Mudge LS 23M/ Spill ID - nAPP2523250454

SIMCOE LLC 1199 Main Ave, Suite 101 Durango, CO 81301

To whom it may concern,

Event Background:

On 8/14/2025 during the removal of a BGT on site for replacement it was discovered that the tank bottom had failed due to corrosion and leaked produced water through to the ground below. Simcoe had evacuated the liquids in the tank prior to removal. Approximately 13 BBLS were released with 8 BBLS recovered by vac truck, and 5 BBLS of produced water lost. After initial delineation sampling returned with results passing the strictest levels of NMOCD Table 1 standards, Simcoe elected to remove the discolored soil from the excavation and re-sample for closure on 9/5/2025.

Site Assessment and Charatcterization:

- i. Potential impacts from contaminates of concern.
 - a. Produced water from natural gas production impacting the environment through soil contamination
- 2. Distance to nearest surface water, irrigation, or waters of the US
 - a. 4.28 miles to the Animas River.
 - b. Map attached.
- 3. Geologic and hydrologic characteristics
 - a. Soil type New Mexico Bad Land
 - b. Seasonal hydrologic characteristics include precipitation runoff during rain/melting.
 - c. Soil report attached.
- 4. Distance to nearest permitted well
 - a. Domestic well SJ-02099 is 1.78 miles west of location. Unable to find water level data for this well. Water level data is available on SJ-03660 870' southwest of SJ-02099.
 - b. Total well depth of well SJ-03660 is 70'
 - c. Static water level of well SJ-03660 is 42'
 - d. See attached maps and documentation.
- 5. Determination of clean up standards
 - a. Due to the lack of groundwater data within a ½ mile of the release, Simcoe elected to remediate to the most stringent NMOCD closure criteria of less than 50' to groundwater.

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Soil Sampling Plan:

- 1. Sampling and Analysis:
 - a. Soil samples were collected on 8/14/2025, in the spill area and analyzed for TPH, BTEX, Benzene, and Chlorides in order to delineate the spill. On 9/5/2025 in accordance with NMOCD 19.15.29.12. Simcoe was on site to sample the sidewalls at one foot depth and the base as 5 point composites for less than 200 square feet for closure with results indicating the release did not impact the ground. Simcoe replaced the failed BGT and backfilled to the previous contour of the well pad.
 - Results of soil sampling indicated no impacts to the soil compared to NMOCD Table 1 standards.
 - c. A map is attached for location of sampling.

Notifications:

Per NMAC 19.15.29.10 the NMOCD was notified of the release by NOR and C-141 submission on 8/20/2025.

Per NMAC 19.15.29.12.D.1.a, NMOCD was notified of sampling by Simcoe on 9/3/2025 by C-141N of the closure sampling occurring on 9/5/2025.

Remediation/Reclamation Plan:

- Approximately 10 yards of soil was removed from the BGT excavation and hauled to the land farm.
 - a. Envirotech Soil Remediation Facility Permit # NM-01-0011
- 2. Simcoe is proposing no further remediation or reclamation as the well is still being produced.

Conclusion:

Closure sampling results indicate that no contamination remains from the impacted soil. Sampling results are below the most stringent standards set by NMOCD Table 1 for soils with groundwater depth less than 50'. Simcoe is requesting closure of this release.

Mudge LS 023 M Release



Notes: Soil Samples collected by Simcoe on 8/14/2025 and 9/5/2025

Reportable spill

Sample

Well Released to Imaging: 12/4/2025 1:44:56 PM

Mudge LS 023 M BGT Leak

Location: Sec 5, T31N, R1W



General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 497837

QUESTIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Mudge LS 023M
Date Release Discovered	08/14/2025
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 Tank (Any) Produced Water Released: 13 BBL Recovered: 5 BBL Lost: 8 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 497837

QUESTIONS	(continued)

Operator.	OGRID.
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

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.		

nitial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Released free liquids were recovered via vac truck, remaining impacted material is contained within the dig of the BGT.

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 497837

ACKNOWLEDGMENTS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

$\overline{\lor}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
V	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.
V	I acknowledge the fact that 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.
V	I acknowledge the fact that, 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.

