



Site Characterization & Remediation Plan

**Extex Operating Company
Indigo Federal #001
Eddy County, New Mexico
Unit L, Section 13, Township 20 South, Range 28 East
Latitude 32.570957° North, Longitude -104.137466° West
NMOCD Incident # nAPP2526247417**

Prepared For:

Extex Operating Company
1616 S Voss Rd., Suite 400
Houston, Texas 77057

Prepared By:

COMM Engineering, Inc
1319 W Pinhook Rd., Suite 401
Lafayette, LA 70503

December 4, 2025



December 4th, 2025

Project: #250607

Site Characterization & Remediation Plan:

Indigo Federal #001
Unit L, Section 13, Township 20 South,
Range 28 East
Eddy County, New Mexico
API: 30-015-26478
Incident: nAPP2526247417

Prepared For:

Extex Operating Company
1616 S. Voss Rd., Suite 400
Houston, Texas 77057

New Mexico Oil Conservation Division – District 2 – Artesia

506 W. Texas Ave.
Artesia, NM 88210

This letter provides a description of the *Site Characterization and Remediation Plan*.

Background:

Extex Operating Company (Extex) retained COMM Engineering, Inc. (COMM), to conduct a *Site Characterization & Remediation Plan* for the September 17, 2025, release that occurred at the Indigo Federal #001, API 30-015-26478 (hereafter referred to as “Site”). Extex provided notification of the release to New Mexico Oil Conservation Division (NMOCD) District 2, via submission of an initial C-141 Release Notification on September 19, 2025.

Site Information:

The Indigo Federal #001 is located approximately 34.3 miles southeast of the district 2 New Mexico OCD office located at 506 W. Texas Ave., Artesia, NM 88210. The legal description of the site is Unit Letter L, Section 13, Township 20 South and Range 28 East in Eddy County, New Mexico. The latitude and longitude for the site are 32.570957° North and 104.137466° West.

Groundwater and Site Characterization:

Based on the New Mexico Office of the State Engineer database, the nearest reported groundwater depth (CP 01862 POD 1) is 63 feet below ground surface (bgs) and located at 32.58058° North, -104.15827° West, 1.38 miles northwest of the site.

There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is Palmilla Draw, located 1.36 miles west of the site. There are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features within range as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. No site receptors exist per 19.15.29.12(C)(4) NMAC. The site is not within a 100-year floodplain and is in a high-risk karst area.

Outside of being in a high-risk, potentially unstable karst area, the impacted area for this site is not within range of any of the following as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC:

- 300 feet of any continuously flowing watercourse or any other significant watercourse
- 200 feet of any lakebed, sinkhole or a playa lake
- 300 feet from an occupied permanent residence, school, hospital, institution or church
- 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
- 1000 feet of any freshwater well or spring
- Incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
- 300 feet of a wetland
- Area overlying a subsurface mine
- Unstable area
- 100-year floodplain

None of the following were a result of this release:

- Fire
- Endangerment to public health
- Fresh water contamination
- Injurie(s)
- Reasonable probability of reaching a significant watercourse.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are designated as Gypsum land-Reeves complex, 0 to 3 percent slopes. Drainage courses in this area are typically well drained. Surface geology consists of Piedmont Alluvial Deposits (Holocene to lower Pliocene). There is a high potential for karst geology to be present in the area of the Indigo Federal #001.

Incident Description:

Approximately 24 bbls of crude oil was released after another operator frac'd into a producing zone of the Indigo Federal #001, causing a storage tank located at the Indigo Federal #001 battery to overflow. 24 bbls were released and contained within secondary containment, 20 bbls were recovered utilizing vacuum trucks, 4 bbls were left. The entirety of the impacted area is

located on-pad and within secondary containment. The release was discovered on 9/17/2025. COMM Engineering arrived to the site on 10/22/2025 to conduct a *Release & Site Assessment*.

Site Assessment Activities:

COMM Engineering arrived on location on 10/22/2025 to conduct a *Release & Site Assessment* in preparation for completing and submitting this *Site Characterization & Remediation Plan* for approval by the NMOCD. Measurements of the impacted area were recorded, and photographs were taken. Delineation samples were collected on 10/22/2025. Horizontally, the impacted area is 176' X 35', equaling 6,160 ft².

Soil sampling occurred as follows:

- (6) Grab soil samples were collected from the impacted area for assessment purposes.
- Delineation occurred at three sample points (D1, D2, D3) at depths of 1' and 2' bgs.

COMM collected 6 soil samples in total within the impacted area. Soil samples were immediately placed and maintained on ice, in custody of COMM personnel until relinquished to Cardinal Laboratories in Hobbs, New Mexico, a certified laboratory with the State of New Mexico.

Upon receiving the certified analytical results from delineation sampling conducted on 10/22/2025, significant contamination beyond the strictest *Table I Closure Criteria for Soils Impacted by a Release* exists beyond 2 feet below ground surface (bgs).

Remediation Plan:

Upon approval of this *Site Characterization and Remediation Plan*, excavation will commence as soon as possible and a *Remediation Summary and Closure Request* will be completed and submitted to the NMOCD within 90 days. Based on certified laboratory analytical results, site characteristics and field observations made during the *Release & Site Assessment*, Extex proposes the following remediation activities:

- Utilize heavy equipment and manual labor to excavate and remove contaminated soil from the site.
- The contaminated soil to be excavated is estimated to be **176' X 35' X 4' bgs**, equaling **6,160 ft², 24,640 ft³, 913 yd³**.
- Contaminated soil will be immediately transported to a licensed contaminated soil disposal facility.
- No contaminated soils will be stockpiled on location after excavation.
- After excavation, the impacted area will be sampled for confirmation that all remaining soils are under the strictest *Table I Closure Criteria for Soils Impacted by a Release*.
- The proper two-day notice will be provided to the NMOCD prior to confirmation sampling.
- Five-Point Composite samples will be obtained throughout the entire excavated area to confirm impacted soils are within the most stringent *Table I Closure Criteria for Soils Impacted by a Release*. Soil samples will be immediately placed and maintained on ice,

in custody of COMM personnel until relinquished to Cardinal Laboratories in Hobbs, New Mexico.

- We respectfully request NMOCD approval for five-point composite samples to be representative of up to 400 ft², as opposed to the standard 200 ft², in regards to confirmation sampling.
- Horizontal delineation confirmation samples will be collected from the surface of each cardinal direction of the impacted area.

