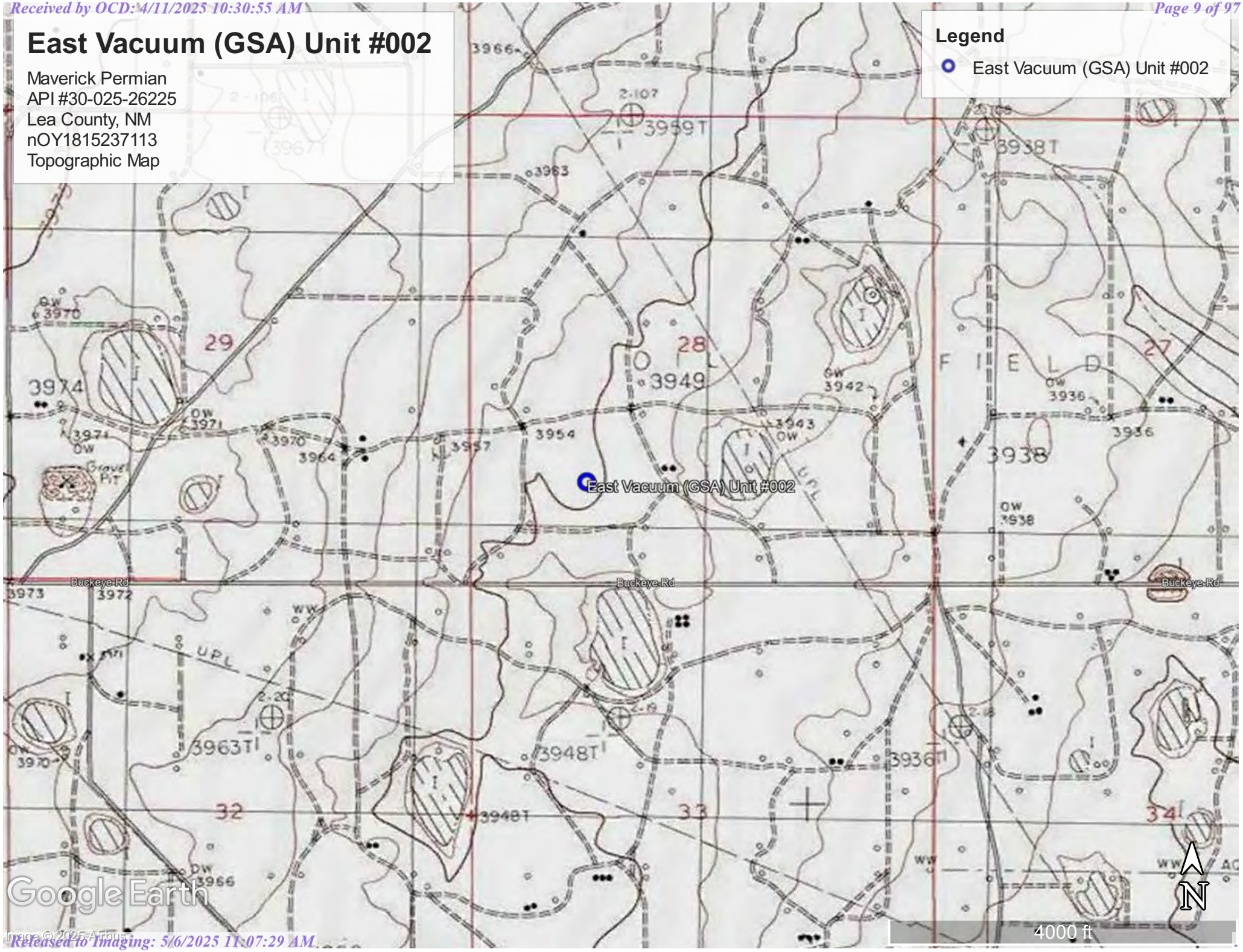


East Vacuum (GSA) Unit #002

Maverick Permian
API #30-025-26225
Lea County, NM
nOY1815237113
Topographic Map

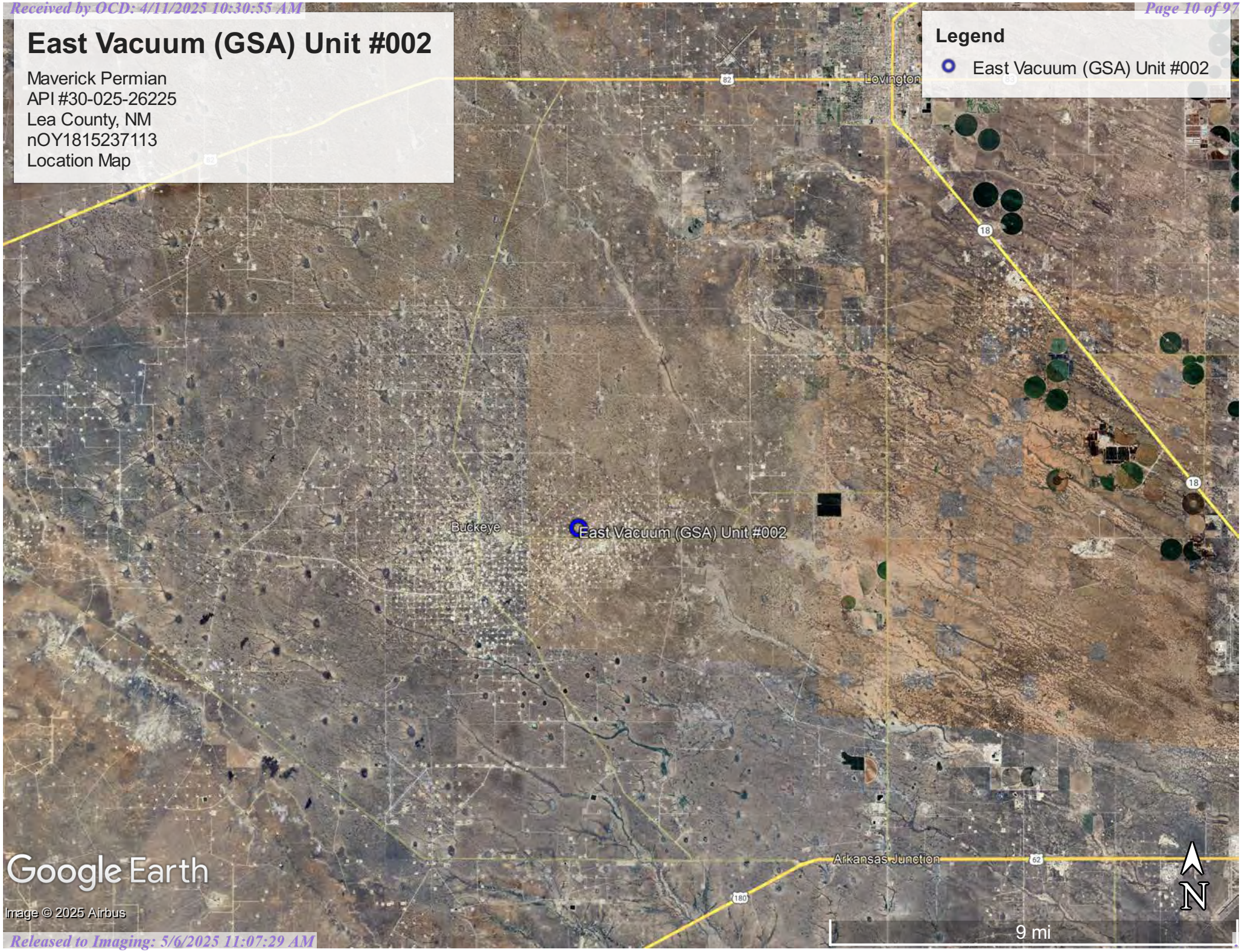
Legend

East Vacuum (GSA) Unit #002



East Vacuum (GSA) Unit #002

Maverick Permian
API #30-025-26225
Lea County, NM
nOY1815237113
Location Map



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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: **Cullen Rosine**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-391-3133**
Facility Name: EVGSAU 2801-002	Facility Type: Producing Well

Surface Owner: State	Mineral Owner: N/A	State	API No.30-025-26225

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	28	17S	35E					**Lea**

Latitude 32.8018303 **Longitude** -103.467041

NATURE OF RELEASE

Type of Release: **Oil and Produced water**	Volume of Release: 17.66 BO 39.30 BPW	Volume Recovered: 20 BBL
Source of Release: Stuffing Box	Date and Hour of Occurrence **5-28-2018 6:30 PM**	Date and Hour of Discovery **5-29-2018 6:30 AM**
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? Olivia Yu	
By Whom? **Cullen Rosine**	Date and Hour: **5-30-2018 8:30 AM via phone/email**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

RECEIVED
By Olivia Yu at 10:15 am, Jun 01, 2018

Describe Cause of Problem and Remedial Action Taken. A stuffing box leak resulted in a 56.96 BBL release with 20 BBL recovered. The spill site will be remediated per NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. *
Area 1 – 150' x 150' x .25"
Area 2 – 100' x 100' x 3"
Area 3 – 70' x 20' x 3"

