La Jara Water Gathering/ Spill ID nAPP2524128523

Simcoe Energy LLC
1199 Main Ave, Suite 101
Durango, CO 81301

To whom it may concern,

Event Background:

On 8/25/2025 a water line leak was discovered along the right of way in the La Jara water gathering pipeline at approximately 36.8100205, -107.5112762. Produced water had daylighted to the surface and traveled south in the bar ditch of the road for 220'. SIMCOE LLC personnel were able to immediately isolate and contain the release.

Site Assessment and characterization:

1. Potential impacts from contaminates of concern….
    a. Produced water of Fruitland coal gas production that impacted the soil after the failure of the pipeline.
2. Distance to nearest surface water, irrigation or waters of the US
    a. 1830' North to Navajo Lake
    b. Map attached
3. Geologic and hydrologic characteristics
    a. Direction of ground water flow – given topography and drainage.
    b. Soil type – Vessilla-Menefee-Orlie complex, 1-30 percent slope.
    c. Seasonal hydrologic characteristics – subject to precipitation including rain and snowmelt
4. Distance to nearest permitted well
    a. Domestic/agricultural – 4.24 miles
    b. Total well depth – 320'
    c. Static water level – 60'
    d. See attached documents
5. Determination of clean up standards
    a. Due to the closest water ground water level not being within ½ mile of the release, SIMCOE elected to cleanup to the standard of groundwater less than 50'

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Remediation Plan:

1. SIMCOE removed 100 yards contaminated soil by excavation on 9/2/2025 and again on 9/12/2025. All contaminated soil was hauled to the Envirotech land farm #2 in New Mexico. After removal clean fill dirt was brought in to back fill the excavation.
2. The area was re-contoured to the preexisting grade.
3. Final reclamation will be conducted at the end of useful life of the pipeline as required by

Soil sampling:

1. Final sampling for closure was completed on 9/4/2025 in the open excavation and in the flow path after pipe repair. All samples showed constituents below table 1 parameters except for SS06 in the flow path which failed on elevated chlorides at 680 mg/kg. On 9/17/2025 additional samples were collected in the flow path going south from the release area after further excavation in the SS06 area and down gradient to verify contaminates were not migrating. All soil samples then passed the strictest standards compared to less than 50' groundwater depth.

Notifications:

1. Notification of sampling was submitted to the NM OCD via C-141N for both final sampling events under NMAC 19.15.29.12.D.1.a
2. Notification of release was submitted by NOR and C-141 per NMAC 19-15-29-10.

Conclusion

SIMCOE LLC is requesting closure of this incident after soil sampling results no contamination remains above Table 1 standards for the ground water depth after excavation of the contaminated soil.