Table 1 Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
< 50 feet depth to groundwater.	Total Chlorides	EPA 300.0 or SM4500 CI B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg



Showing the sampling grid for the Indigo Federal #001 delineation assessment samples collected on 10/22/2025



Sampling Log – Table 2

Project: 250607	Date: 10/22/2025
Client: Extex Operating Company	Site: Indigo Federal #001
Standard: <50 feet depth to groundwater	Sampler: Ryan Gleason

Sample Id	Depth	Area	Method <i>(Grab or 5-Point Composite)</i>	Odor or Staining	Notes
D1	1'	Secondary Containment	Grab	Yes	Clay Loam
D1	2'	Secondary Containment	Grab	Yes	Clay Loam
D2	1'	Secondary Containment	Grab	Yes	Clay Loam
D2	2'	Secondary Containment	Grab	Yes	Clay Loam
D3	1'	Secondary Containment	Grab	Yes	Clay Loam
D3	2'	Secondary Containment	Grab	Yes	Clay Loam

A: Assessment

C: Confirmation

D: Delineation

F: Floor

SW: Sidewall

BG: Background



Table 3 Certified Analytical Results Summary									
Sample Id	Date	Depth	TPH C6-C36 (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	Chloride (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
D1 1'	10/22/2025	1'	19000	1840	14900	2260	3680	58	<0.050
D1 2'	10/22/2025	2'	4824	499	3760	565	1760	45.5	<0.050
D2 1'	10/22/2025	1'	12130	1940	9210	980	1790	103	<0.050
D2 2'	10/22/2025	2'	18320	1580	14600	2140	7280	99.2	<0.050
D3 1'	10/22/2025	1'	9921	743	8380	798	2060	10.2	<0.050
D3 2'	10/22/2025	2'	4173.3	98.3	3560	515	4920	1.44	<0.050

A: Assessment

C: Confirmation

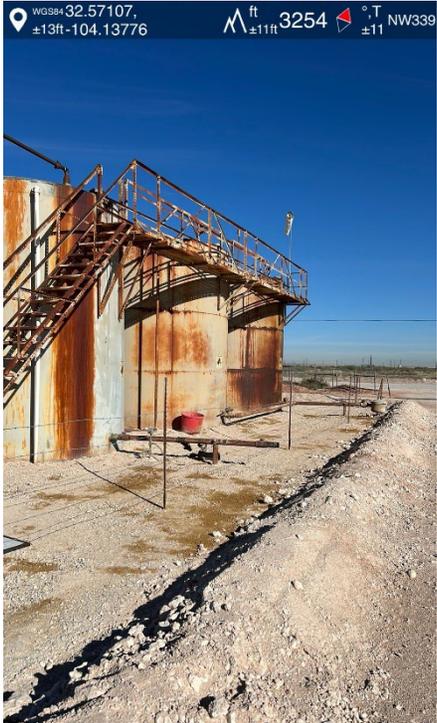
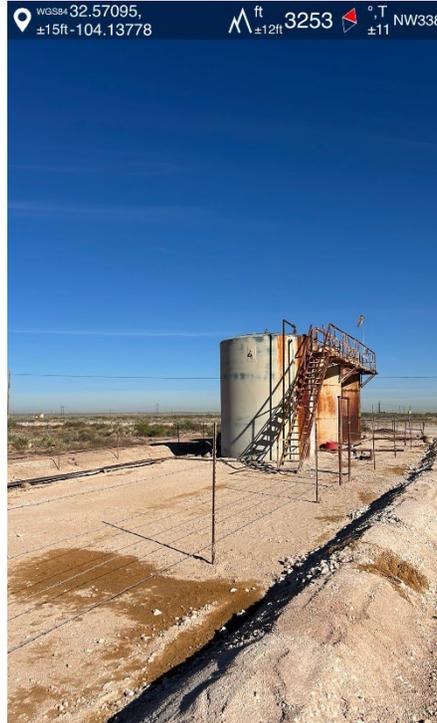
D: Delineation

F: Floor

SW: Sidewall

BG: Background

COMM
ENGINEERING
 Site Photographic Log

1	2	3	4
 <p>22Oct25 09:25 Ad-hoc Burton Flats Rd, Carlsbad NM 88220, US © 22-Oct-25 09:25:29</p>	 <p>22Oct25 09:26 Ad-hoc Burton Flats Rd, Carlsbad NM 88220, US © 22-Oct-25 09:26:06</p>	 <p>22Oct25 09:27 Ad-hoc Burton Flats Rd, Carlsbad NM 88220, US © 22-Oct-25 09:27:31</p>	 <p>22Oct25 09:25 Ad-hoc Burton Flats Rd, Carlsbad NM 88220, US © 22-Oct-25 09:25:11</p>
<p><i>Showing impacted area before excavation.</i></p>	<p><i>Showing impacted area before excavation.</i></p>	<p><i>Showing impacted area before excavation.</i></p>	<p><i>Showing impacted area before excavation.</i></p>

Limitations:

This report has been prepared for the sole benefit of Extex Operating Company. This document may not be used by any other person or entity, with exception of the New Mexico Oil Conservation Division. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report, are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professionals and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of COMM Engineering based on the data collected during the project. Due to the nature of this project, COMM Engineering cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

If there are any questions regarding this report, please contact Ryan Gleason at rlgleason@commengineering.com

Sincerely,



Ryan Gleason
Environmental Specialist
COMM Engineering
rlgleason@commengineering.com

Figures:

Figure 1 - Significant Watercourse

Figure 2 - USGS 7.5-minute quadrangle Topo

Figure 3 - Impacted Area(s)

Attachments:

Attachment 1 - U.S. Fish and Wildlife Service National Wetlands Inventory

Attachment 2 - USDA NRCS Custom Soil Resource Report

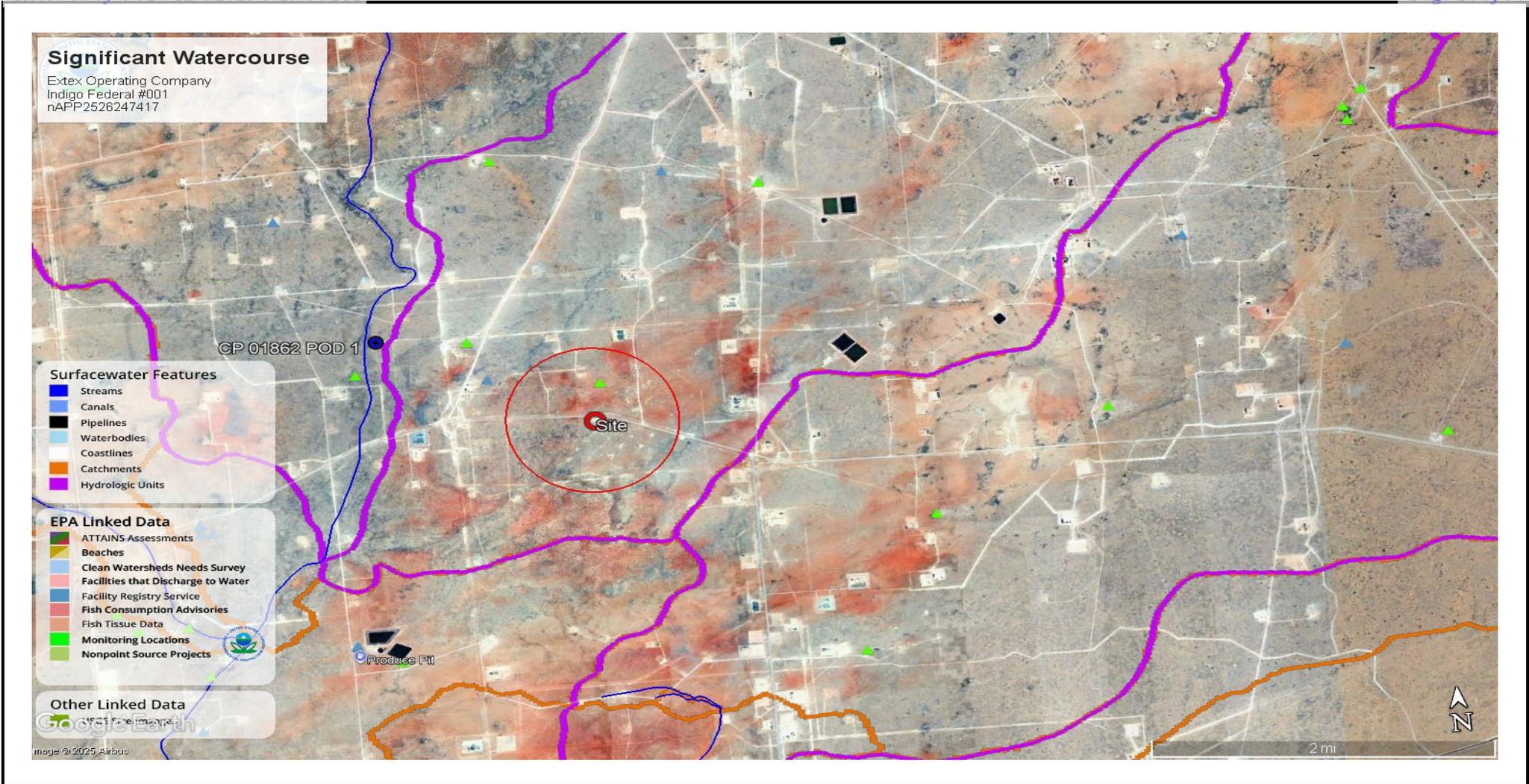
Attachment 3 - Depth to groundwater Summary & Well Log

Attachment 4 - Certified Soil Analyses

Attachment 5 - Karst & Hydrology Map

Attachment 6 - FEMA Flood Hazard

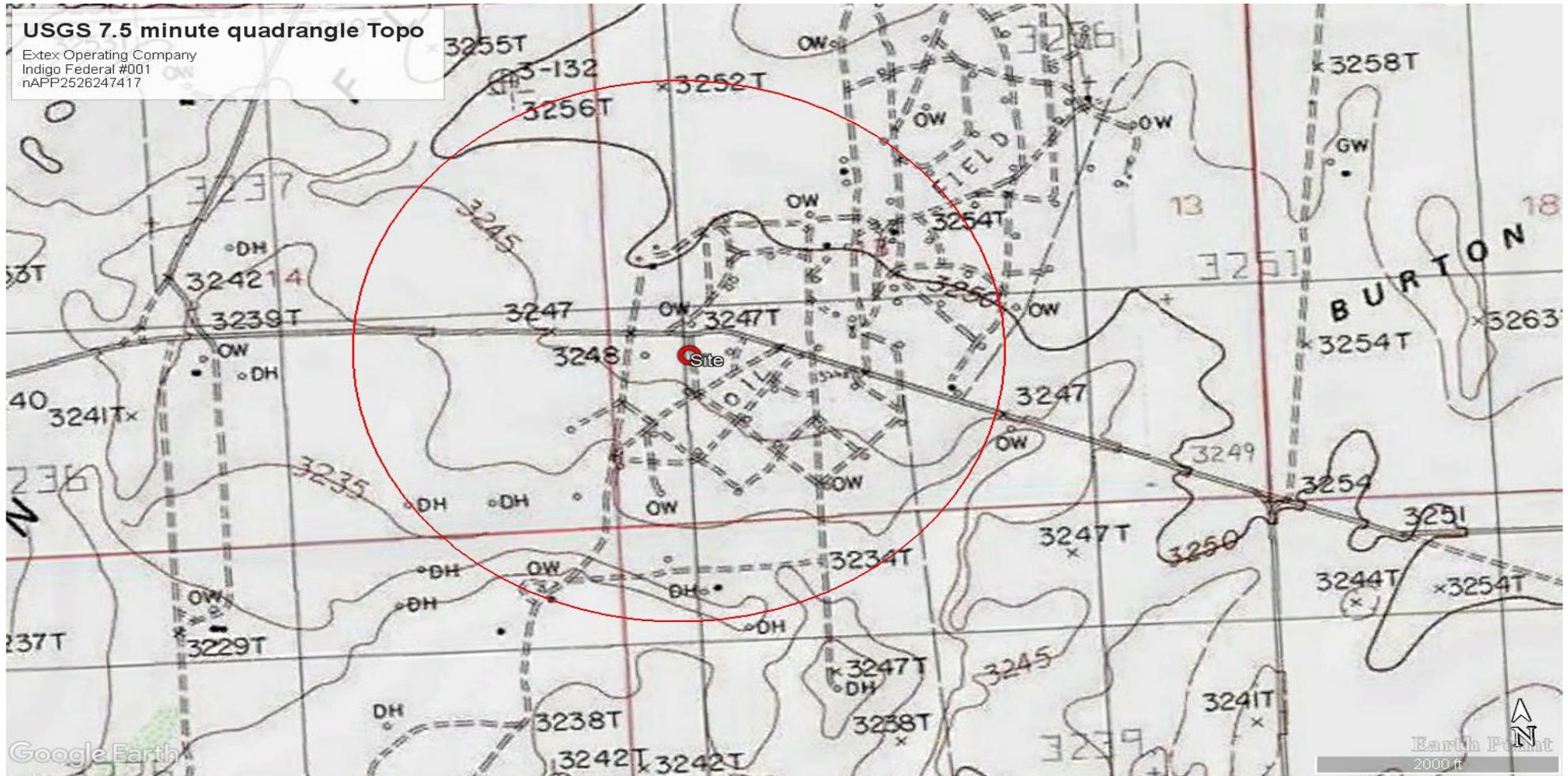
FIGURES



Significant Watercourse

Extex Operating Company
 Indigo Federal #001
 32.570957° North, -104.137466° West
 Unit L, Sec. 13, T20S, R28E
 Eddy County, New Mexico