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: *Cullen Rosine*

Printed Name: Cullen Rosine

Title: HSE Specialist

E-mail Address: ***Cullen.J.Rosine@conocophillips.com***

Date: 5/30/2018 Phone:575-391-3133

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 6/1/2018 Expiration Date:

Conditions of Approval:
See attached directive

Attached ☑

* Attach Additional Sheets If Necessary

1RP -5078 pOY1815237637

nOY1815237113

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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 S3		L	LE	NW	SW	NW	28	17S	35E	643222.0	3631111.0 *		813	215	70	145
L 05362		L	LE	SW	SE	SE	28	17S	35E	644444.0	3630117.0 *		945	140	80	60
L 04829 S5		L	LE		SW	NW	33	17S	35E	643347.0	3629400.0 *		975	220	90	130
L 04578		L	LE				33	17S	35E	643962.0	3629198.0 *		1237	126	60	66
L 03992		L	LE	SW	NE	NE	28	17S	35E	644426.0	3631327.0 *		1319	125	65	60
L 04880		L	LE		NE	SW	33	17S	35E	643757.0	3629002.0 *		1374	145	90	55
L 04829 S4		L	LE		NE	SW	29	17S	35E	642121.0	3630598.0 *		1429	200	90	110
L 10297		L	LE		NW	NW	34	17S	35E	644955.0	3629819.0 *		1523	150	42	108
L 01919 POD2		L	LE	NW	NW	NE	29	17S	35E	642410.0	3631507.0 *		1604	209	55	154
L 05834	R	L	LE	NE	NE	SE	33	17S	35E	644663.0	3629109.0 *		1686	160	70	90
L 04633		L	LE		NE	SE	33	17S	35E	644564.0	3629010.0 *		1698	130	65	65
L 05834 POD5		L	LE	NE	NE	SE	33	17S	35E	644751.9	3629029.3		1805	234	65	169
L 04829 S2		L	LE		SE	SW	27	17S	35E	645352.0	3630227.0 *		1826	220	90	130
L 04586		L	LE	SW	SW	SE	33	17S	35E	644065.0	3628502.0 *		1931	125	50	75
L 13479 POD3		L	LE	SE	SE	SW	27	17S	35E	645447.6	3630066.2		1939	76	70	6
L 13479 POD2		L	LE	NE	NE	NW	34	17S	35E	645479.6	3629941.3		1993	80	70	10
L 13479 POD1		L	LE	NE	NE	NW	34	17S	35E	645495.4	3630015.7		1995	80	70	10

Average Depth to Water: **70 feet**

Minimum Depth: **42 feet**

Maximum Depth: **90 feet**

Record Count: 17

Basin/County Search:
County: LE

UTM Filters (in meters):
Easting: 643529.91
Northing: 3630357.91
Radius: 02000

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

OSE POD Location Map

4/7/2025, 4:59:21 PM

GIS WATERS PODs

- Active
- Pending
- Plugged

OSE District Boundary

New Mexico State Trust Lands

Both Estates

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 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 =

- 324813103275901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

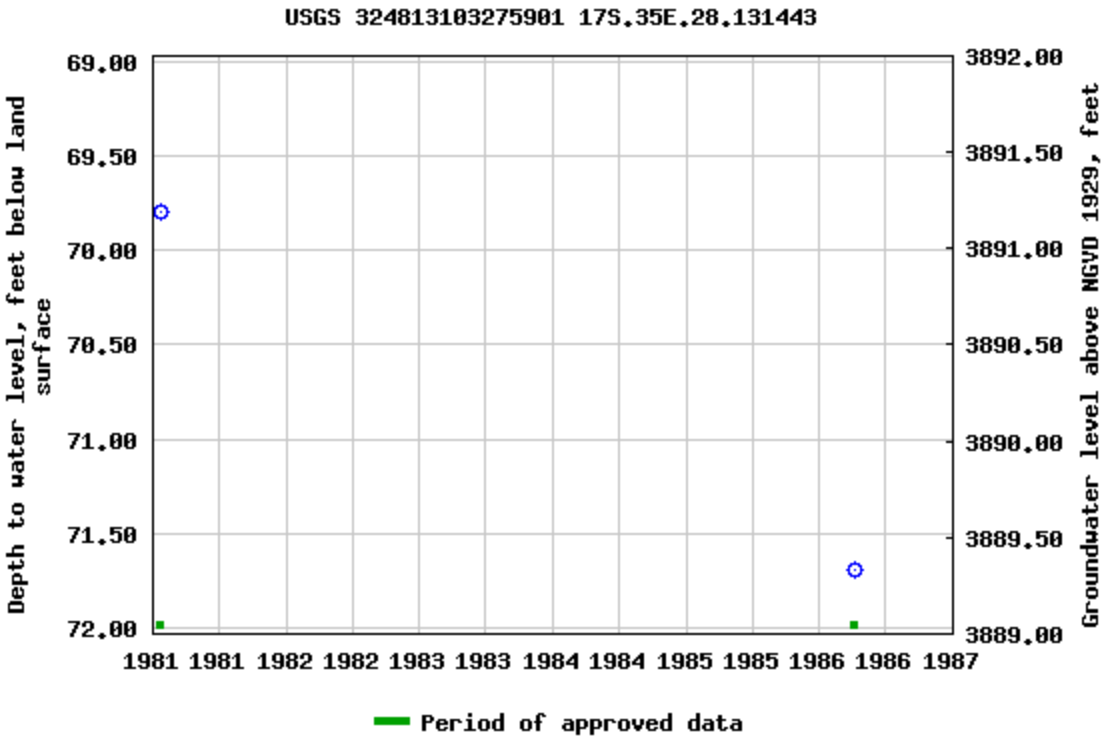
USGS 324813103275901 17S.35E.28.131443

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

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 32°48'28", Longitude 103°28'09" NAD27
Land-surface elevation 3,961.00 feet above NGVD29
The depth of the well is 215 feet below land surface.
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

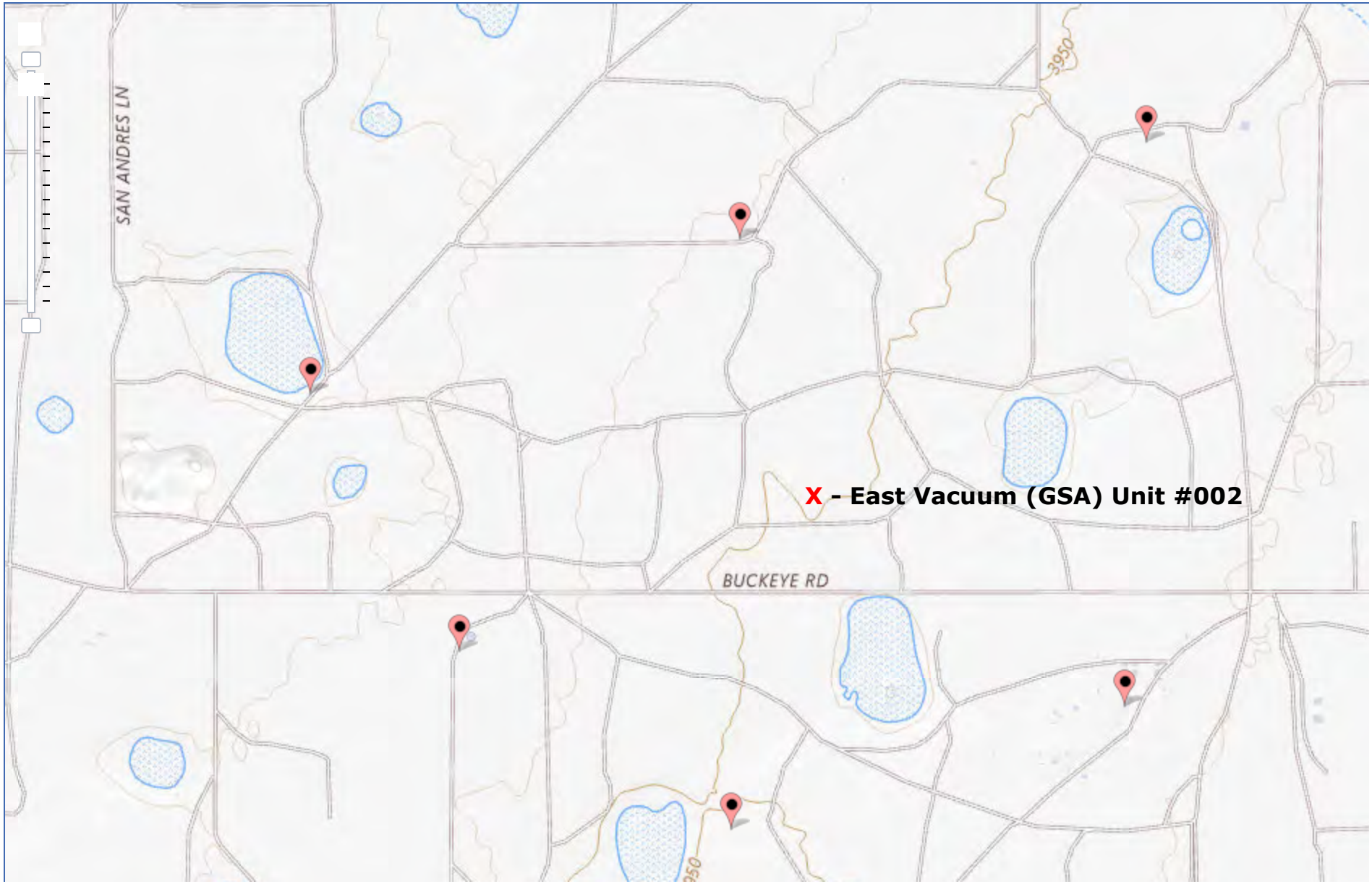


Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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