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

CONDITIONS

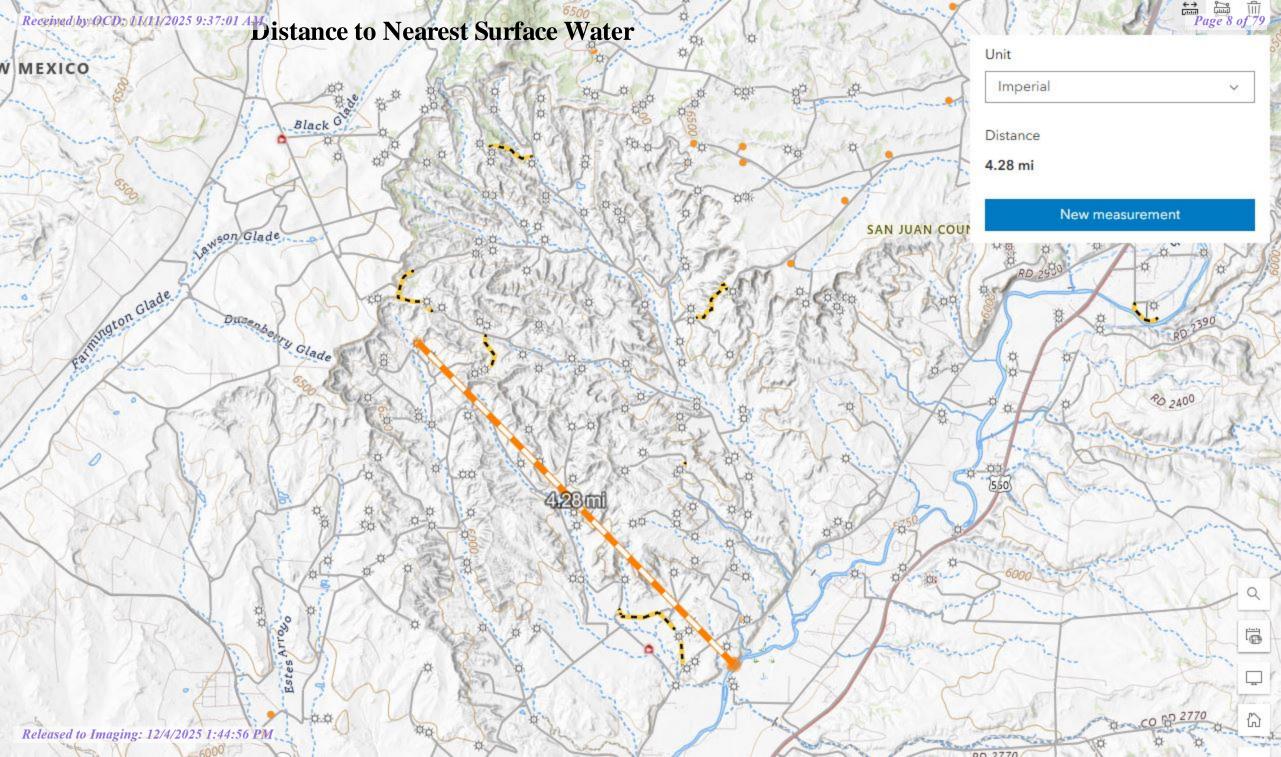
Action 497837

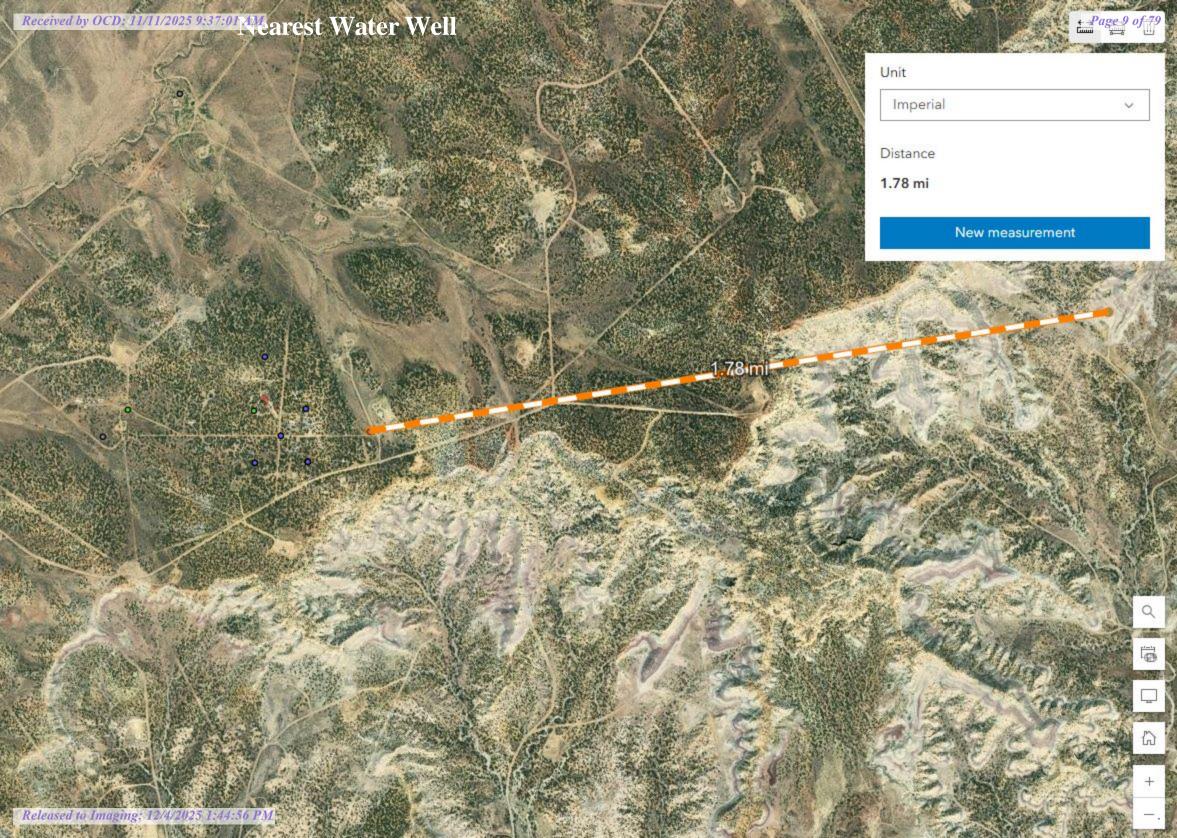
CONDITIONS