La Jara Water Gathering Release

1:1,000

0 0.01 0.01 0.02 mi

0 0.01 0.02 0.04 km

- Reportable Spill
- Sample

Distance to nearest surface water

Unit

Feet

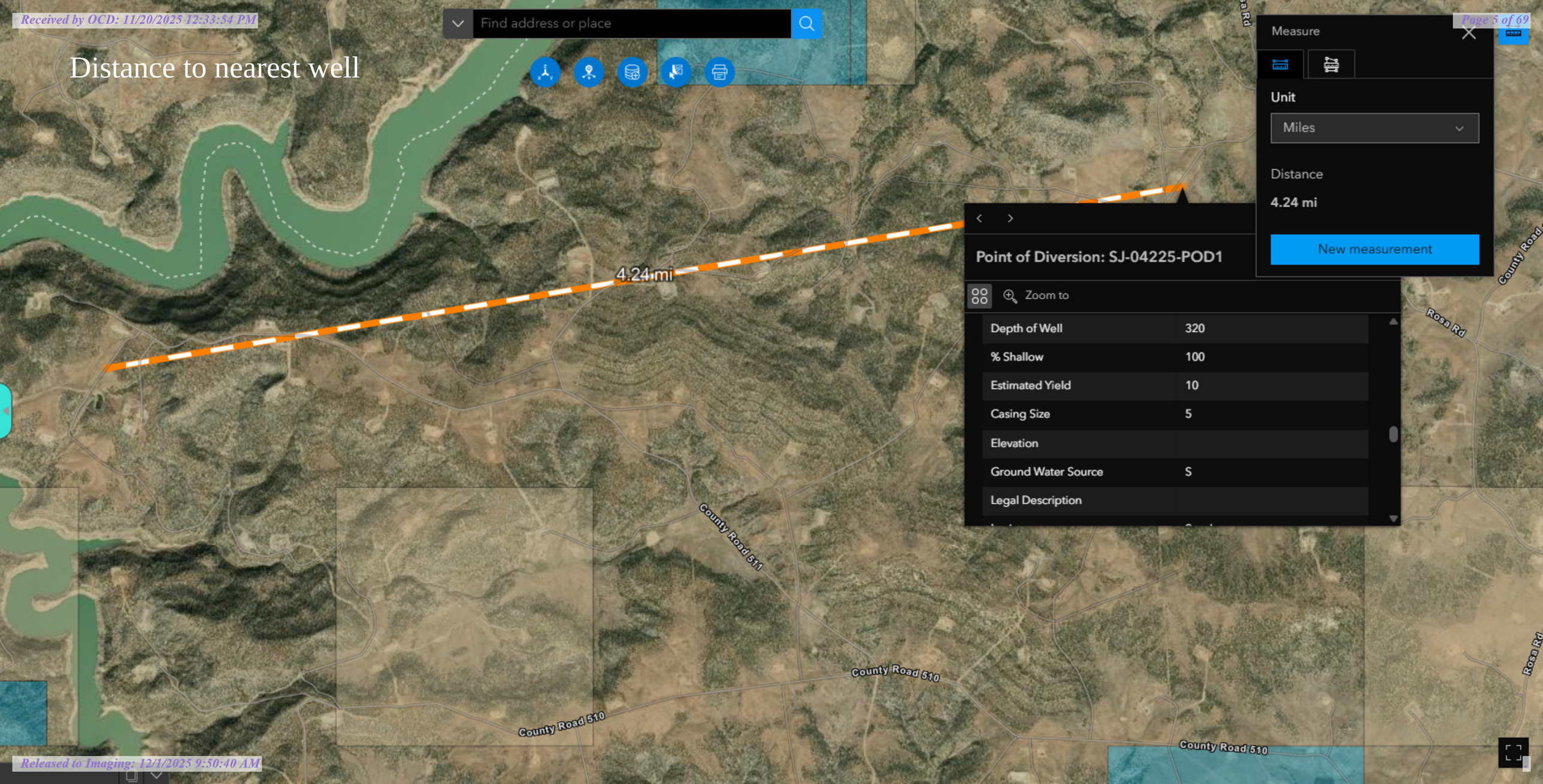
Distance

1,830.67 ft

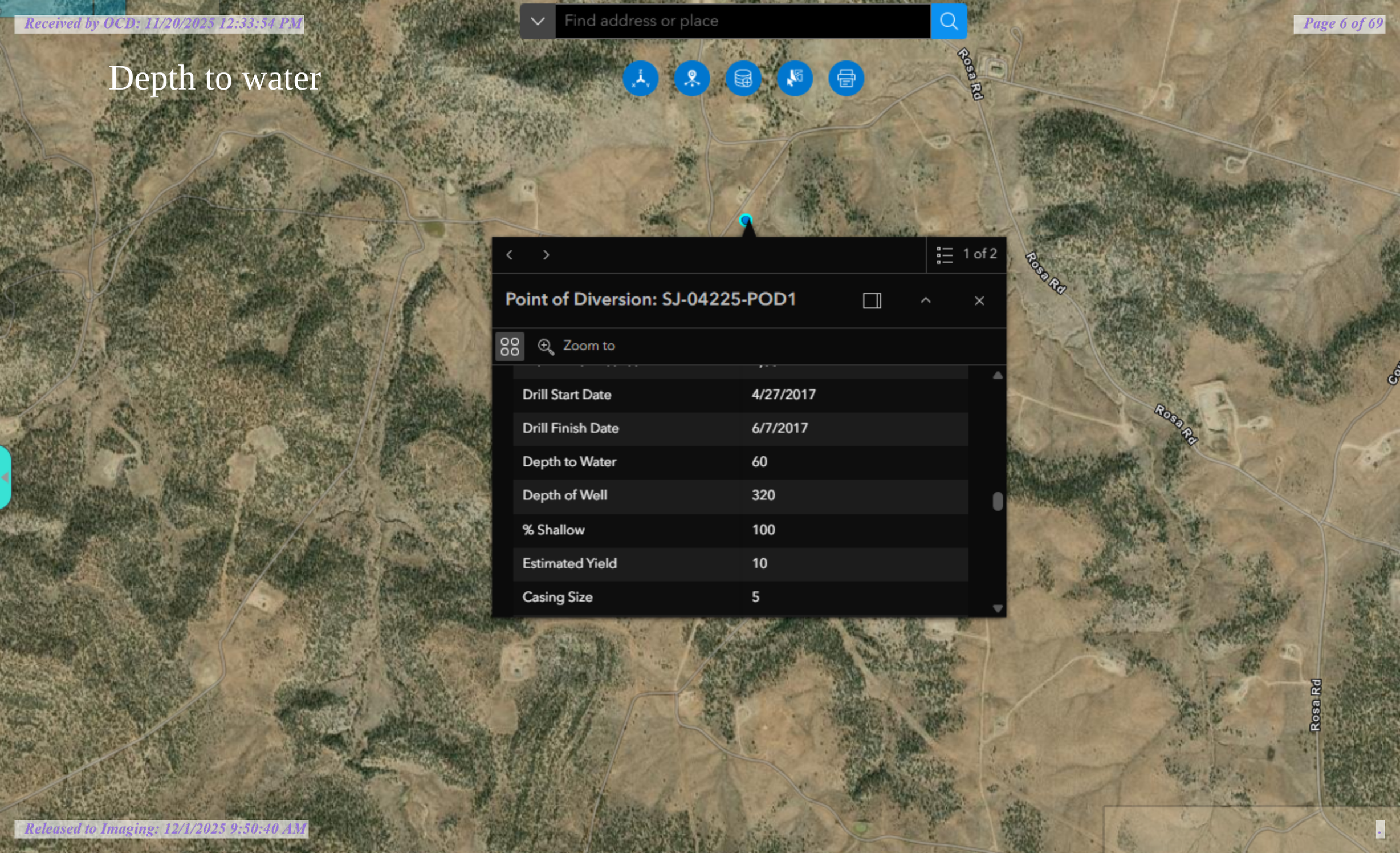
New measurement

NEBU 227
1,830.67 ft
NEBU 304E

Distance to nearest well



Depth to water



Soil Sampling Results

La Jara Water Gathering

Parameter	SS01 North Sidewall 9/4/2025	SS02 East Sidewall 9/4/2026	SS03 South Sidewall 9/4/2027	SS04 West Sidewall 9/4/2028	SS05 Base 9/4/2029	SS06 Flowpath 9/4/2025	SS07 Flowpath near SS06 9/17/2025	SS08 Downgradient of Flowpath	Units
Depth	1	1	1	1	7	1	1	1	Feet - BGS
Chloride	463	327	134	506	449	680	ND	ND	mg/kg
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
TPH (GRO)	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
TPH (DRO)	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
TPH (EXT DRO)	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg
Total TPH	ND	ND	ND	ND	ND	ND	ND	ND	mg/kg

Notes:

PID - Photoionization Detector

BTEX - Benzene, Toluene, Ethylbenzene

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

ppm - Parts per million BGS - Below grade surface mg/kg - Milligrams per kilogram ND - None Detcted

IKAV Spill Calculation Sheet
Version 12/7/2020
Enter data in green shaded boxes. Result will show up in blue shaded boxes.

Spill Type (Standing Liquid, Well Pad, Clay, Gravel, Sand)	Clay
Did Release Go Off Location/ROW?	No

	Depth		If non-circle, fill out L and W: Length		Width	
	4 Ft	0 In	10 Ft	0 In	6 Ft	0 In

Spill Volume 5.714 bbl
Report release to TL.

If multiple spill types, fill out additional entries below.
Spill Type (Standing Liquid, Well Pad, Clay, Gravel, Sand) Clay

Depth		Length		Width	
1 Ft	0 In	276 Ft	0 In	1 Ft	0 In

Spill Volume 6.571 bbl **Report release to TL.**

Spill Type (Standing Liquid, Well Pad, Clay, Gravel, Sand) Sand

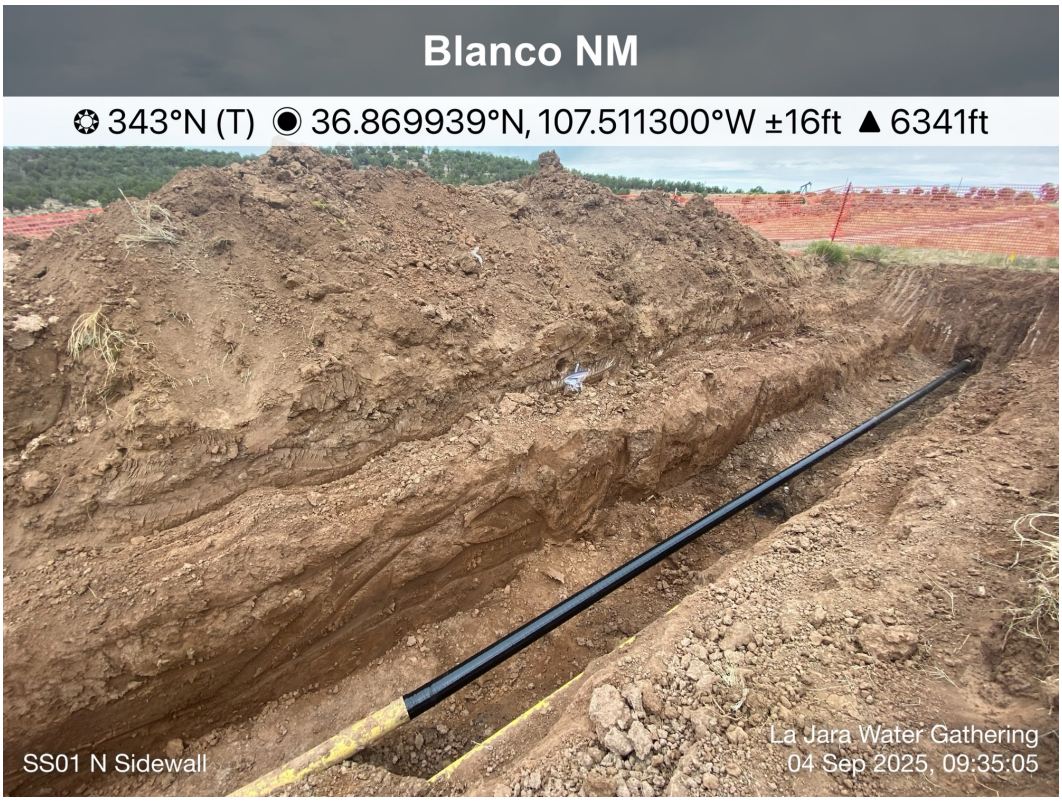
Depth		Length		Width	
Ft	0 In	0 Ft	0 In	0 Ft	0 In