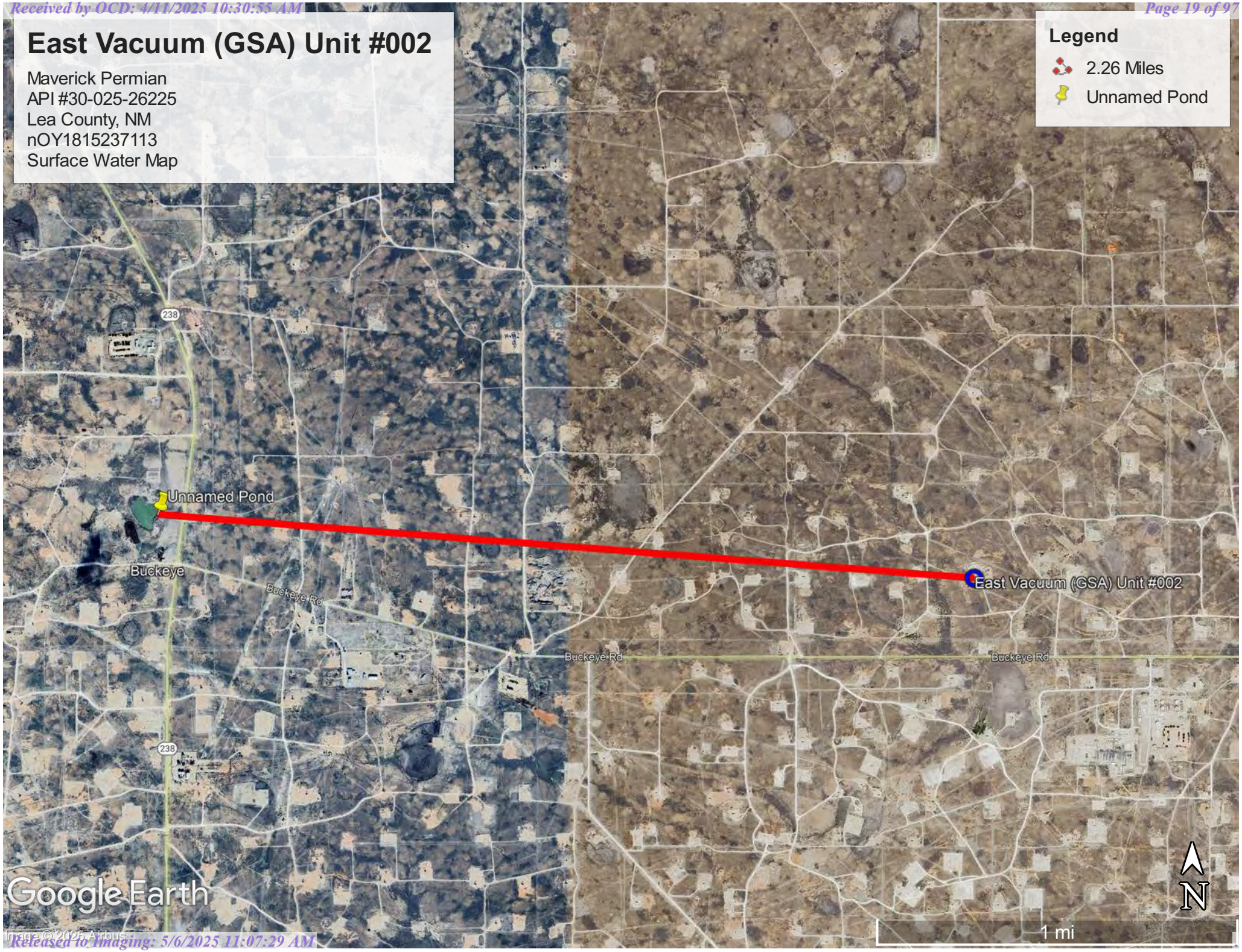
USGS science for a changing world

National Water Information System: Mapper



East Vacuum (GSA) Unit #002

Maverick Permian
API #30-025-26225
Lea County, NM
nOY1815237113
Surface Water Map



U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

April 7, 2025

Wetlands

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

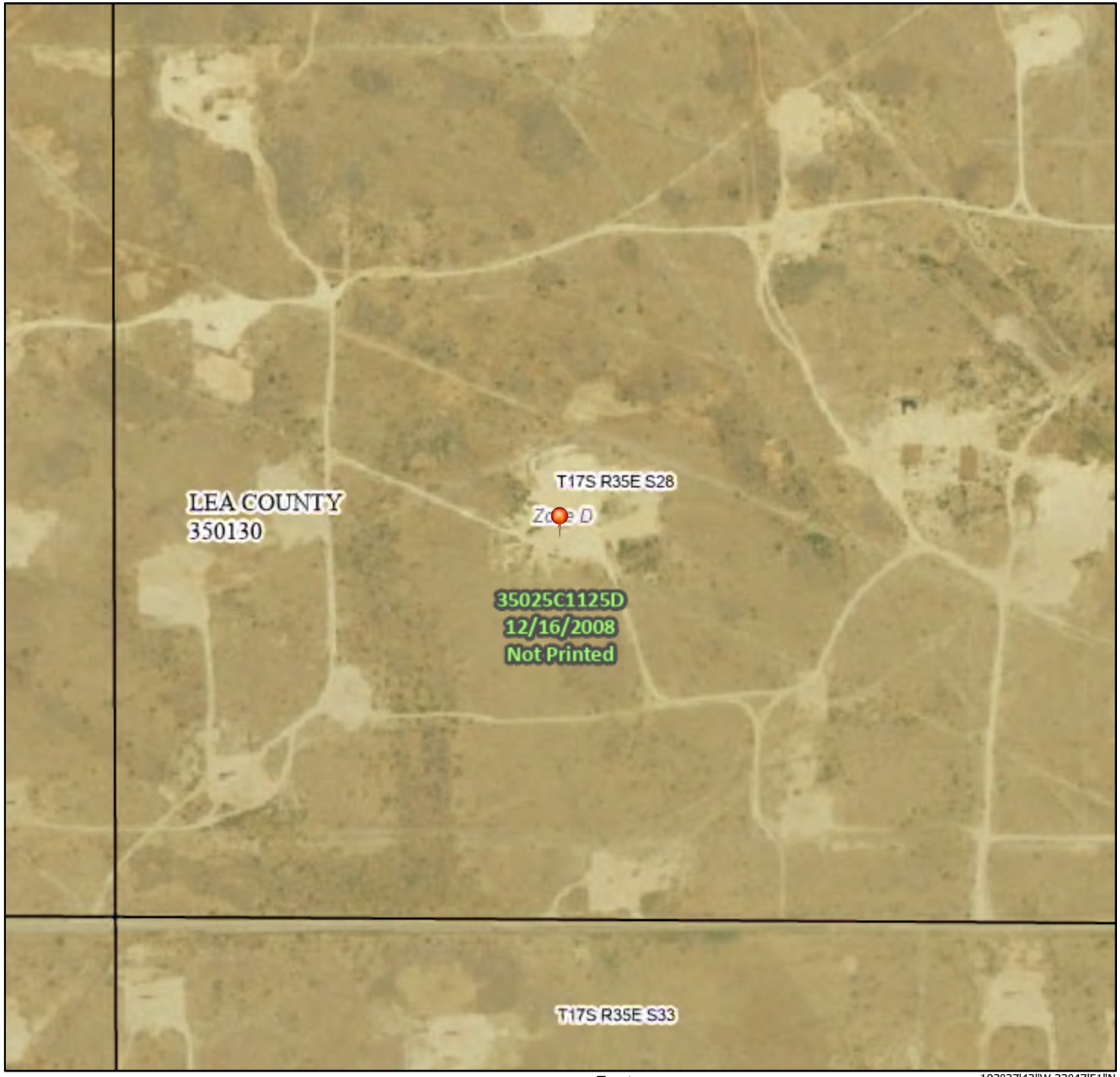
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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

National Flood Hazard Layer FIRMette

FEMA

103°28'20"W 32°48'21"N



103°27'43"W 32°47'51"N

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

1:6,000

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 4/7/2025 at 10:03 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.