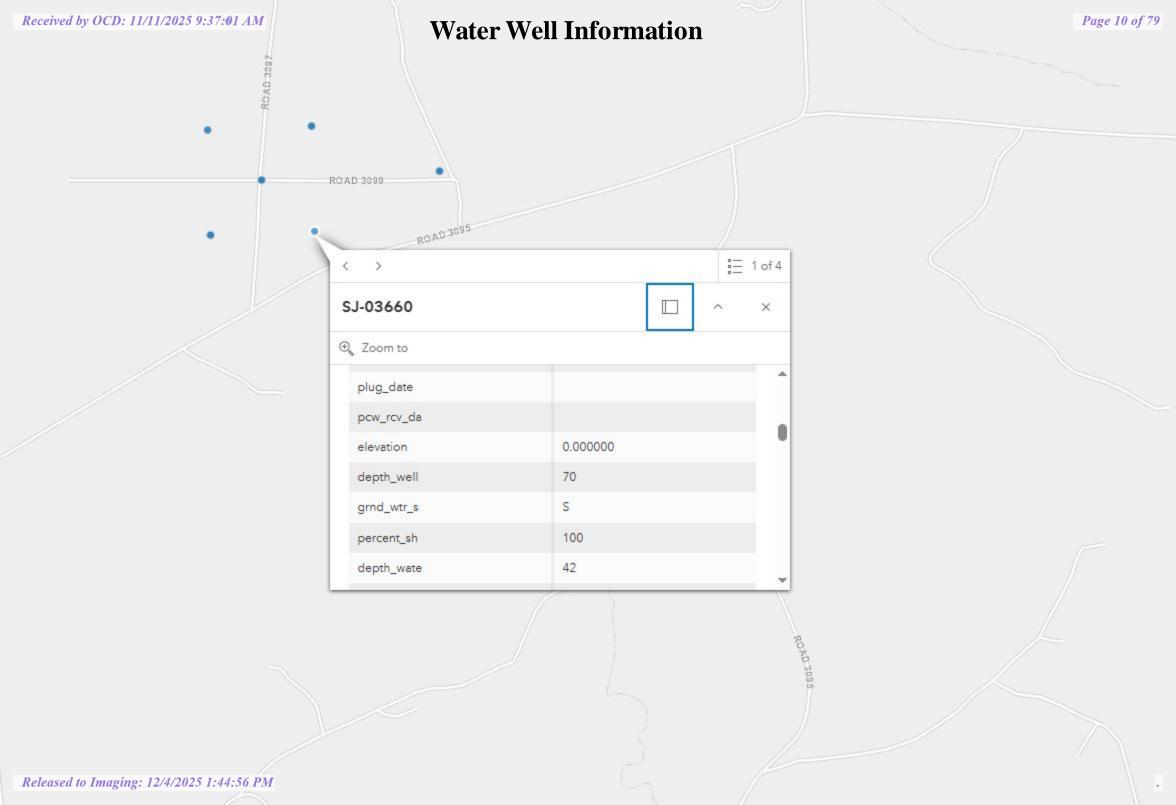
Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By		Condition Date
jbranı	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141.	0/2025