FIGURE
1



USGS 7.5-minute quadrangle Topo

Extex Operating Company
 Indigo Federal #001
 32.570957° North, -104.137466° West
 Unit L, Sec. 13, T20S, R28E
 Eddy County, New Mexico

FIGURE

2

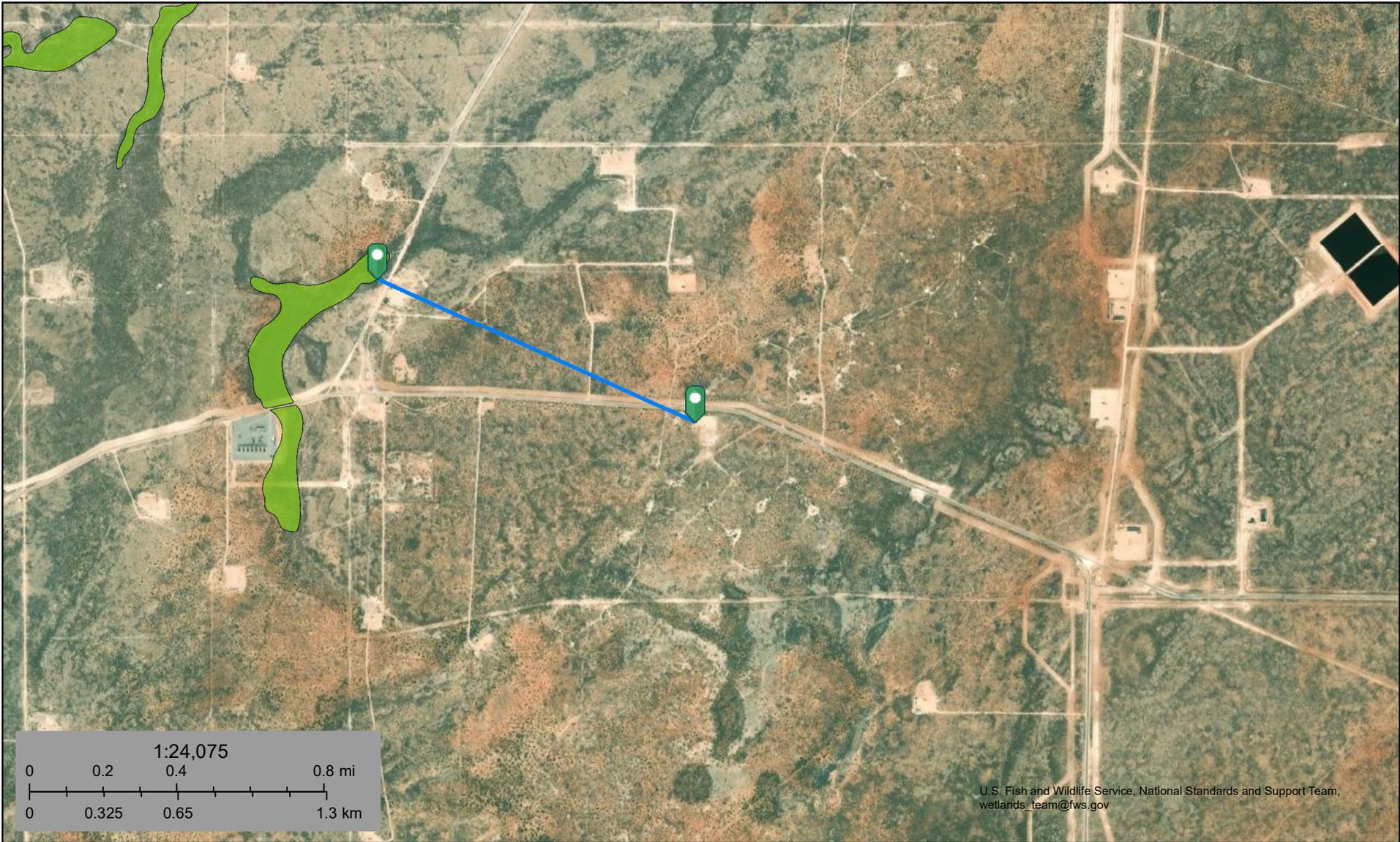


	<p>Sample Points – 10.22.2025</p> <p>Extex Operating Company Indigo Federal #001 32.570957° North, -104.137466° West Unit L, Sec. 13, T20S, R28E Eddy County, New Mexico</p>	<p>FIGURE</p> <p>3</p>
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ATTACHMENTS