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 LEGEND

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

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

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

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

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

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

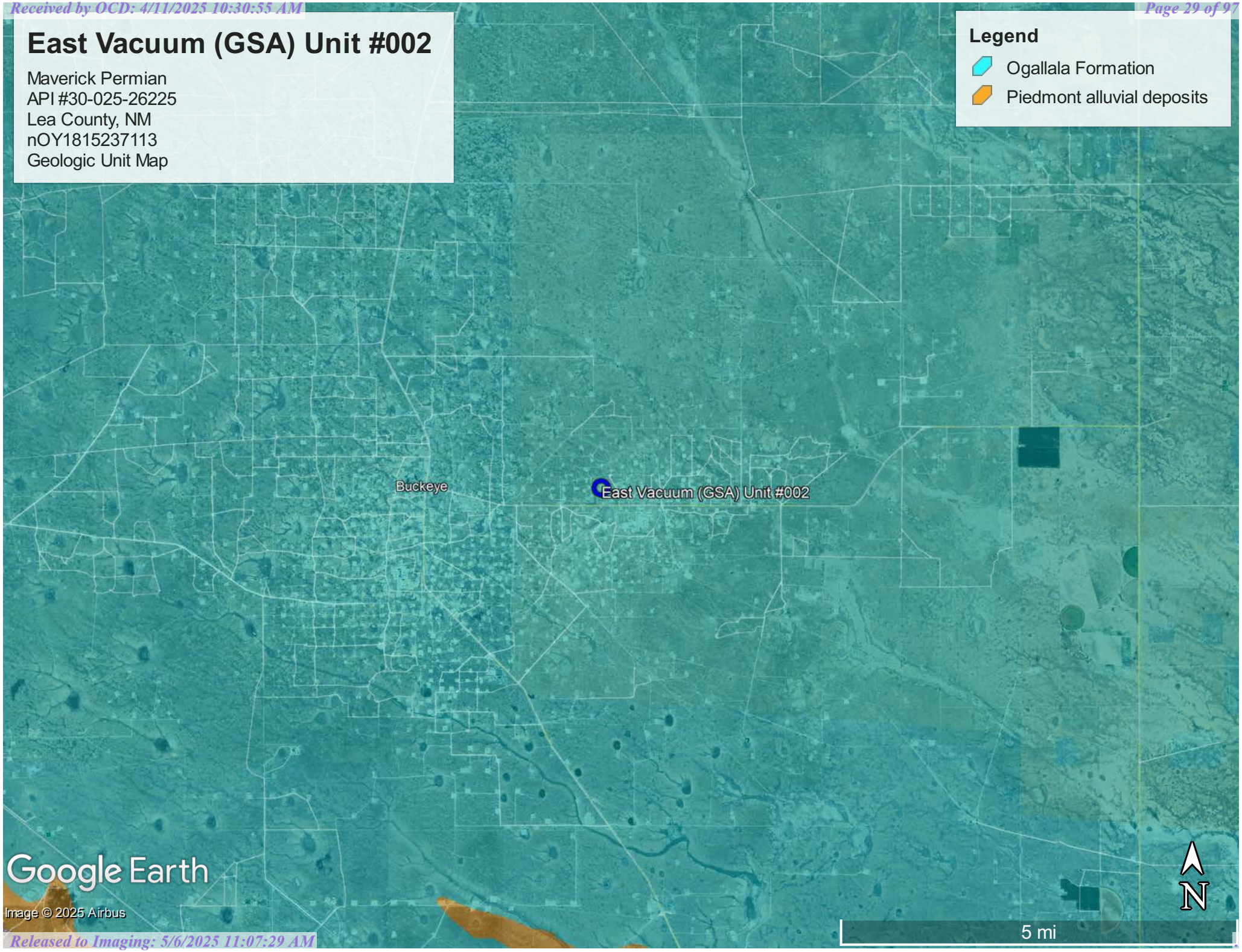
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	3.7	100.0%
Totals for Area of Interest		**3.7**	**100.0%**

East Vacuum (GSA) Unit #002

Maverick Permian
API #30-025-26225
Lea County, NM
nOY1815237113
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 #002 – nOY1815237113

Photographic Documentation
Maverick Permian, LLC
East Vacuum (GSA) Unit #002 – nOY1815237113

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

Appendix E

Closure Letter Report

TETRA TECH

November 17, 2020

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

Subject: **Closure Letter Report**
ConocoPhillips
1RP-5078
EVGSAU 2801-002 Stuffing Box Release
PLSS Unit Letter M, Section 28, 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) 2801-002 well (API No. 30-025-26225) is located approximately 2.24 miles East of Buckeye in Lea County, New Mexico. The release area (Site) is located in the Public Land Survey System (PLSS) Unit Letter M, Section 28, Township 17 South, and Range 35 East at GPS coordinates 32.80183°, -103.46704° (Figure 1).

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on May 28, 2018 a stuffing box leak at the EVGSAU 2801-002 well resulted in a release of 17.66 barrels (bbls) of oil and 39.30 bbls of produced water. The release area dimensions were reported as one 150-foot (ft) by 150-ft by 0.25-inch (in) deep area, one 100-ft by 100-ft by 3-in deep area, and a third 70-ft by 20-ft by 3-in deep area. During initial response activities, a vacuum truck recovered approximately 20 bbls of released fluids. Notice was given to the New Mexico Oil Conservation Division (NMOCD) on May 30, 2018. The initial C-141 was dated June 1, 2018 and submitted to NMOCD, who subsequently assigned the release the Remediation Permit (RP) number 1RP-5078.

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 are no water wells located within 800 meters (approximately ½-mile) of the release location. The search radius had to be extended to 1,200 meters (approximately ¾-mile) before any water wells (3) were encountered. The average depth to groundwater is 80 feet. The site characterization data is shown in Attachment B.

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): 1,000 mg/kg;
- TPH (GRO + DRO + ORO): 2,500 mg/kg;
- Chloride: 10,000 mg/kg (>4 ft bgs).

SUMMARY OF SITE REMEDIAL ACTIVITIES

Based on information provided by ConocoPhillips, the approximate release extent is depicted in Figure 1. In accordance with 19.15.29.8. B. (4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release", ConocoPhillips elected to begin remediation of the impacted area in April 2019. Remedial activities included excavating the visibly impacted soils. The visible footprint of the release was excavated to approximately 1 ft below ground surface (bgs). Photographic documentation of the remedial activities is included in Attachment C, and the remediation extent is shown in Figure 2.

ConocoPhillips collected a total of thirty (30) samples from ten (10) locations within the release extent interior on May 1, 2019 and sent to Cardinal Laboratories to be analyzed for TPH via EPA Method 8015M, BTEX via EPA Method 8021B and chlorides using EPA Method 4500-Cl B. Samples were collected from the excavation floor, as well as from soils beneath the excavation floor. Sampling locations are indicated on Figure 2. Copies of the laboratory analytical report and chain-of-custody documentation are included in Attachment D.

As the impacted surface area of a release occurred on a developed well pad, remediation was conducted to meet the standards of Table I of 19.15.29.12 NMAC, based on the site characterization above. Analytical results from the May 2019 sampling activities indicated elevated chloride concentrations above the reclamation RRAL of 600 mg/kg (0 – 4 ft bgs) at nine of the ten locations sampled. Analytical results associated with location SP#5 were only slightly above the reclamation threshold and those soils remained in place. Analytical results from the May 2019 sampling activities indicated TPH concentrations above the Site RRAL of 1000 mg/kg at two of the ten locations sampled. Analytical results for BTEX were below Site RRALs.

Based on the analytical results, portions of the release footprint were excavated an additional 1 ft (for a total of 2 ft bgs) to remove the remainder of impacted soils. The additional remediation extent is shown in Figure 2. The excavated soil was taken to an NMOCD-approved facility for disposal, and the excavated area was then backfilled with clean soil.

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 was identified from the description in the C-141 and correspondence with ConocoPhillips. Photographic documentation from the visual assessment is included as Attachment C. A list of observations made during the records review and visual Site inspection follow:

- According to information provided by ConocoPhillips, the Site was remediated and backfilled following the May 2019 activities.
- The most recently available historical aerial imagery (November 2017) is older than the reported release date (May 2018); therefore, no evidence of the release or remedial activities was available in aerial imagery for review.
- No surficial staining was noted at the point of release or the in the reported release extent during the June 2020 visual Site inspection.

- The release extent was contained within the boundaries of the caliche well pad, and no impacts to the surrounding pasture areas were observed during the June 2020 visual Site inspection.