Soil Sampling Results Mudge LS 023 M						
Parameter	\$\$01 8/14/2025 5-Point Comp Base	SS02 8/14/2025 N. Sidewall	SS03 8/14/2025 E. Sidewall	SS04 8/14/2025 S. Sidewall	\$\$05 8/14/2025 W. Sidewall	Units
Depth	5-6	2	2	2	2	Feet - BGS
Chloride	ND	ND	ND	ND	ND	ppm
Benzene	ND	ND	ND	ND	ND	mg/kg
Toluene	ND	ND	ND	ND	ND	mg/kg
Ethylbenzene	0.036	ND	ND	ND	ND	mg/kg
Total Xylenes	0.420	ND	ND	ND	ND	mg/kg
Total BTEX	0.456	ND	ND	ND	ND	mg/kg
TPH (GRO)	ND	ND	ND	ND	ND	mg/kg
TPH (DRO)	ND	ND	ND	ND	ND	mg/kg
TPH (EXT DRO)	ND	ND	ND	ND	ND	mg/kg
Total TPH	ND	ND	ND	ND	ND	mg/kg

Parameter	\$\$06 9/5/2025 N. Sidewall	SS07 9/5/2025 E. Sidewall	SS08 9/5/2025 S. Sidewall	SS09 9/5/2025 W. Sidewall	SS10 9/5/2025 5-Point comp base	Units
Depth	1	1	1	1	6	Feet - BGS
Chloride	ND	35.000	ND	ND	ND	ppm
Benzene	ND	ND	ND	ND	ND	mg/kg
Toluene	ND	ND	ND	ND	ND	mg/kg
Ethylbenzene	ND	ND	ND	ND	ND	mg/kg
Total Xylenes	ND	0.033	ND	ND	ND	mg/kg
Total BTEX	ND	0.033	ND	ND	ND	mg/kg
TPH (GRO)	ND	ND	ND	ND	ND	mg/kg
TPH (DRO)	ND	ND	ND	ND	ND	mg/kg
TPH (EXT DRO)	ND	ND	ND	ND	ND	mg/kg
Total TPH	ND	ND	ND	ND	ND	mg/kg

Notes:

PID - Photoionization Detector

BTEX - Benzene, Toluene, Ethylbenzene, and total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT-Extended

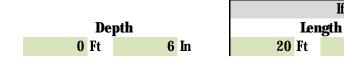
IKAV Spill Calculation Sheet

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) Did Release Go Off Location/ROW?