U.S. Fish and Wildlife Service
National Wetlands Inventory

Indigo Federal #001 - 0.8 miles



December 4, 2025

Wetlands

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



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

Indigo Federal #001



November 10, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

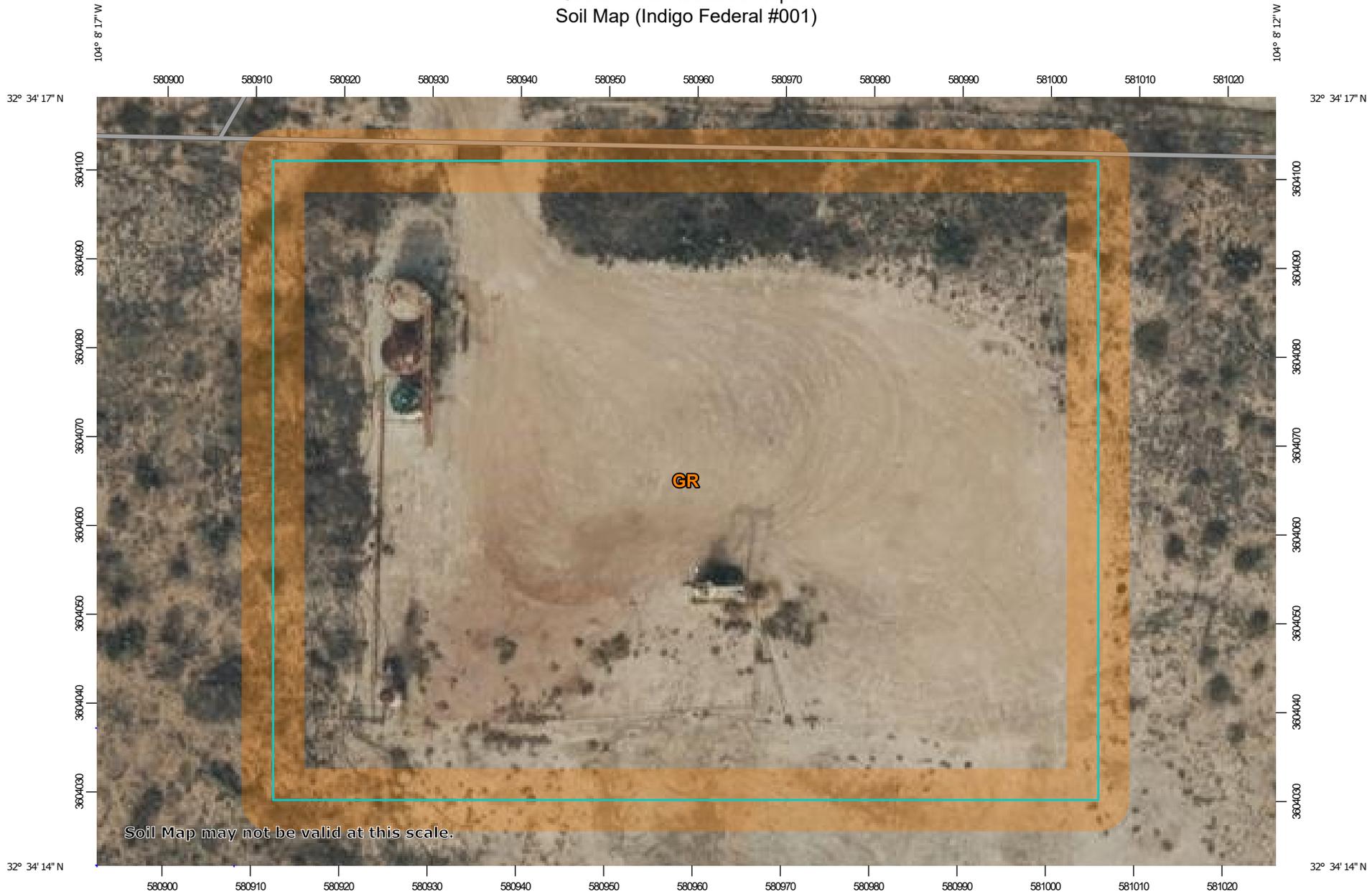
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

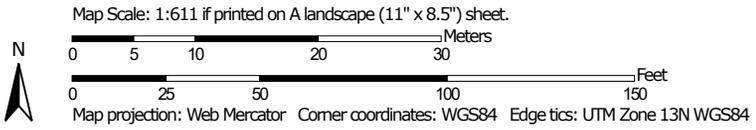
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map (Indigo Federal #001)



Soil Map may not be valid at this scale.



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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

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

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico
 Survey Area Data: Version 21, Sep 9, 2025

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

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

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

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Map Unit Legend (Indigo Federal #001)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GR	Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded	1.7	100.0%
Totals for Area of Interest		1.7	100.0%

Map Unit Descriptions (Indigo Federal #001)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

Custom Soil Resource Report

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Custom Soil Resource Report

Eddy Area, New Mexico**GR—Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded****Map Unit Setting**

National map unit symbol: 1w4h
Elevation: 3,000 to 5,000 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 55 percent
Reeves and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land**Setting**

Landform: Hills, plains, ridges
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Description of Reeves**Setting**

Landform: Hills, plains, ridges
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: sandy loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
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

Custom Soil Resource Report

Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 10 percent
Hydric soil rating: No

References

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- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

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United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
20D82	CP 01862 POD1	NE	NE	NE	15	20S	28E	579002.3	3605104.4	

* UTM location was derived from PLSS - see Help

Driller License:	1706	Driller Company:	SUPERIOR DRILLING, LLC		
Driller Name:	BRYCE WALLACE				
Drill Start Date:	2021-08-24	Drill Finish Date:	2021-08-25	Plug Date:	
Log File Date:	2022-05-28	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	12
Casing Size:	6.00	Depth Well:	150	Depth Water:	70

Water Bearing Stratifications:

Top	Bottom	Description
30	100	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
80	150

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1862 POD 1		WELL TAG ID NO. ID 20D82		OSE FILE NO(S). CP-1862			
	WELL OWNER NAME(S) Winston Ballard				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 620 E Greene St				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 34	SECONDS 50.105005 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE	104	09	29.768425 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 08/24/21	DRILLING ENDED 08/25/21	DEPTH OF COMPLETED WELL (FT) 150	BORE HOLE DEPTH (FT) 150	DEPTH WATER FIRST ENCOUNTERED (FT) 70			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 63			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	80	11	SCH40 PVC	SPLINE	6	SCH40	
	80	150	11	SCH40 PVC	SPLINE	6	SCH40	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	11	PORTLAND I/II	15	TOP POUR		
	20	150	11	8/16 SILICA SAND	80	TOP POUR		

USE DJT MAY 28 2022 PM 1:18

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO. CP-1862-POD 1	POD NO. 1	TRN NO. 684749			
LOCATION STK 20.28.15.222	WELL TAG ID NO. 20D82	PAGE 1 OF 2			



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

October 30, 2025

RYAN GLEASON

COMM ENGINEERING

1319 W. PINHOOK, SUITE 400

LAFAYETTE, LA 70503

RE: INDIGO FEDERAL #001

Enclosed are the results of analyses for samples received by the laboratory on 10/24/25 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

COMM ENGINEERING
 RYAN GLEASON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	10/24/2025	Sampling Date:	10/22/2025
Reported:	10/30/2025	Sampling Type:	Soil
Project Name:	INDIGO FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	250607	Sample Received By:	Alyssa Parras
Project Location:	32.570957, -104.137466		