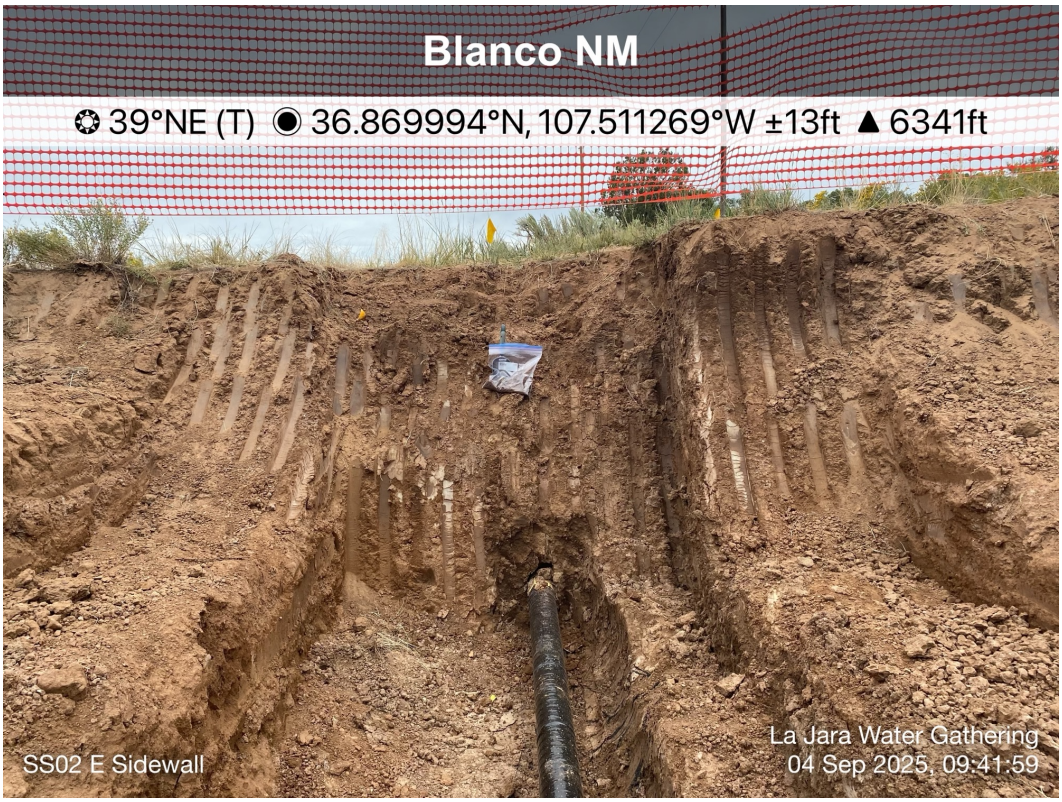
Spill Volume - bbl

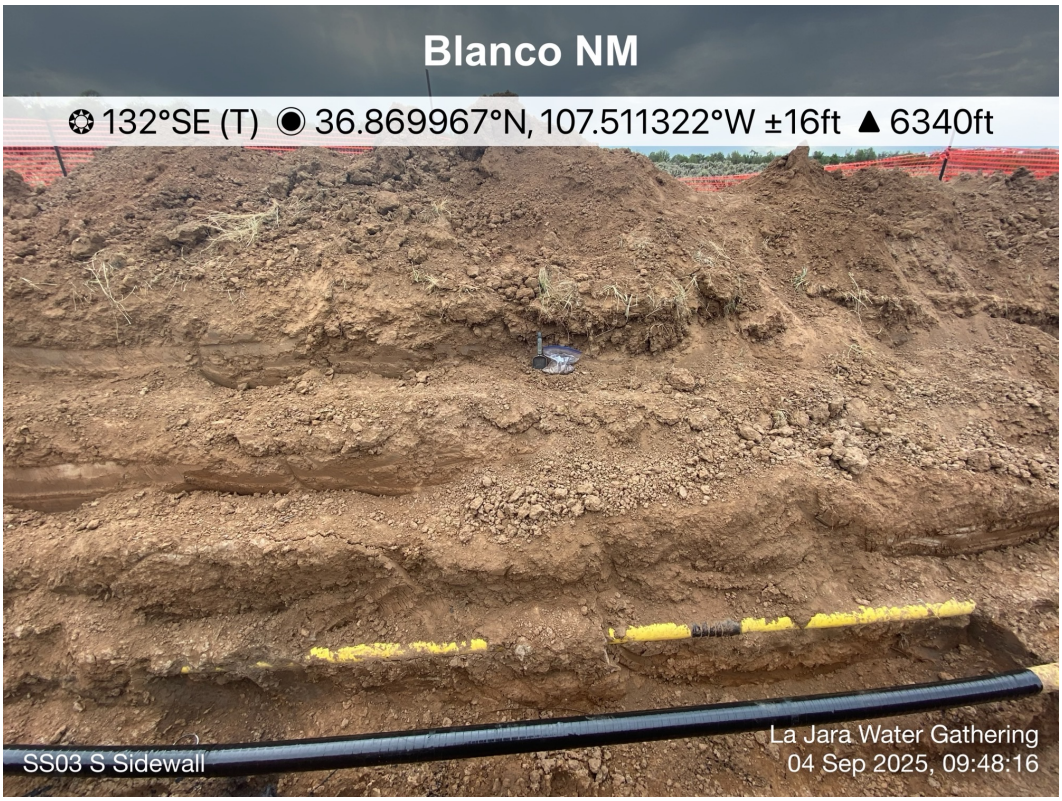
Total Spill for Multiple Spill Types 12.286 bbl

Basis Notes:

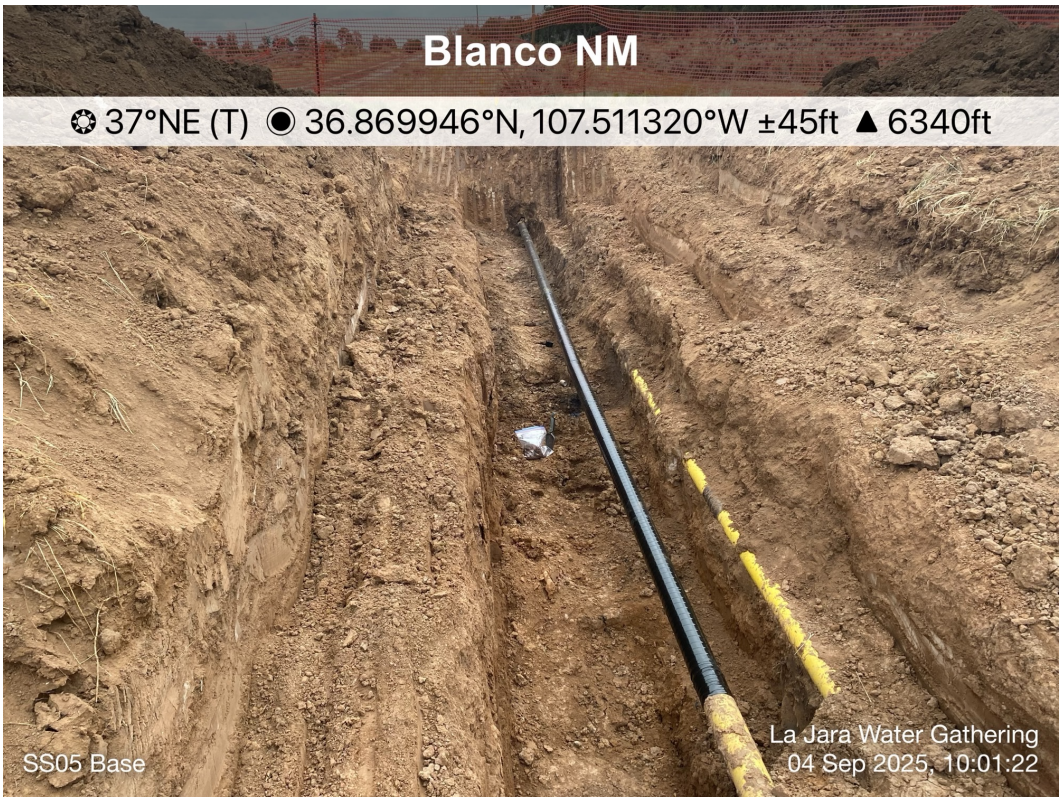
Standing liquid 7.5 gal/cubic ft
Well Pad Sand & Gravel Mix 3.5 gal/cubic ft
Clay 1 gal/cubic ft
Gravel 3.6 gal/cubic ft
Sand 3.4 gal/cubic ft

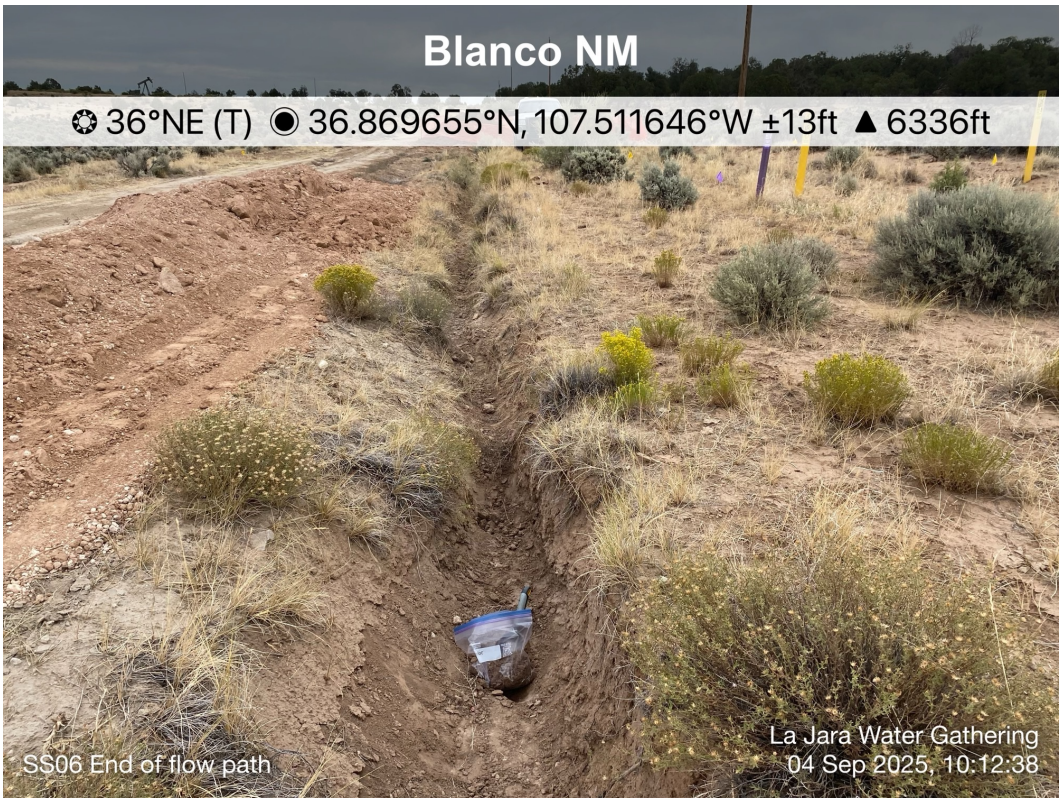

Blanco NM
343°N (T) 36.869939°N, 107.511300°W ±16ft 6341ft
SS01 N Sidewall
La Jara Water Gathering
04 Sep 2025, 09:35:05