Well Pad No



If non-circle, fill out L and W:

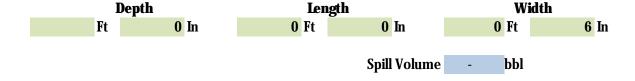
h Width

O In 15 Ft 6 In

Spill Volume 12.917 bbl Report release to TL

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

Sand



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 12.917 bbl

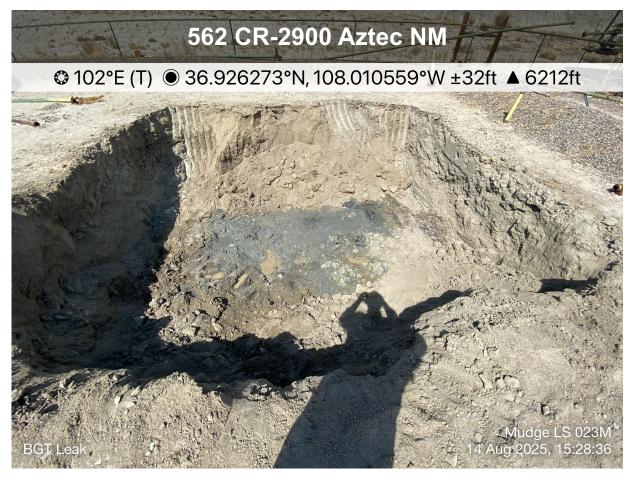
Basis Notes:

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

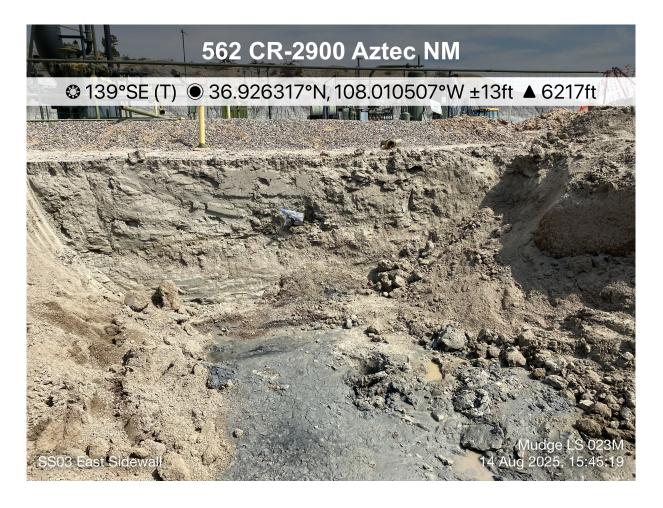






























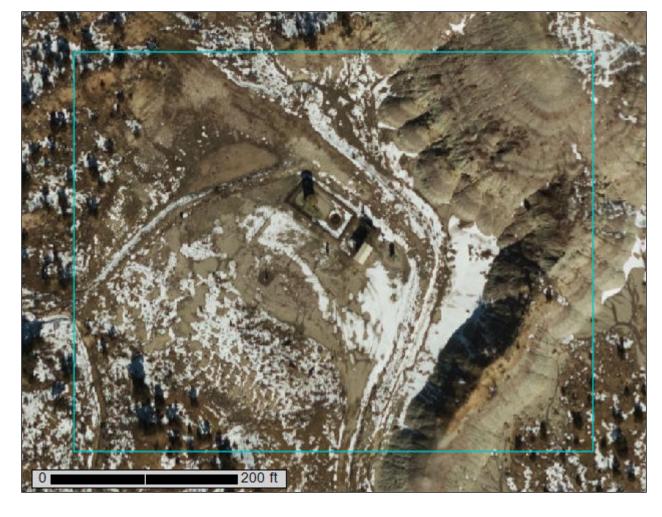


USDA United States Department of Agriculture

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 San Juan County, New Mexico, **Eastern Part**



Preface

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

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

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

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

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

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

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How Soil Surveys Are Made

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

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

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

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

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

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.



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

OI)

Spoil Area Stony Spot

Soil Map Unit Polygons

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

Ø

å

Δ

Water Features

Transportation

0

Background

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

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

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:63.400.