Sample ID: D1 1' (H256709-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/26/2025	ND	1.61	80.6	2.00	17.8	
Toluene*	6.69	0.500	10/26/2025	ND	1.60	79.8	2.00	15.6	
Ethylbenzene*	5.76	0.500	10/26/2025	ND	1.72	85.8	2.00	16.2	
Total Xylenes*	45.5	1.50	10/26/2025	ND	5.40	90.0	6.00	16.7	
Total BTEX	58.0	3.00	10/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	10/28/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1840	50.0	10/27/2025	ND	209	105	200	3.10		
DRO >C10-C28*	14900	50.0	10/27/2025	ND	198	98.8	200	2.29		
EXT DRO >C28-C36	2260	50.0	10/27/2025	ND						

Surrogate: 1-Chlorooctane 620 % 52.4-130

Surrogate: 1-Chlorooctadecane 571 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 RYAN GLEASON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	10/24/2025	Sampling Date:	10/22/2025
Reported:	10/30/2025	Sampling Type:	Soil
Project Name:	INDIGO FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	250607	Sample Received By:	Alyssa Parras
Project Location:	32.570957, -104.137466		

Sample ID: D1 2' (H256709-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	10/26/2025	ND	1.61	80.6	2.00	17.8	
Toluene*	11.1	1.00	10/26/2025	ND	1.60	79.8	2.00	15.6	
Ethylbenzene*	6.26	1.00	10/26/2025	ND	1.72	85.8	2.00	16.2	
Total Xylenes*	28.2	3.00	10/26/2025	ND	5.40	90.0	6.00	16.7	
Total BTEX	45.5	6.00	10/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	10/28/2025	ND	432	108	400	0.00	

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*	499	10.0	10/25/2025	ND	209	105	200	3.10		
DRO >C10-C28*	3760	10.0	10/25/2025	ND	198	98.8	200	2.29		
EXT DRO >C28-C36	565	10.0	10/25/2025	ND						

Surrogate: 1-Chlorooctane 128 % 52.4-130

Surrogate: 1-Chlorooctadecane 182 % 39.9-141

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Analytical Results For:

COMM ENGINEERING
 RYAN GLEASON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	10/24/2025	Sampling Date:	10/22/2025
Reported:	10/30/2025	Sampling Type:	Soil
Project Name:	INDIGO FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	250607	Sample Received By:	Alyssa Parras
Project Location:	32.570957, -104.137466		

Sample ID: D2 1' (H256709-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	10/26/2025	ND	1.61	80.6	2.00	17.8	
Toluene*	16.0	2.00	10/26/2025	ND	1.60	79.8	2.00	15.6	
Ethylbenzene*	13.4	2.00	10/26/2025	ND	1.72	85.8	2.00	16.2	
Total Xylenes*	73.4	6.00	10/26/2025	ND	5.40	90.0	6.00	16.7	
Total BTEX	103	12.0	10/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	10/28/2025	ND	432	108	400	0.00	

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*	1940	10.0	10/25/2025	ND	209	105	200	3.10		
DRO >C10-C28*	9210	10.0	10/25/2025	ND	198	98.8	200	2.29		
EXT DRO >C28-C36	980	10.0	10/25/2025	ND						

Surrogate: 1-Chlorooctane 435 % 52.4-130

Surrogate: 1-Chlorooctadecane 189 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 RYAN GLEASON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	10/24/2025	Sampling Date:	10/22/2025
Reported:	10/30/2025	Sampling Type:	Soil
Project Name:	INDIGO FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	250607	Sample Received By:	Alyssa Parras
Project Location:	32.570957, -104.137466		

Sample ID: D2 2' (H256709-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	10/26/2025	ND	1.61	80.6	2.00	17.8	
Toluene*	13.2	2.00	10/26/2025	ND	1.60	79.8	2.00	15.6	
Ethylbenzene*	14.3	2.00	10/26/2025	ND	1.72	85.8	2.00	16.2	
Total Xylenes*	71.6	6.00	10/26/2025	ND	5.40	90.0	6.00	16.7	
Total BTEX	99.2	12.0	10/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	10/28/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1580	50.0	10/27/2025	ND	209	105	200	3.10		
DRO >C10-C28*	14600	50.0	10/27/2025	ND	198	98.8	200	2.29		
EXT DRO >C28-C36	2140	50.0	10/27/2025	ND						

Surrogate: 1-Chlorooctane 589 % 52.4-130

Surrogate: 1-Chlorooctadecane 245 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 RYAN GLEASON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	10/24/2025	Sampling Date:	10/22/2025
Reported:	10/30/2025	Sampling Type:	Soil
Project Name:	INDIGO FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	250607	Sample Received By:	Alyssa Parras
Project Location:	32.570957, -104.137466		

Sample ID: D3 1' (H256709-05)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2025	ND	1.61	80.6	2.00	17.8	
Toluene*	0.743	0.050	10/27/2025	ND	1.60	79.8	2.00	15.6	
Ethylbenzene*	0.574	0.050	10/27/2025	ND	1.72	85.8	2.00	16.2	
Total Xylenes*	8.87	0.150	10/27/2025	ND	5.40	90.0	6.00	16.7	
Total BTEX	10.2	0.300	10/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 203 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2060	16.0	10/28/2025	ND	432	108	400	0.00	

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*	743	10.0	10/25/2025	ND	209	105	200	3.10	
DRO >C10-C28*	8380	10.0	10/25/2025	ND	198	98.8	200	2.29	
EXT DRO >C28-C36	798	10.0	10/25/2025	ND					

Surrogate: 1-Chlorooctane 314 % 52.4-130

Surrogate: 1-Chlorooctadecane 344 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 RYAN GLEASON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	10/24/2025	Sampling Date:	10/22/2025
Reported:	10/30/2025	Sampling Type:	Soil
Project Name:	INDIGO FEDERAL #001	Sampling Condition:	Cool & Intact
Project Number:	250607	Sample Received By:	Alyssa Parras
Project Location:	32.570957, -104.137466		

Sample ID: D3 2' (H256709-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2025	ND	1.61	80.6	2.00	17.8	
Toluene*	0.110	0.050	10/27/2025	ND	1.60	79.8	2.00	15.6	
Ethylbenzene*	0.092	0.050	10/27/2025	ND	1.72	85.8	2.00	16.2	
Total Xylenes*	1.24	0.150	10/27/2025	ND	5.40	90.0	6.00	16.7	
Total BTEX	1.44	0.300	10/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4920	16.0	10/28/2025	ND	432	108	400	0.00	

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*	98.3	10.0	10/25/2025	ND	209	105	200	3.10		
DRO >C10-C28*	3560	10.0	10/25/2025	ND	198	98.8	200	2.29		
EXT DRO >C28-C36	515	10.0	10/25/2025	ND						