CONCLUSION

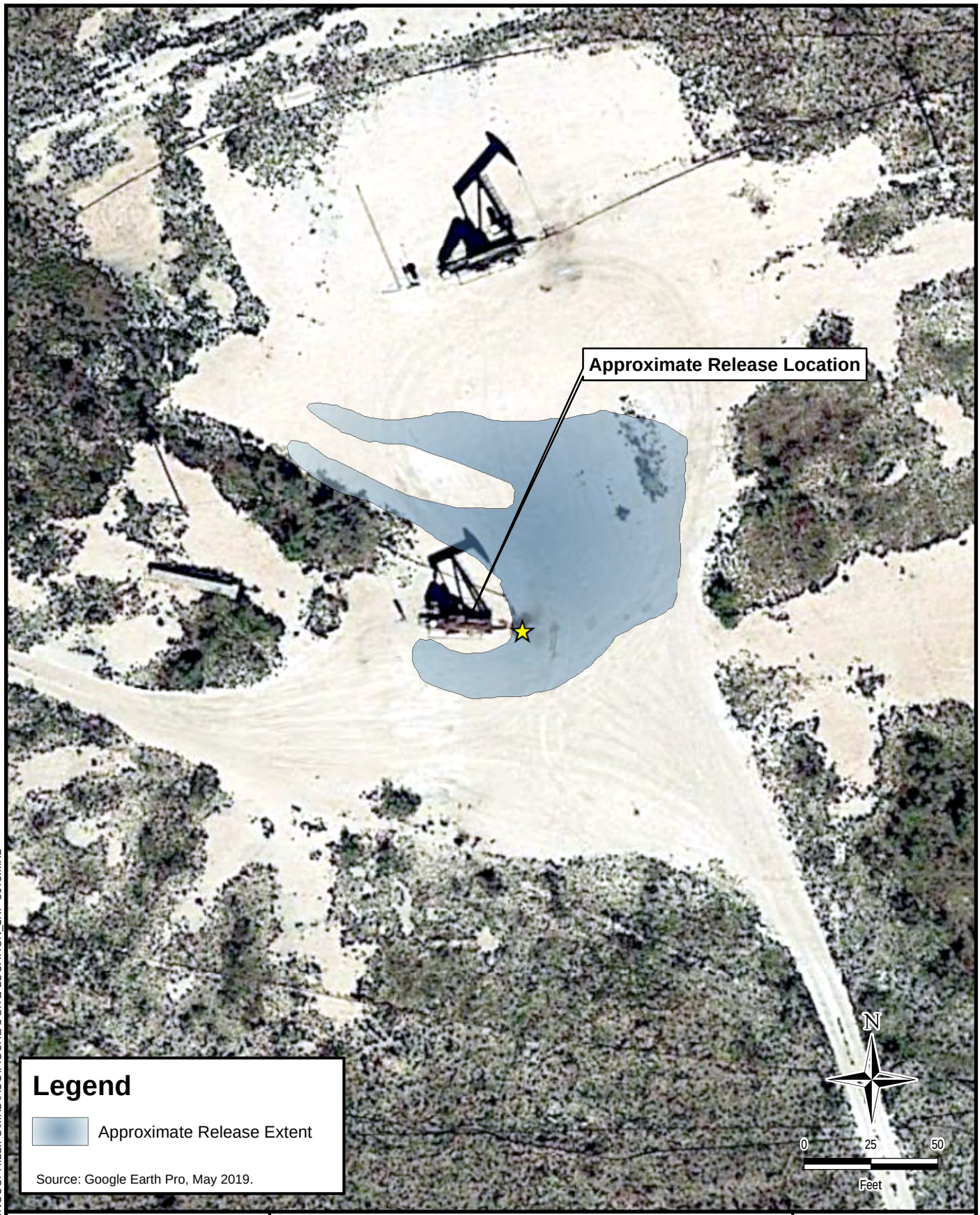
Based on the remediation work performed at the Site and the recent visual Site inspection, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A

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-5078.MXD

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

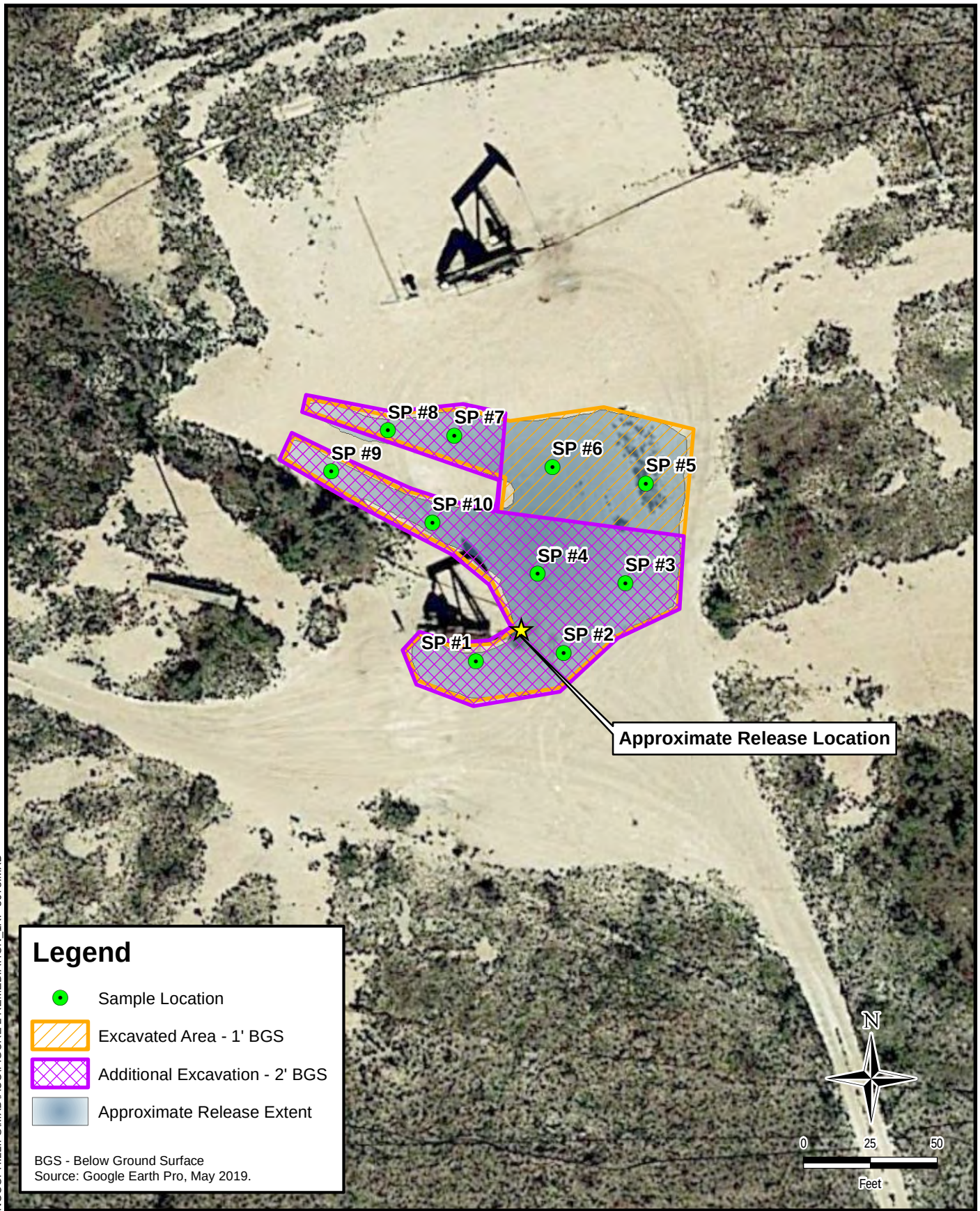
CONOCOPHILLIPS

1RP-5078
(32.8018303°, -103.467041°)
LEA COUNTY, NEW MEXICO

EVGSAU 2801-002 STUFFING BOX RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-02307
DATE:	OCTOBER 14, 2020
DESIGNED BY:	AAM

Figure No.
1



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\ACO\FIGURE 2 REMEDIATION_1RP-5078.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-5078
(32.8018303°, -103.467041°)
LEA COUNTY, NEW MEXICO

EVGSAU 2801-002 STUFFING BOX RELEASE
REMEDIATION EXTENT AND SAMPLE LOCATIONS

PROJECT NO.:	212C-MD-02307
DATE:	OCTOBER 14, 2020
DESIGNED BY:	AAM

Figure No.
2

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
CONOCOPHILLIPS
EVGSAU 2801-002 STUFFING BOX RELEASE
1RP-5078
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[4] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
SP #1	5/1/2019	1	***9060***		< 0.05		< 0.05		0.054		0.433		0.486		24		268		364		656	
		4	944		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		1120		192		1312	
		6	976		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		35.9		< 10.0		35.9	
SP #2	5/1/2019	1	***2160***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		285		107		392	
		4	384		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		8	352		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #3	5/1/2019	1	***7460***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		285		107		392	
		4	576		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		8	480		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #4	5/1/2019	1	***8000***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		1090		439		***1539***	
		4	544		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		21		< 10.0		21	
		6	256		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #5	5/1/2019	1	***640***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		150		45.9		205.9	
		4	80		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		7	192		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #6	5/1/2019	1	480		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		643		169		822	
		4	304		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		6	704		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #7	5/1/2019	1	***1800***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		141		139		290	
		4	384		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		6	256		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #8	5/1/2019	1	***5200***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		118		127		255	
		4	640		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		8	272		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #9	5/1/2019	1	***4200***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		871		419		***1300***	
		4	208		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		8	144		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
SP #10	5/1/2019	1	***784***		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		695		165		870	
		4	80		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	
		7	80		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30		< 10.0		< 10.0		< 10.0		ND	

NOTES:

Shaded intervals indicate soil horizon removed as a result of additional excavation.