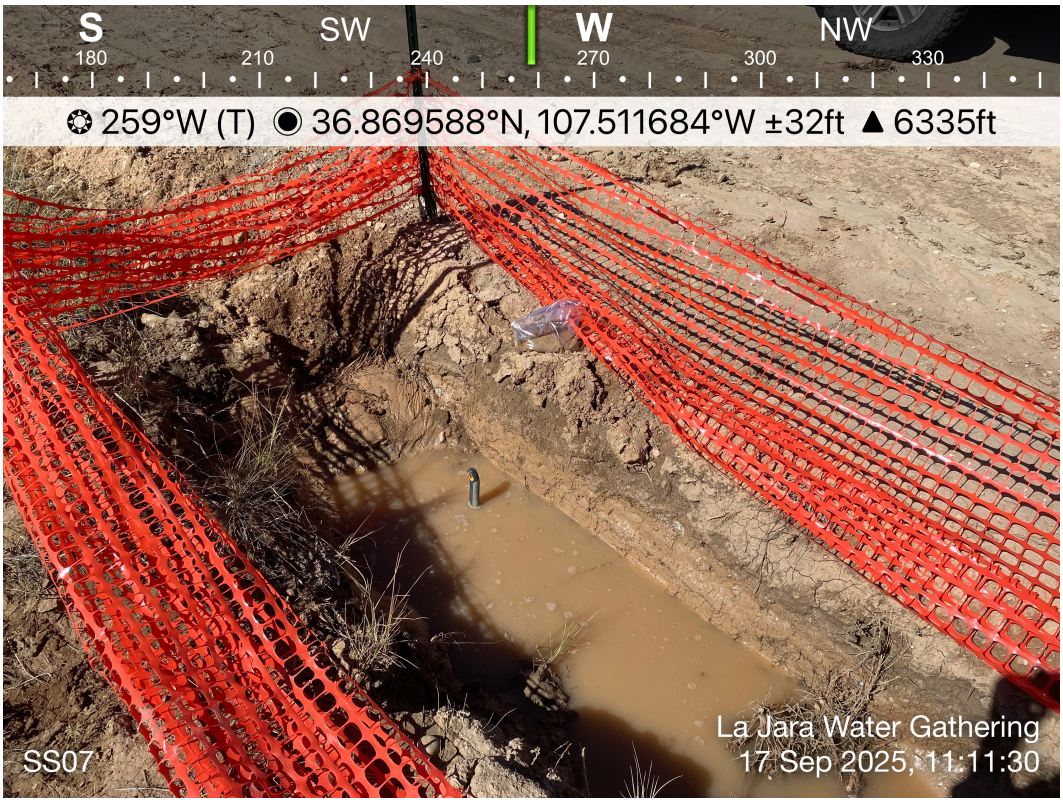

Blanco NM
39°NE (T) 36.869994°N, 107.511269°W ±13ft 6341ft
SS02 E Sidewall
La Jara Water Gathering
04 Sep 2025, 09:41:59


Blanco NM
132°SE (T) 36.869967°N, 107.511322°W ±16ft 6340ft
SS03 S Sidewall
La Jara Water Gathering
04 Sep 2025, 09:48:16


Blanco NM
220°SW (T) 36.869941°N, 107.511300°W ±16ft 6340ft
SS04 West sidewall
La Jara Water Gathering
04 Sep 2025, 09:54:09


Blanco NM
37°NE (T) 36.869946°N, 107.511320°W ±45ft 6340ft
SS05 Base
La Jara Water Gathering
04 Sep 2025, 10:01:22


Blanco NM
36°NE (T) 36.869655°N, 107.511646°W ±13ft 6336ft
SS06 End of flow path
La Jara Water Gathering
04 Sep 2025, 10:12:38


S
SW
W
NW
180
210
240
270
300
330
259°W (T) 36.869588°N, 107.511684°W ±32ft 6335ft
SS07
La Jara Water Gathering
17 Sep 2025, 11:11:30


NW
N
NE
E
300
330
0
30
60
90
27°NE (T) 36.869542°N, 107.511743°W ±9ft 6334ft
SS08
La Jara Water Gathering
17 Sep 2025, 11:19:58

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

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 Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

November 19, 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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Contents

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

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.

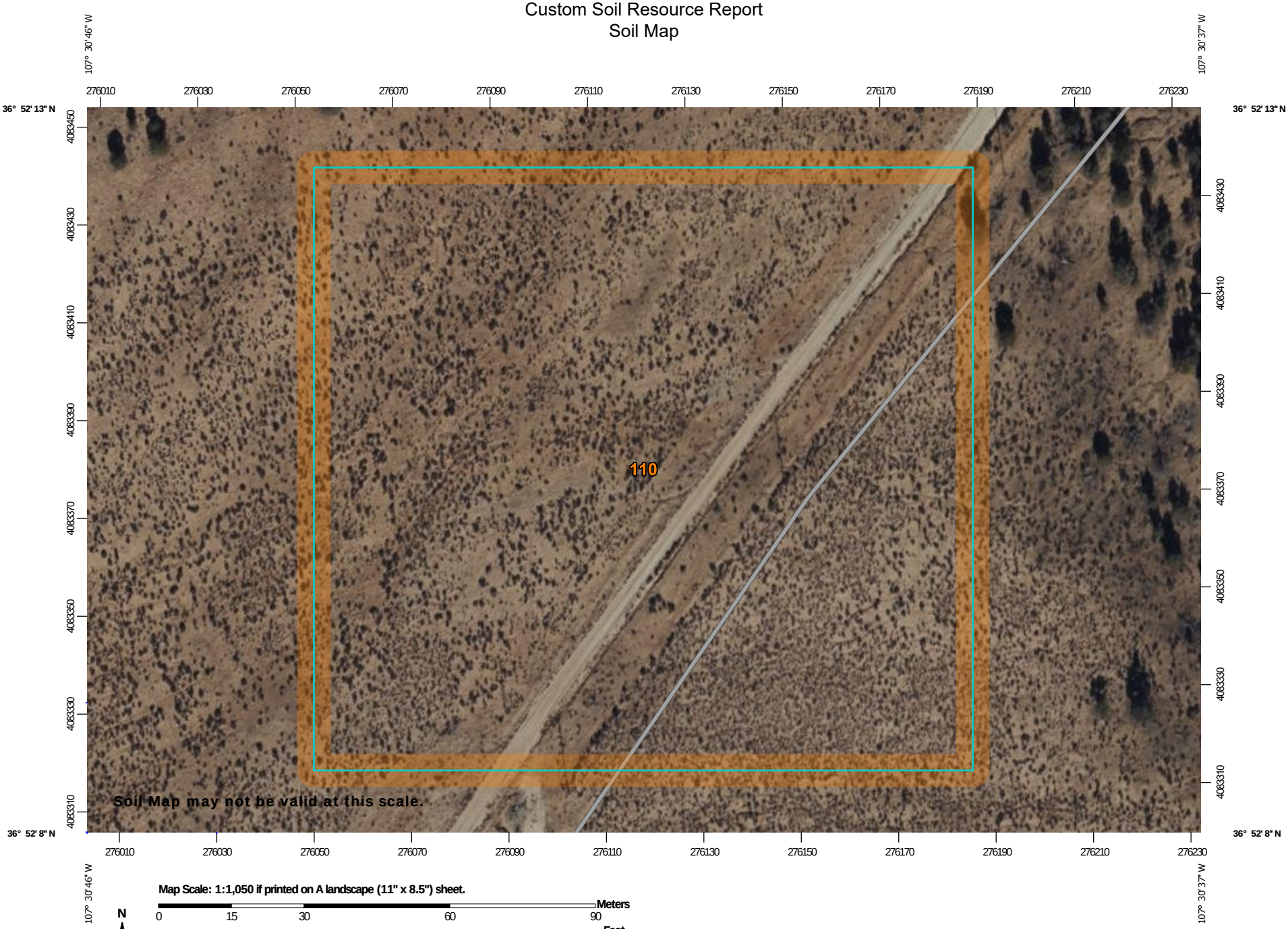
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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



Map Scale: 1:1,050 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 15 30 60 90

Feet: 0 50 100 200 300

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

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 1:24,000.

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: Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties
Survey Area Data: Version 23, 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: Sep 16, 2021—Dec 3, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

MAP LEGEND

MAP INFORMATION

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
110	Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes	4.1	100.0%
Totals for Area of Interest		**4.1**	**100.0%**

Map Unit Descriptions

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,

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.

Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

110—Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes

Map Unit Setting

National map unit symbol: 2vd1r
Elevation: 6,000 to 7,460 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 100 to 130 days
Farmland classification: Not prime farmland

Map Unit Composition

Vessilla and similar soils: 45 percent
Menefee and similar soils: 25 percent
Orlie and similar soils: 20 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vessilla

Setting

Landform: Mesas, hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, concave ***Across-slope shape:*** Convex, concave
Parent material: Alluvium derived from sandstone and/or eolian deposits derived from sandstone and/or residuum weathered from sandstone

Typical profile

A - 0 to 1 inches: sandy loam
C - 1 to 15 inches: sandy loam
R - 15 to 19 inches: bedrock

Properties and qualities

Slope: 1 to 30 percent
Depth to restrictive feature: 6 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 1.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: F035XG134NM - Gravelly - Woodland

Hydric soil rating: No

Description of Menefee

Setting

Landform: Mesas, hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, concave
Across-slope shape: Convex, concave
Parent material: Residuum weathered from shale and/or slope alluvium derived from shale

Typical profile

A - 0 to 3 inches: clay loam
Bw - 3 to 10 inches: clay loam
Cr - 10 to 14 inches: bedrock

Properties and qualities

Slope: 2 to 30 percent
Depth to restrictive feature: 8 to 20 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.03 to 0.28 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water supply, 0 to 60 inches: Very low (about 1.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: F035XG134NM - Gravelly - Woodland
Hydric soil rating: No

Description of Orlie

Setting

Landform: Mesas, hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex, concave
Across-slope shape: Convex, concave
Parent material: Alluvium derived from sandstone and shale and/or eolian deposits derived from sandstone and shale

Typical profile

A - 0 to 4 inches: fine sandy loam
Bt - 4 to 32 inches: clay loam
Bk - 32 to 80 inches: sandy clay loam

Properties and qualities

Slope: 1 to 8 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): Moderately high (0.21 to 0.71 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R036XB006NM - Loamy
Hydric soil rating: No

Minor Components

Pinavetes

Percent of map unit: 6 percent
Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: R036XB111NM - Sandy Slopes
Hydric soil rating: No

Gobernador

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R036XB010NM - Salty Bottomland
Hydric soil rating: No

Rock outcrop

Percent of map unit: 1 percent
Hydric soil rating: Unranked

Sparham

Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: R036XB002NM - Clayey
Hydric soil rating: No

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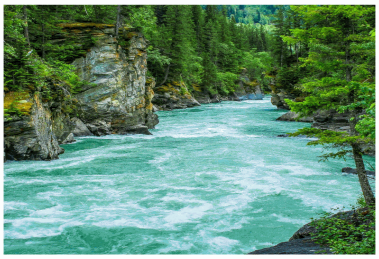
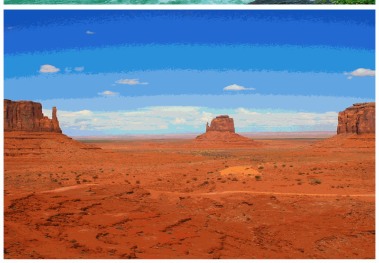
Report to:

Jerrid Brann





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Practical Solutions for a Better Tomorrow

Analytical Report

IKAV Energy Inc.

Project Name:	La Jara Water Gathering
Work Order:	E509025
Job Number:	20095-0001
Received:	9/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/8/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/8/25

Jerrid Brann
1199 Main Ave. Suite 242
Durango, CO 81301

Project Name: La Jara Water Gathering
Workorder: E509025
Date Received: 9/4/2025 12:17:00PM

Jerrid Brann,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/4/2025 12:17:00PM, under the Project Name: La Jara Water Gathering.

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

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Sample Summary

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	09/08/25 12:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 N. SIDEWALL	E509025-01A	Soil	09/04/25	09/04/25	Glass Jar, 4 oz.
SS02 E. SIDEWALL	E509025-02A	Soil	09/04/25	09/04/25	Glass Jar, 4 oz.
SS03 S. SIDEWALL	E509025-03A	Soil	09/04/25	09/04/25	Glass Jar, 4 oz.
SS04 W. SIDEWALL	E509025-04A	Soil	09/04/25	09/04/25	Glass Jar, 4 oz.
SS05 BASE	E509025-05A	Soil	09/04/25	09/04/25	Glass Jar, 4 oz.
SS06 FLOWPATH	E509025-06A	Soil	09/04/25	09/04/25	Glass Jar, 4 oz.

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

SS01 N. SIDEWALL

E509025-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Benzene	ND	0.0250	1	09/04/25	09/05/25	
Ethylbenzene	ND	0.0250	1	09/04/25	09/05/25	
Toluene	ND	0.0250	1	09/04/25	09/05/25	
o-Xylene	ND	0.0250	1	09/04/25	09/05/25	
p,m-Xylene	ND	0.0500	1	09/04/25	09/05/25	
Total Xylenes	ND	0.0250	1	09/04/25	09/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/04/25	09/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536076
Chloride	**463**	20.0	1	09/04/25	09/05/25	

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

SS02 E. SIDEWALL

E509025-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Benzene	ND	0.0250	1	09/04/25	09/05/25	
Ethylbenzene	ND	0.0250	1	09/04/25	09/05/25	
Toluene	ND	0.0250	1	09/04/25	09/05/25	
o-Xylene	ND	0.0250	1	09/04/25	09/05/25	
p,m-Xylene	ND	0.0500	1	09/04/25	09/05/25	
Total Xylenes	ND	0.0250	1	09/04/25	09/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/04/25	09/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536076
Chloride	**327**	20.0	1	09/04/25	09/05/25	

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

SS03 S. SIDEWALL

E509025-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Benzene	ND	0.0250	1	09/04/25	09/05/25	
Ethylbenzene	ND	0.0250	1	09/04/25	09/05/25	
Toluene	ND	0.0250	1	09/04/25	09/05/25	
o-Xylene	ND	0.0250	1	09/04/25	09/05/25	
p,m-Xylene	ND	0.0500	1	09/04/25	09/05/25	
Total Xylenes	ND	0.0250	1	09/04/25	09/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/04/25	09/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*95.0 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536076
Chloride	**134**	20.0	1	09/04/25	09/05/25	

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

SS04 W. SIDEWALL

E509025-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Benzene	ND	0.0250	1	09/04/25	09/05/25	
Ethylbenzene	ND	0.0250	1	09/04/25	09/05/25	
Toluene	ND	0.0250	1	09/04/25	09/05/25	
o-Xylene	ND	0.0250	1	09/04/25	09/05/25	
p,m-Xylene	ND	0.0500	1	09/04/25	09/05/25	
Total Xylenes	ND	0.0250	1	09/04/25	09/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/04/25	09/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*99.6 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536076
Chloride	**506**	20.0	1	09/04/25	09/05/25	

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

SS05 BASE

E509025-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Benzene	ND	0.0250	1	09/04/25	09/05/25	
Ethylbenzene	ND	0.0250	1	09/04/25	09/05/25	
Toluene	ND	0.0250	1	09/04/25	09/05/25	
o-Xylene	ND	0.0250	1	09/04/25	09/05/25	
p,m-Xylene	ND	0.0500	1	09/04/25	09/05/25	
Total Xylenes	ND	0.0250	1	09/04/25	09/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/04/25	09/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*96.8 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536076
Chloride	**449**	20.0	1	09/04/25	09/05/25	