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 177 % 39.9-141

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04 The RPD for the BS/BSD was outside of historical limits.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: GMN Engineering, Inc.
 Project Manager: Kyan Gibson
 Address: 1319 W. Pinhook Rd.
 City: Granger State: LA Zip: 70504
 Phone #: 405.209.6859 Fax #: [blank]
 Project #: 250604 Project Owner: Exter Oper, Inc.
 Project Name: Indigo Federal #001
 Project Location: 25.540954, -104.137466
 Sampler Name: Kyan Gibson
 P.O. #: [blank] Company: Exter
 Attn: [blank] Address: [blank]
 City: [blank] State: [blank] Zip: [blank]
 Phone #: [blank] Fax #: [blank]

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	PH	TEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<u>HS10709</u>	<u>D1</u>	<u>1</u>	<u>5</u>		<u>X</u>					<u>10/20/05</u>	<u>11:14</u>	<u>7.5</u>	<u>PH</u>
	<u>D2</u>	<u>1</u>								<u>11:34</u>	<u>11:34</u>		
	<u>D3</u>	<u>1</u>								<u>12:23</u>	<u>12:23</u>		
	<u>D4</u>	<u>1</u>								<u>13:06</u>	<u>13:06</u>		

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Relinquished By: [Signature] Date: 10/20/05 Time: 8:35
 Received By: [Signature] Date: 10/25/05 Time: [blank]

Delivered By: (Circle One) Observed Temp. °C: 5.5 Sample Condition: Cool Intact
 Cooler Intact: Yes No
 Cooler Intact: Yes No
 Corrected Temp. °C: 5.8 Checked By: [Signature]

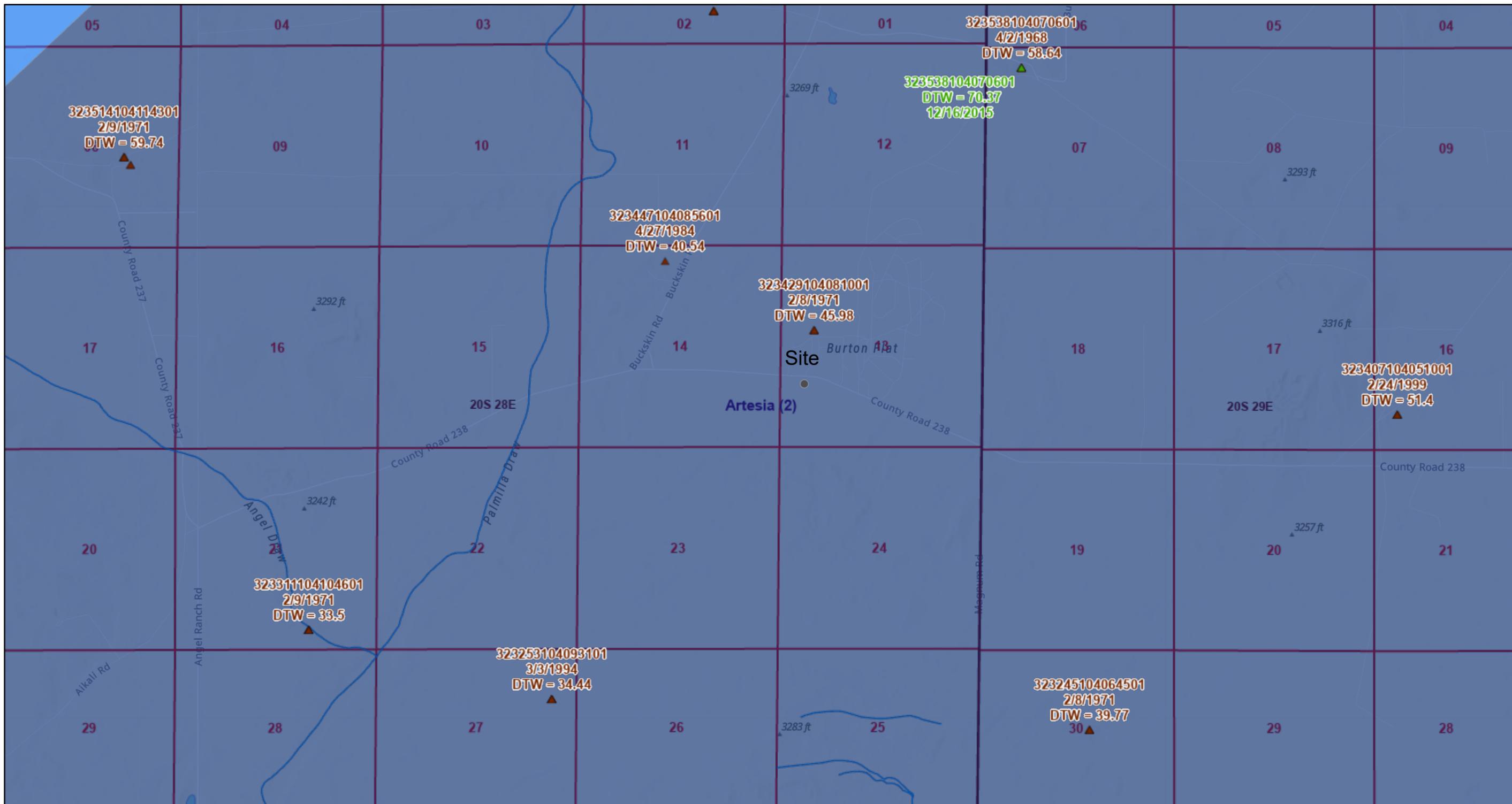
Thermometer ID #140
 Correction Factor -0.5°C +0.3
 Turnaround Time: 10/20/05
 Standard: Standard
 Bacteria (only) Sample Condition: Cool Intact
 Bacteria Intact: Yes No
 Bacteria Intact: Yes No
 Corrected Temp. °C: 10.24/05

Remarks: sample TD corrected per client. Stat signed 10-24-05

Verbal Result: Yes No Add'l Phone #: [blank]
 All Results are emailed. Please provide Email address: [blank]

Form 9000 Rev 06/03/04

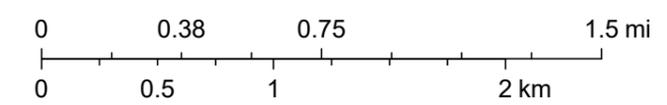
Indigo Federal #001



11/10/2025, 12:35:14 PM

1:36,112

- ▲ USGS Historical GW Wells
- ▲ USGS Active Monitoring GW Wells
- Medium
- OSW Water Bodys
- OCD Districts
- PLSS First Division
- PLSS Townships
- OSE Streams
- High