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

ORO Oil range organics

Q Qualifier

1 EPA Method SM4500Cl-B

2 EPA Method 8260B

3 EPA Method 8015

4 EPA Method 8015D/GRO

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: **Cullen Rosine**
Address: **29 Vacuum Complex Lane**	Telephone No. **575-391-3133**
Facility Name: EVGSAU 2801-002	Facility Type: Producing Well

Surface Owner: State	Mineral Owner: N/A	State	API No.30-025-26225

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	28	17S	35E					**Lea**

Latitude 32.8018303 **Longitude** -103.467041

NATURE OF RELEASE

Type of Release: **Oil and Produced water**	Volume of Release: 17.66 BO 39.30 BPW	Volume Recovered: 20 BBL
Source of Release: Stuffing Box	Date and Hour of Occurrence **5-28-2018 6:30 PM**	Date and Hour of Discovery **5-29-2018 6:30 AM**
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? Olivia Yu	
By Whom? **Cullen Rosine**	Date and Hour: **5-30-2018 8:30 AM via phone/email**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

RECEIVED
By Olivia Yu at 10:15 am, Jun 01, 2018

Describe Cause of Problem and Remedial Action Taken. A stuffing box leak resulted in a 56.96 BBL release with 20 BBL recovered. The spill site will be remediated per NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. *
Area 1 – 150' x 150' x .25"
Area 2 – 100' x 100' x 3"
Area 3 – 70' x 20' x 3"

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: *Cullen Rosine*

Printed Name: Cullen Rosine

Title: HSE Specialist

E-mail Address: ***Cullen.J.Rosine@conocophillips.com***

Date: 5/30/2018 Phone:575-391-3133

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 6/1/2018 Expiration Date:

Conditions of Approval:
See attached directive

Attached ☑

* Attach Additional Sheets If Necessary

1RP -5078 pOY1815237637

nOY1815237113

State of New Mexico
Oil Conservation Division

Incident ID	NOY1815237113
District RP	1RP-5078
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 Robert Beauvais II Title: Environmental Coordinator

Signature: Charles R. Beauvais II Date: 11/17/2020

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

OCD Only

Received by: Jocelyn Harimon Date: 04/17/2023

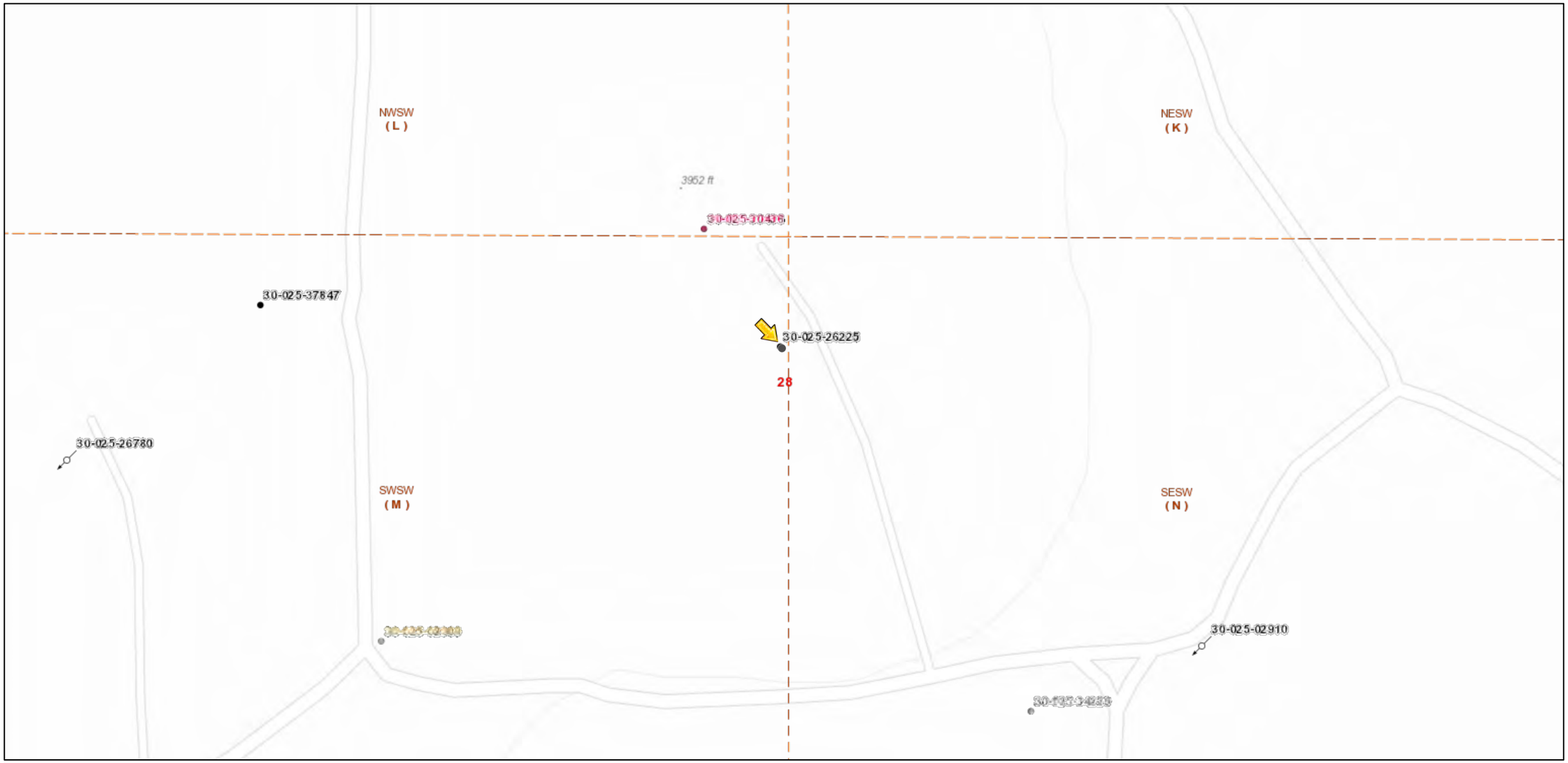
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: CLOSURE NOT APPROVED Date: 04/17/2023

Printed Name: Jocelyn Harimon Title: Environmental Speciailist

ATTACHMENT B
Site Characterization Data

1RP-5078



7/24/2020, 2:06:30 PM

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

1:2,257

0 0.02 0.04 0.09 mi

0 0.04 0.07 0.14 km

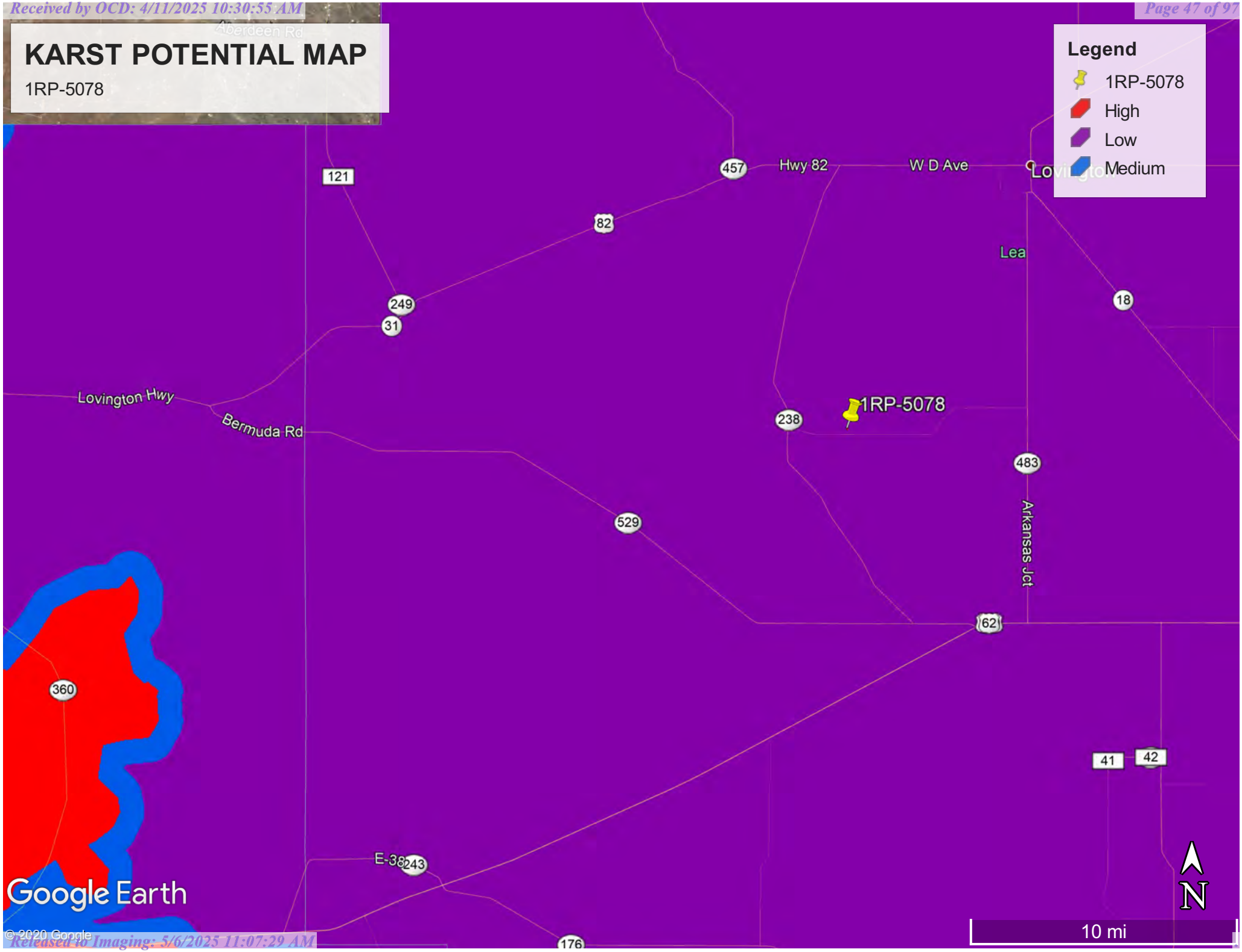
Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