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

SS06 FLOWPATH

E509025-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Benzene	ND	0.0250	1	09/04/25	09/05/25	
Ethylbenzene	ND	0.0250	1	09/04/25	09/05/25	
Toluene	ND	0.0250	1	09/04/25	09/05/25	
o-Xylene	ND	0.0250	1	09/04/25	09/05/25	
p,m-Xylene	ND	0.0500	1	09/04/25	09/05/25	
Total Xylenes	ND	0.0250	1	09/04/25	09/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536072
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/04/25	09/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*09/04/25*	*09/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*93.6 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536076
Chloride	**680**	20.0	1	09/04/25	09/05/25	

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536072-BLK1)									Prepared: 09/04/25 Analyzed: 09/05/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2536072-BS1)									Prepared: 09/04/25 Analyzed: 09/05/25
Benzene	4.28	0.0250	5.00		85.6	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.7	70-130			
Toluene	4.27	0.0250	5.00		85.5	70-130			
o-Xylene	4.27	0.0250	5.00		85.5	70-130			
p,m-Xylene	8.62	0.0500	10.0		86.2	70-130			
Total Xylenes	12.9	0.0250	15.0		86.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2536072-MS1)				**Source: E509024-04**					Prepared: 09/04/25 Analyzed: 09/05/25
Benzene	4.54	0.0250	5.00	ND	90.7	70-130			
Ethylbenzene	4.46	0.0250	5.00	ND	89.2	70-130			
Toluene	4.52	0.0250	5.00	ND	90.4	70-130			
o-Xylene	4.52	0.0250	5.00	ND	90.3	70-130			
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	70-130			
Total Xylenes	13.6	0.0250	15.0	ND	90.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2536072-MSD1)				**Source: E509024-04**					Prepared: 09/04/25 Analyzed: 09/05/25
Benzene	4.99	0.0250	5.00	ND	99.8	70-130	9.49	27	
Ethylbenzene	4.92	0.0250	5.00	ND	98.5	70-130	9.86	26	
Toluene	4.97	0.0250	5.00	ND	99.4	70-130	9.48	20	
o-Xylene	4.92	0.0250	5.00	ND	98.5	70-130	8.65	25	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	70-130	9.60	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.5	70-130	9.28	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.7*	*70-130*			

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536072-BLK1)									Prepared: 09/04/25 Analyzed: 09/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.37*		*8.00*		*105*	*70-130*			
LCS (2536072-BS2)									Prepared: 09/04/25 Analyzed: 09/05/25
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.68*		*8.00*		*109*	*70-130*			
Matrix Spike (2536072-MS2)				**Source: E509024-04**					Prepared: 09/04/25 Analyzed: 09/05/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.68*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2536072-MSD2)				**Source: E509024-04**					Prepared: 09/04/25 Analyzed: 09/05/25
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	0.872	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.56*		*8.00*		*107*	*70-130*			

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536078-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
LCS (2536078-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*46.4*		*50.0*		*92.9*	*61-141*			
Matrix Spike (2536078-MS1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			
Matrix Spike Dup (2536078-MSD1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156	0.373	20	
Surrogate: n-Nonane	*45.7*		*50.0*		*91.4*	*61-141*			

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/8/2025 12:48:18PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536076-BLK1)									Prepared: 09/04/25 Analyzed: 09/04/25
Chloride	ND	20.0							
LCS (2536076-BS1)									Prepared: 09/04/25 Analyzed: 09/04/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2536076-MS1)				**Source: E509024-05**					Prepared: 09/04/25 Analyzed: 09/04/25
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2536076-MSD1)				**Source: E509024-05**					Prepared: 09/04/25 Analyzed: 09/04/25
Chloride	257	20.0	250	ND	103	80-120	0.209	20	

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

Definitions and Notes

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	09/08/25 12:48

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: IKAV Energy	Company: IKAV Energy	Lab WO# E509025	Job Number 20095-0001	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: LA JARA WATER GATHERING	Address: 1199 Main Ave Suite 101			
Project Manager: Jerrid Brann	City, State, Zip: Durango, CO 81301			
Address:1199 Main Ave Suite 101	Phone: 970-394-0250			
City, State, Zip: Durango, CO 81301	Email: jerrid.brann@ikavenergy.com			
Phone:970-39-0250	Miscellaneous:			
Email:jerrid.brann@ikavenergy.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	ECMC Table 915-1	Remarks
9:35	9-4-25	SOIL	1	SS01 N. SIDEWALL		1	X	X	X		X						5.7°
9:40	9-4-25	SOIL	1	SS02 E. SIDEWALL		2	X	X	X		X						5.5°
9:47	9-4-25	SOIL	1	SS03 S. SIDEWALL		3	X	X	X		X						5.6°
9:53	9-4-25	SOIL	1	SS04 W. SIDE WALL		4	X	X	X		X						5.1°
10:00	9-4-25	SOIL	1	SS05 BASE		5	X	X	X		X						5.5°
10:10	9-4-25	SOIL	1	SS06 FLOWPATH		6	X	X	X		X						5.7°

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions:

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

Sampled by: JERRID BRANN

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-4-25	12:17		9-4-25	1217
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/4/2025 12:36:43PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	IKAV Energy Inc.	Date Received:	09/04/25 12:17	Work Order ID:	E509025
Phone:	(970) 828-4060	Date Logged In:	09/04/25 12:31	Logged In By:	Noe Soto
Email:	jerrid.brann@ikavenergy.com	Due Date:	09/08/25 07:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Jerrid Brann
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

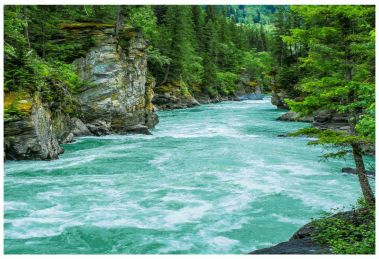
Signature of client authorizing changes to the COC or sample disposition.

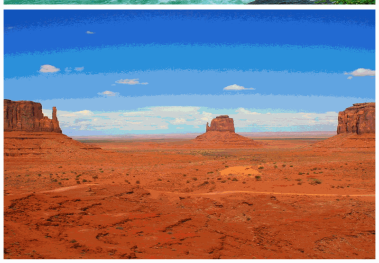
Date

envirotech Inc.

Report to:

Jerrid Brann





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

IKAV Energy Inc.