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: San Juan County, New Mexico, Eastern Part Survey Area Data: Version 20, Sep 3, 2024

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

Date(s) aerial images were photographed: Nov 25, 2021—Jan 20, 2022

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Badland	5.4	100.0%
Totals for Area of Interest		5.4	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.

San Juan County, New Mexico, Eastern Part

BA—Badland

Map Unit Setting

National map unit symbol: 1ww1 Elevation: 4,800 to 6,400 feet

Mean annual precipitation: 6 to 10 inches

Mean annual air temperature: 51 to 55 degrees F

Frost-free period: 140 to 160 days

Farmland classification: Not prime farmland

Map Unit Composition

Badland: 100 percent

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

Description of Badland

Setting

Landform: Breaks

Landform position (three-dimensional): Side slope

Down-slope shape: Convex Across-slope shape: Convex Parent material: Shale

Typical profile

R - 0 to 60 inches: bedrock

Properties and qualities

Slope: 5 to 80 percent

Depth to restrictive feature: 0 to 2 inches to paralithic bedrock

Drainage class: Somewhat excessively drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

high (0.00 to 0.60 in/hr)

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 5 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 5.0

Available water supply, 0 to 60 inches: Very low (about 0.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8e

Hydric soil rating: No

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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: Mudge LS 023 M

Work Order: E508176

Job Number: 20095-0001

Received: 8/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/18/25

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. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 8/18/25

Jerrid Brann

1199 Main Ave. Suite 242 Durango, CO 81301

Project Name: Mudge LS 023 M

Workorder: E508176

Date Received: 8/14/2025 4:54:00PM

Jerrid Brann,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/14/2025 4:54:00PM, under the Project Name: Mudge LS 023 M.

The analytical test results summarized in this report with the Project Name: Mudge LS 023 M 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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Sample Summary

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ſ	IKAV Energy Inc.	Project Name:	Mudge LS 023 M	Reported:
ı	1199 Main Ave. Suite 242	Project Number:	20095-0001	Keporteu.
l	Durango CO, 81301	Project Manager:	Jerrid Brann	08/18/25 15:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 5-POINT BASE	E508176-01A	Soil	08/14/25	08/14/25	Glass Jar, 4 oz.
SS02 N. SIDEWALL	E508176-02A	Soil	08/14/25	08/14/25	Glass Jar, 4 oz.
SS03 E. SIDEWALL	E508176-03A	Soil	08/14/25	08/14/25	Glass Jar, 4 oz.
SS04 S. SIDEWALL	E508176-04A	Soil	08/14/25	08/14/25	Glass Jar, 4 oz.
SS05 W SIDEWALI	E508176-05A	Soil	08/14/25	08/14/25	Glass Iar 4 oz



IKAV Energy Inc.	Project Name:	Mudge LS 023 M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	8/18/2025 3:24:37PM

SS01 5-POINT BASE

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	0.0357	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	0.0358	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	0.384	0.0500	1	08/15/25	08/15/25	
Total Xylenes	0.420	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2533120
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/16/25	
Surrogate: n-Nonane		104 %	61-141	08/15/25	08/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2533130
Chloride	ND	20.0	1	08/15/25	08/15/25	

IKAV Energy Inc.	Project Name:	Mudge LS 023 M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	8/18/2025 3:24:37PM

SS02 N. SIDEWALL

Austra	D14	Reporting		D	A	N
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2533120
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/16/25	
Surrogate: n-Nonane		92.1 %	61-141	08/15/25	08/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2533130
Chloride	ND	20.0	1	08/15/25	08/15/25	

IKAV Energy Inc.	Project Name:	Mudge LS 023 M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	8/18/2025 3:24:37PM

SS03 E. SIDEWALL

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2533120
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/16/25	
Surrogate: n-Nonane		97.2 %	61-141	08/15/25	08/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2533130
Chloride	ND	20.0	1	08/15/25	08/15/25	



IKAV Energy Inc.	Project Name:	Mudge LS 023 M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	8/18/2025 3:24:37PM