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-5078



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 S3	L	LE	1	3	1	28	17S	35E	643222	3631111*	813	215	70	145
L 05362	L	LE	3	4	4	28	17S	35E	644444	3630117*	945	140	80	60
L 04829 S5	L	LE		3	1	33	17S	35E	643347	3629400*	975	220	90	130

Average Depth to Water: **80 feet**

Minimum Depth: **70 feet**

Maximum Depth: **90 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 643530 **Northing (Y):** 3630357.88 **Radius:** 1200

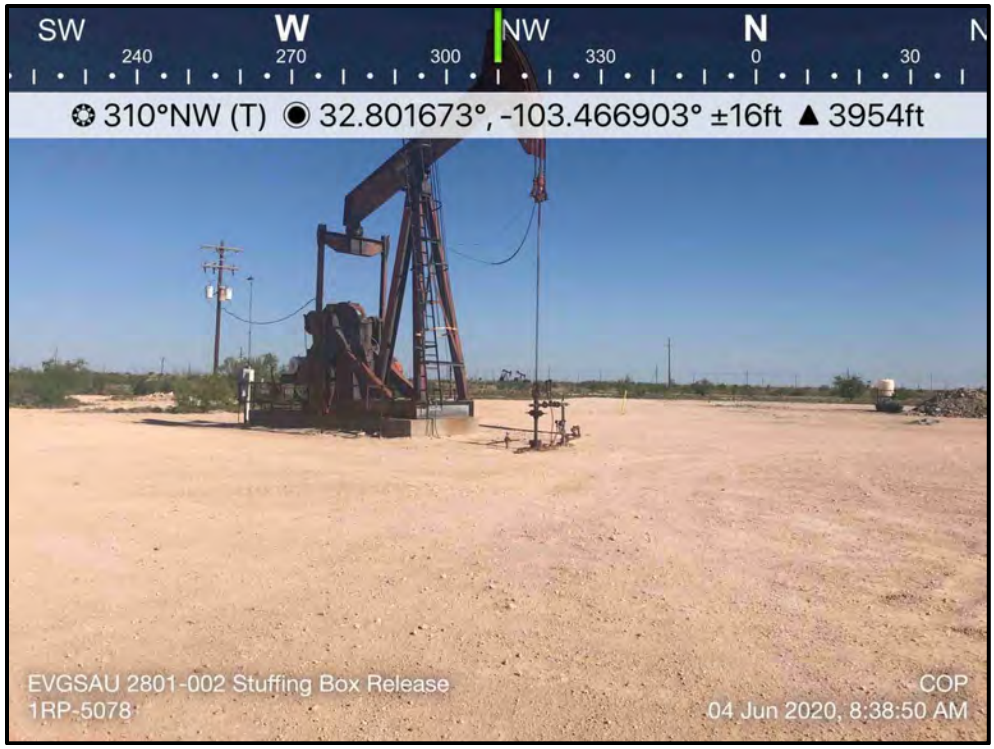
***UTM location was derived from PLSS - see Help**

ATTACHMENT C
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of excavation on well pad.	1
	SITE NAME	EVGSAU 2801-002 Stuffing Box Release	5/30/2019

TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northwest of excavation on well pad.	2
	SITE NAME	EVGSAU 2801-002 Stuffing Box Release	5/30/2019

TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northeast of excavation on well pad.	3
	SITE NAME	EVGSAU 2801-002 Stuffing Box Release	5/30/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northwest of well pad.	4
	SITE NAME	EVGSAU 2801-002 Stuffing Box Release	6/4/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northwest of well pad.	5
	SITE NAME	EVGSAU 2801-002 Stuffing Box Release	6/4/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of lease road adjacent to well pad.	6
	SITE NAME	EVGSAU 2801-002 Stuffing Box Release	6/4/2020

ATTACHMENT D
Laboratory Analytical Report

CARDINAL Laboratories

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

May 08, 2019

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: EVGSAU 2801-002

Enclosed are the results of analyses for samples received by the laboratory on 05/02/19 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 1 - 1' (H901593-01)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	**0.054**	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	**0.433**	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	**0.486**	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9060**	16.0	05/07/2019	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**24.0**	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	**268**	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	**364**	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *59.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *69.3 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 1 - 4' (H901593-02)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**944**	16.0	05/07/2019	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	**1120**	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	**192**	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *97.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *150 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 1 - 6' (H901593-03)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**976**	16.0	05/07/2019	ND	400	100	400	3.92	

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	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	**35.9**	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *97.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *113 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 2 - 1' (H901593-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2160**	16.0	05/07/2019	ND	400	100	400	3.92	

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	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	**285**	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	**107**	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *92.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *110 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 2 - 4' (H901593-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	05/07/2019	ND	400	100	400	3.92	

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	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *91.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *105 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 2 - 8' (H901593-06)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *91.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *105 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 3 - 1' (H901593-07)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7460**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/03/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *89.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *86.1 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 3 - 4' (H901593-08)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/03/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *94.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *91.3 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 3 - 8' (H901593-09)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/03/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *92.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *83.8 %* *37.6-147*

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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:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 4 - 1' (H901593-10)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.6 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8000**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**1090**	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	**439**	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *98.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *116 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 4 - 4' (H901593-11)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.6 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/03/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**21.0**	10.0	05/03/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *93.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *85.8 %* *37.6-147*

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 4 - 6' (H901593-12)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.8 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/03/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane *86.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *78.2 %* *37.6-147*

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 5 - 1' (H901593-13)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**150**	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	**45.9**	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *93.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *99.4 %* *37.6-147*

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 5 - 4' (H901593-14)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.4 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *109 %* *41-142*

Surrogate: 1-Chlorooctadecane *100 %* *37.6-147*

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 5 - 7' (H901593-15)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.2 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *94.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *86.3 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 6 - 1' (H901593-16)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.9 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**643**	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	**169**	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *83.9 %* *41-142*

Surrogate: 1-Chlorooctadecane *93.7 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 6 - 4' (H901593-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.6 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *91.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *82.4 %* *37.6-147*

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CARDINAL Laboratories

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 6 - 6' (H901593-18)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *94.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *85.5 %* *37.6-147*

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 7 - 1' (H901593-19)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.9 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1800**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**141**	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	**139**	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *77.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *77.2 %* *37.6-147*

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CARDINAL Laboratories

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Analytical Results For:

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Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 7 - 4' (H901593-20)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.0 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *101 %* *41-142*

Surrogate: 1-Chlorooctadecane *91.0 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 7 - 6' (H901593-21)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.9 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *102 %* *41-142*

Surrogate: 1-Chlorooctadecane *92.1 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 8 - 1' (H901593-22)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.7 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5200**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**118**	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	**127**	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *92.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *89.7 %* *37.6-147*

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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:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 8 - 4' (H901593-23)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *81.1 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *102 %* *41-142*

Surrogate: 1-Chlorooctadecane *92.8 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 8 - 8' (H901593-24)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *87.2 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *102 %* *41-142*

Surrogate: 1-Chlorooctadecane *92.9 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 9 - 1' (H901593-25)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.8 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4200**	16.0	05/07/2019	ND	400	100	400	4.08	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	**871**	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	**419**	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *92.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *107 %* *37.6-147*