Project Name:	La Jara Water Gathering
Work Order:	E509176
Job Number:	20095-0001
Received:	9/17/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/24/25

Date Reported: 9/24/25

Jerrid Brann
1199 Main Ave. Suite 242
Durango, CO 81301

Project Name: La Jara Water Gathering
Workorder: E509176
Date Received: 9/17/2025 1:16:00PM

Jerrid Brann,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/17/2025 1:16:00PM, under the Project Name: La Jara Water Gathering.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	09/24/25 09:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07 FLOWPATH	E509176-01A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SS08 DG FLOWPATH	E509176-02A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/24/2025 9:50:21AM

SS07 FLOWPATH

E509176-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538076
Benzene	ND	0.0250	1	09/17/25	09/18/25	
Ethylbenzene	ND	0.0250	1	09/17/25	09/18/25	
Toluene	ND	0.0250	1	09/17/25	09/18/25	
o-Xylene	ND	0.0250	1	09/17/25	09/18/25	
p,m-Xylene	ND	0.0500	1	09/17/25	09/18/25	
Total Xylenes	ND	0.0250	1	09/17/25	09/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*09/17/25*	*09/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538076
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/25	09/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*09/17/25*	*09/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/18/25*	*09/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/19/25	

Sample Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	9/24/2025 9:50:21AM

SS08 DG FLOWPATH

E509176-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538076
Benzene	ND	0.0250	1	09/17/25	09/18/25	
Ethylbenzene	ND	0.0250	1	09/17/25	09/18/25	
Toluene	ND	0.0250	1	09/17/25	09/18/25	
o-Xylene	ND	0.0250	1	09/17/25	09/18/25	
p,m-Xylene	ND	0.0500	1	09/17/25	09/18/25	
Total Xylenes	ND	0.0250	1	09/17/25	09/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*09/17/25*	*09/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538076
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/25	09/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*09/17/25*	*09/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/18/25*	*09/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538091
Chloride	ND	20.0	1	09/18/25	09/19/25	

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/24/2025 9:50:21AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538076-BLK1)									Prepared: 09/17/25 Analyzed: 09/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			
LCS (2538076-BS1)									Prepared: 09/17/25 Analyzed: 09/18/25
Benzene	4.78	0.0250	5.00		95.5	70-130			
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130			
Toluene	4.77	0.0250	5.00		95.5	70-130			
o-Xylene	4.87	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.4*	*70-130*			
Matrix Spike (2538076-MS1)				**Source: E509177-01**					Prepared: 09/17/25 Analyzed: 09/18/25
Benzene	4.94	0.0250	5.00	ND	98.9	70-130			
Ethylbenzene	4.90	0.0250	5.00	ND	97.9	70-130			
Toluene	4.95	0.0250	5.00	ND	99.0	70-130			
o-Xylene	5.01	0.0250	5.00	ND	100	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2538076-MSD1)				**Source: E509177-01**					Prepared: 09/17/25 Analyzed: 09/18/25
Benzene	4.88	0.0250	5.00	ND	97.7	70-130	1.21	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130	0.927	26	
Toluene	4.89	0.0250	5.00	ND	97.8	70-130	1.19	20	
o-Xylene	4.92	0.0250	5.00	ND	98.4	70-130	1.74	25	
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	70-130	1.02	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.26	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.2*	*70-130*			

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/24/2025 9:50:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538076-BLK1)									Prepared: 09/17/25 Analyzed: 09/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.98*		*8.00*		*99.8*	*70-130*			
LCS (2538076-BS2)									Prepared: 09/17/25 Analyzed: 09/18/25
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike (2538076-MS2)				**Source: E509177-01**					Prepared: 09/17/25 Analyzed: 09/18/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.23*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2538076-MSD2)				**Source: E509177-01**					Prepared: 09/17/25 Analyzed: 09/18/25
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130	10.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.24*		*8.00*		*103*	*70-130*			

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/24/2025 9:50:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538080-BLK1)									Prepared: 09/18/25 Analyzed: 09/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*61-141*			
LCS (2538080-BS1)									Prepared: 09/18/25 Analyzed: 09/18/25
Diesel Range Organics (C10-C28)	254	25.0	250		101	66-144			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*61-141*			
Matrix Spike (2538080-MS1)				**Source: E509177-01**					Prepared: 09/18/25 Analyzed: 09/18/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*61-141*			
Matrix Spike Dup (2538080-MSD1)				**Source: E509177-01**					Prepared: 09/18/25 Analyzed: 09/18/25
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156	2.27	20	
Surrogate: n-Nonane	*49.4*		*50.0*		*98.9*	*61-141*			

QC Summary Data

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	**Reported:**
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Jerrid Brann	9/24/2025 9:50:21AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538091-BLK1)									Prepared: 09/18/25 Analyzed: 09/18/25
Chloride	ND	20.0							
LCS (2538091-BS1)									Prepared: 09/18/25 Analyzed: 09/18/25
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2538091-MS1)				**Source: E509162-04**					Prepared: 09/18/25 Analyzed: 09/18/25
Chloride	251	20.0	250	ND	101	80-120			
Matrix Spike Dup (2538091-MSD1)				**Source: E509162-04**					Prepared: 09/18/25 Analyzed: 09/18/25
Chloride	251	20.0	250	ND	100	80-120	0.0919	20	

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

Definitions and Notes

IKAV Energy Inc.	Project Name:	La Jara Water Gathering	
1199 Main Ave. Suite 242	Project Number:	20095-0001	**Reported:**
Durango CO, 81301	Project Manager:	Jerrid Brann	09/24/25 09:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: IKAV Energy	Company: IKAV Energy	Lab WO# E5091176	1D 2D 3D Std	NM CO UT TX
Project Name: LA JARA WATER GATHERING	Address: 1199 Main Ave Suite 101	Job Number 20015-0001		NM
Project Manager: Jerrid Brann	City, State, Zip: Durango, CO 81301			
Address:1199 Main Ave Suite 101	Phone: 970-394-0250			
City, State, Zip: Durango, CO 81301	Email: jerrid.brann@ikavenergy.com			
Phone:970-39-0250	Miscellaneous:			
Email:jerrid.brann@ikavenergy.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	ECMC Table 915-1	Sample temp Remarks
11:10	9-17-25	SOIL	1	SS07 FLOWPATH		1	X	X	X		X						7.9°C
11:19	9-17-25	SOIL	1	SS08 DG FLOWPATH		2	X	X	X		X						8.1°C

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: PLEASE INCLUDE jerrid.brann@MACHNR.com IN RESULTS

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

Sampled by: JERRID BRANN

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-17-25	13:15	Received by: (Signature)	9/17/25	13:16
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/24/2025 9:48:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	IKAV Energy Inc.	Date Received:	09/17/25 13:16	Work Order ID:	E509176
Phone:	(970) 828-4060	Date Logged In:	09/17/25 15:14	Logged In By:	Raina Schwanz
Email:	jerrid.brann@ikavenergy.com	Due Date:	09/24/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Jerrid Brann
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Samples received on ice. Sample temperatures were above 6 degrees celsius.

Client Instruction

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

Date

envirotech Inc.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 527789

QUESTIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2524128523**
Incident Name	**NAPP2524128523 LA JARA WATER GATHERING PIPELINE @ L-30-31N-06W 185N 600W**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	La Jara Water Gathering Pipeline
Date Release Discovered	08/25/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 12 BBL | Recovered: 0 BBL | Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
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	No containment devices were constructed due to no free standing liquid.
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: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@machnr.com Date: 11/20/2025

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QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 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	None
A 100-year floodplain	Between 1000 (ft.) and ½ (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)	680
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/02/2025
On what date will (or did) the final sampling or liner inspection occur	09/17/2025
On what date will (or was) the remediation complete(d)	09/12/2025
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	336
What is the estimated volume (in cubic yards) that will be remediated	100
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	fEEM0112336756 ENVIROTECH LANDFARM #2
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@machnr.com Date: 11/20/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**505802**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**09/17/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**150**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	336
What was the total volume (cubic yards) remediated	100
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	None

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@machnr.com Date: 11/20/2025

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QUESTIONS (continued)

Operator:	OGRID:
SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 527789
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	12/1/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	12/1/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/1/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/1/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/1/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	12/1/2025