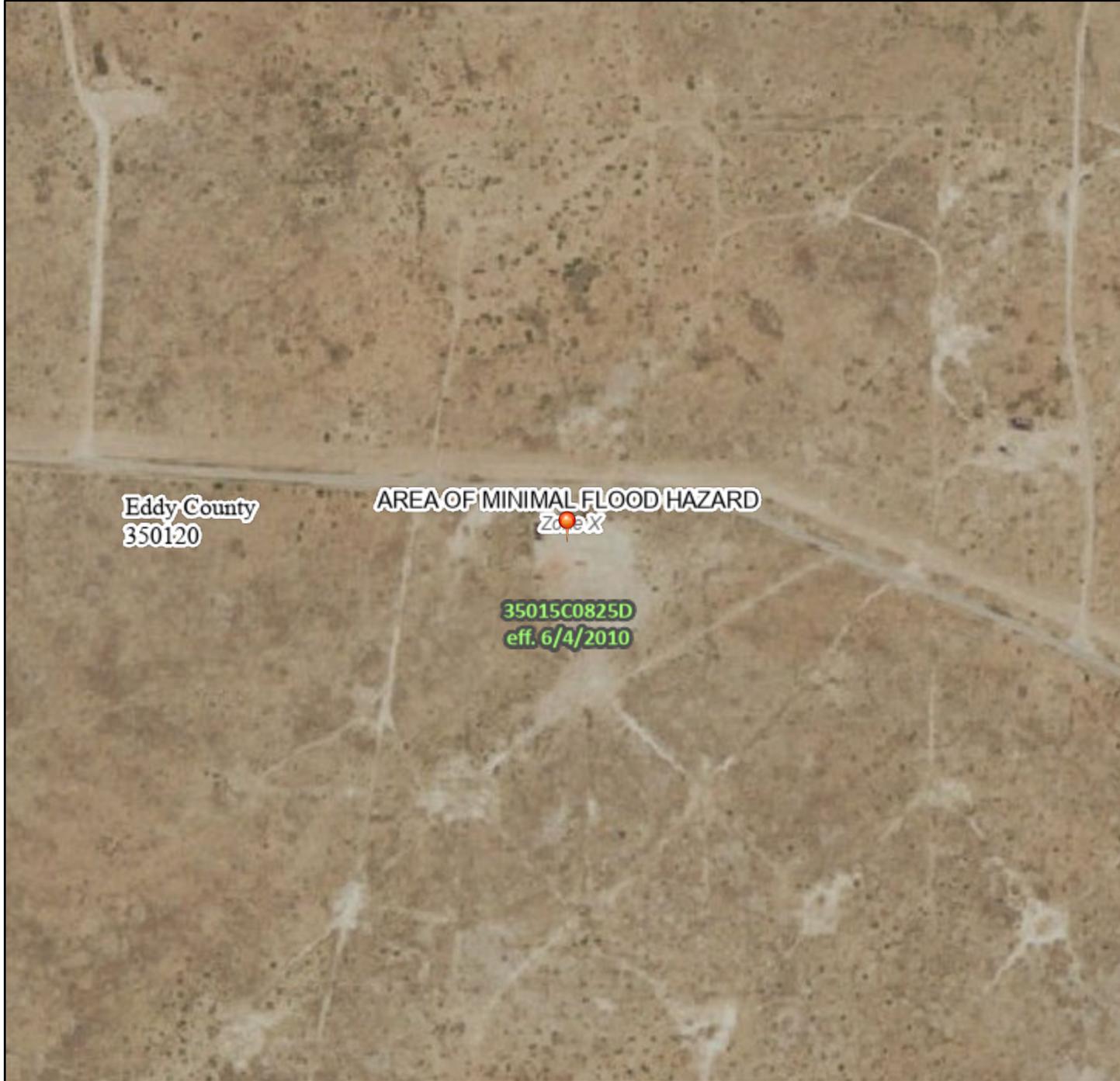


BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, USGS, OCD, NM OSE, BLM

National Flood Hazard Layer FIRMette



104°8'34"W 32°34'31"N



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**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
- MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/10/2025 at 5:58 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.



1:6,000

104°7'57"W 32°34'1"N

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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 531959

QUESTIONS

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 531959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2526247417
Incident Name	NAPP2526247417 INDIGO FEDERAL #001 @ 30-015-26478
Incident Type	Other
Incident Status	Remediation Plan Received
Incident Well	[30-015-26478] INDIGO FEDERAL #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Indigo Federal #001
Date Release Discovered	09/17/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Exploratory Well Production Tank Crude Oil Released: 24 BBL Recovered: 20 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 531959

QUESTIONS (continued)

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 531959
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ethan McMahon Title: Environmental Engineer Email: ermcmahon@commengineering.com Date: 12/04/2025
--	--

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QUESTIONS, Page 3

Action 531959

QUESTIONS (continued)

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 531959
	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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/04/2026
On what date will (or did) the final sampling or liner inspection occur	02/04/2026
On what date will (or was) the remediation complete(d)	02/18/2026
What is the estimated surface area (in square feet) that will be remediated	6160
What is the estimated volume (in cubic yards) that will be remediated	913

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
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QUESTIONS, Page 4

Action 531959

QUESTIONS (continued)

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 531959
	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.)

Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Dig and Haul

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: Ethan McMahan Title: Environmental Engineer Email: ermcmahan@commengineering.com Date: 12/04/2025
--	--

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

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QUESTIONS, Page 6

Action 531959

QUESTIONS (continued)

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 531959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	{Unavailable.}
Was all the impacted materials removed from the liner	Unavailable.

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

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State of New Mexico
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CONDITIONS

Action 531959

CONDITIONS

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 531959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written except with the following conditions; 1. Alternative sampling plan presented is denied. Extex Operating Company (Extex) is required to adhere to 19.15.29.12D (1c) NMAC since depth to water estimation had not been established and it is within a high karst area without an approved contractor conducting a geophysical survey. 2. Extex is required to follow 19.15.29.12D (1) NMAC as it pertains to confirming the horizontal perimeter to meet the most stringent closure standards.	2/11/2026
nvez	3. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, Extex must collect a minimum of one (1) five point composite sample from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface. 4. Extex has 90-days (May 12, 2026) to submit to OCD its appropriate or final remediation closure report.	2/11/2026