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 9 - 4' (H901593-26)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.5 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	05/07/2019	ND	416	104	400	0.00	

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	05/04/2019	ND	212	106	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/04/2019	ND	204	102	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	05/04/2019	ND					

Surrogate: 1-Chlorooctane *117 %* *41-142*

Surrogate: 1-Chlorooctadecane *112 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 9 - 6' (H901593-27)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.0 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/07/2019	ND	416	104	400	0.00	

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	05/06/2019	ND	195	97.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/06/2019	ND	201	101	200	10.0	
EXT DRO >C28-C36	<10.0	10.0	05/06/2019	ND					

Surrogate: 1-Chlorooctane *95.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *107 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 10 - 1' (H901593-28)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.2 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**784**	16.0	05/07/2019	ND	416	104	400	0.00	

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	05/06/2019	ND	195	97.7	200	1.90	
DRO >C10-C28*	**695**	10.0	05/06/2019	ND	201	101	200	10.0	
EXT DRO >C28-C36	**165**	10.0	05/06/2019	ND					

Surrogate: 1-Chlorooctane *87.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *118 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 10 - 4' (H901593-29)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *87.7 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/07/2019	ND	416	104	400	0.00	

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	05/06/2019	ND	195	97.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/06/2019	ND	201	101	200	10.0	
EXT DRO >C28-C36	<10.0	10.0	05/06/2019	ND					

Surrogate: 1-Chlorooctane *92.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *103 %* *37.6-147*

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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:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU 2801-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP # 10 - 7' (H901593-30)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	4.31	
Toluene*	<0.050	0.050	05/06/2019	ND	2.07	103	2.00	0.487	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.13	107	2.00	2.65	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.08	101	6.00	2.33	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *85.3 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/07/2019	ND	416	104	400	0.00	

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	05/06/2019	ND	195	97.7	200	1.90	
DRO >C10-C28*	<10.0	10.0	05/06/2019	ND	201	101	200	10.0	
EXT DRO >C28-C36	<10.0	10.0	05/06/2019	ND					

Surrogate: 1-Chlorooctane *90.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *101 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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(575) 393-2326 Fax (575) 393-2476

Page_____ of _____

Company Name: ConocoPhillips
Project Manager: Justin Wright
Address:
City: Hobbs State: NM Zip: 88240
Phone #: 575-631-9092 Fax #:
Project #: Project Owner:
Project Name: EVGSAU ~~[illegible]~~ 2801-002
Project Location: Lea County, NM
Sampler Name: Justin Wright

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	TPH	BTEX	TPH-Extended
H901593																		
1	SP#1-1'	G				✓					✓		5-1	7:30	✓	✓	✓	✓
2	SP#1-4'	G				✓					✓		5-1	7:38	✓	✓	✓	✓
3	SP#1-6'	G				✓					✓		5-1	7:45	✓	✓	✓	✓
4	SP#2-1'	G				✓					✓		5-1	7:50	✓	✓	✓	✓
5	SP#2-4'	G				✓					✓		5-1	7:54	✓	✓	✓	✓
6	SP#2-8'	G				✓					✓		5-1	7:59	✓	✓	✓	✓
7	SP#3-1'	G				✓					✓		5-1	8:04	✓	✓	✓	✓
8	SP#3-4'	G				✓					✓		5-1	8:11	✓	✓	✓	✓
9	SP#3-8'	G				✓					✓		5-1	8:17	✓	✓	✓	✓
10	SP#4-1'	G				✓					✓		5-1	8:24	✓	✓	✓	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Date: 5-2-19 Time: 3:26 PM Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Temp. -0.9°C #497
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T.O.

Phone Result: ☐ No Add'l Phone #:
Fax Result: ☐ No Add'l Fax #:
REMARKS:

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Page_____ of _____

Company Name:	ConocoPhillips
Project Manager:	Justin Wright
Address:	
City:	Hobbs
State:	NM
Zip:	88240
Phone #:	575-631-9082
Fax #:	
Project #:	
Project Owner:	
Project Name:	EVGSAU 2801-002
Project Location:	Lea County, NM
Sampler Name:	Justin Wright

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	TPH	BTEX	TPH-Extended
H901593																		
11	SP#1-4'	G				✓					✓		5-1	8:31	✓	✓	✓	✓
12	SP#4-6'	G				✓					✓		5-1	8:39	✓	✓	✓	✓
13	SP#5-1'	G				✓					✓		5-1	8:44	✓	✓	✓	✓
14	SP#5-4'	G				✓					✓		5-1	8:52	✓	✓	✓	✓
15	SP#5-7'	G				✓					✓		5-1	8:59	✓	✓	✓	✓
16	SP#6-1'	G				✓					✓		5-1	9:20	✓	✓	✓	✓
17	SP#6-4'	G				✓					✓		5-1	9:24	✓	✓	✓	✓
18	SP#6-6'	G				✓					✓		5-1	9:32	✓	✓	✓	✓
19	SP#7-1'	G				✓					✓		5-1	9:39	✓	✓	✓	✓
20	SP#7-4'	G				✓					✓		5-1	9:51	✓	✓	✓	✓

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Sampler Relinquished:	Date: 5-2-19	Received By:	
Relinquished By:	Time: 3:26 PM	Received By:	
	Date:		
	Time:		

Phone Result:	☐	No	Add'l Phone #:
Fax Result:	☐	No	Add'l Fax #:
REMARKS:			

Delivered By: (Circle One)	Temp.	Sample Condition: Cool	Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	-0.9° H97	☐ Yes ☐ No	☐ Yes ☐ No	J.C.

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Page____ of ____

Company Name:	ConocoPhillips
Project Manager:	Justin Wright
Address:	
City:	Hobbs
State:	NM
Zip:	88240
Phone #:	575-631-9098
Fax #:	
Project #:	
Project Owner:	
Project Name:	EVGSAU 2801-002
Project Location:	Lea County, NM
Sampler Name:	Justin Wright

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	Chlorides	TPH	BTEX	TPH-Extended
H901593		G				✓					✓			10:02	✓	✓	✓	✓
21	SP#7-6'	G				✓					✓		5-1	10:07	✓	✓	✓	✓
22	SP#8-1'	G				✓					✓		5-1	10:14	✓	✓	✓	✓
23	SP#8-4'	G				✓					✓		5-1	10:20	✓	✓	✓	✓
24	SP#8-8'	G				✓					✓		5-1	10:26	✓	✓	✓	✓
25	SP#9-1'	G				✓					✓		5-1	10:35	✓	✓	✓	✓
26	SP#9-4'	G				✓					✓		5-1	10:41	✓	✓	✓	✓
27	SP#9-6'	G				✓					✓		5-1	10:44	✓	✓	✓	✓
28	SP#10-1'	G				✓					✓		5-1	10:53	✓	✓	✓	✓
29	SP#10-4'	G				✓					✓		5-1	11:04	✓	✓	✓	✓
30	SP#10 7'	G																

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Sampler Relinquished:	Date: 5-2-19	Received By:	
Relinquished By:	Time: 3:26 pm	Received By:	
	Date:		
	Time:		

Phone Result:	☐	No	Add'l Phone #:
Fax Result:	☐	No	Add'l Fax #:
REMARKS:			

Delivered By: (Circle One)	Temp.	Sample Condition Cool	Sample Condition Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	-0.9c #97	☑ Yes ☐ No	☑ Yes ☐ No	TO.

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

QUESTIONS

Action 451137

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nOY1815237113**
Incident Name	**NOY1815237113 EAST VACUUM (GSA) UNIT #002 @ 30-025-26225**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-025-26225] EAST VACUUM (GSA) UNIT #002**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EAST VACUUM (GSA) UNIT #002
Date Release Discovered	05/29/2018
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 | Well | Crude Oil | Released: 18 BBL | Recovered: 17 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Well | Produced Water | Released: 40 BBL | Recovered: 3 BBL | Lost: 37 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)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*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: 07/17/2024

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	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 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (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	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9060
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1539
GRO+DRO (EPA SW-846 Method 8015M)	1120
BTEX (EPA SW-846 Method 8021B or 8260B)	0.5
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	07/01/2025
On what date will (or did) the final sampling or liner inspection occur	07/15/2025
On what date will (or was) the remediation complete(d)	07/31/2025
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	6568
What is the estimated volume (in cubic yards) that will be remediated	973
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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: 04/11/2025
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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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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Phone: (505) 476-3441

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

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**354335**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/16/2024**
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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 451137
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions: 1) Refer to Figure 2 from the 4/17/23 rejected closure report for sample locations. Move sample point 7 on Proposed Sample Map to location of SP#9 from previous sampling event. Then, add one more delineation sample point between the new location of 7 and sample point 6, collecting a total of 18 delineation samples within the release area. 2) The variance request is approved to use delineation samples for closure however a C-141N should be submitted at least two business days prior to sample collection. Submit a remediation closure report to the OCD by 8/4/25.	5/6/2025