SS04 S. SIDEWALL

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2533120
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/16/25	
Surrogate: n-Nonane		92.1 %	61-141	08/15/25	08/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2533130
Chloride	ND	20.0	1	08/15/25	08/15/25	

IKAV Energy Inc.	Project Name:	Mudge LS 023 M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	8/18/2025 3:24:37PM

SS05 W. SIDEWALL

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2533120
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/16/25	
Surrogate: n-Nonane		96.1 %	61-141	08/15/25	08/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	mg/kg Analysi			Batch: 2533130
Chloride	ND	20.0	1	08/15/25	08/15/25	

IKAV Energy Inc. Project Name: Mudge LS 023 M Reported:
1199 Main Ave. Suite 242 Project Number: 20095-0001
Durango CO, 81301 Project Manager: Jerrid Brann 8/18/2025 3:24:37PM

1199 Main Ave. Suite 242 Durango CO, 81301		Project Number: Project Manager:		0095-0001 errid Brann					8/18/2025 3:24:37PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533121-BLK1)							Prepared: 0	8/15/25 A	nalyzed: 08/15/25
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	8.11		2.00		101	70-130			
LCS (2533121-BS1)							Prepared: 0	8/15/25 A	nalyzed: 08/15/25
Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike (2533121-MS1)				Source:	E508172-	-01	Prepared: 0	8/15/25 A	nalyzed: 08/15/25
Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	70-130			
Γoluene	5.10	0.0250	5.00	ND	102	70-130			
p-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130		<u> </u>	
Matrix Spike Dup (2533121-MSD1)				Source:	E508172-	-01	Prepared: 0	8/15/25 A	nalyzed: 08/15/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	0.643	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	70-130	0.833	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.871	20	
p-Xylene	4.88	0.0250	5.00	ND	97.7	70-130	0.365	25	



9.90

14.8

8.02

0.0500

0.0250

10.0

15.0

8.00

ND

ND

99.0

98.5

100

70-130

70-130

70-130

0.720

0.603

23

26

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Mudge LS 023 M IKAV Energy Inc. Project Name: Reported: 1199 Main Ave. Suite 242 Project Number: 20095-0001 Durango CO, 81301 Project Manager: Jerrid Brann 8/18/2025 3:24:37PM

Nonhalogenated	Organics by	EPA 8	8015D - GRO
1 (0111111108011111111111111111111111111	organics of		0110

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533121-BLK1)							Prepared: 0	8/15/25 Anal	yzed: 08/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
LCS (2533121-BS2)							Prepared: 0	08/15/25 Anal	yzed: 08/18/25
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			
Matrix Spike (2533121-MS2)				Source:	E508172-	-01	Prepared: 0	8/15/25 Anal	yzed: 08/15/25
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.6	70-130			
Matrix Spike Dup (2533121-MSD2)				Source:	E508172-	-01	Prepared: 0	8/15/25 Anal	yzed: 08/15/25
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	1.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			



Surrogate: n-Nonane

QC Summary Data

 IKAV Energy Inc.
 Project Name:
 Mudge LS 023 M
 Reported:

 1199 Main Ave. Suite 242
 Project Number:
 20095-0001

 Durango CO, 81301
 Project Manager:
 Jerrid Brann
 8/18/2025
 3:24:37PM

Durango CO, 81301		Project Manage	r: Jei	rrid Brann				8/13	3/2025 3:24:3/PN
	Nonha	logenated Or	ganics by l	EPA 8015	D - DRO	/ORO		1	Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533120-BLK1)							Prepared: 0	8/15/25 Analy	zed: 08/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			
LCS (2533120-BS1)							Prepared: 0	8/15/25 Analy	zed: 08/15/25
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			
Matrix Spike (2533120-MS1)				Source	: E508174	-03	Prepared: 0	8/15/25 Analy	zed: 08/15/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156			
Surrogate: n-Nonane			50.0		100	61-141			
Matrix Spike Dup (2533120-MSD1)				Source	: E508174	-03	Prepared: 0	8/15/25 Analy	zed: 08/15/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156	5.15	20	

50.0

61-141



Chloride

Chloride

Matrix Spike Dup (2533130-MSD1)

QC Summary Data

IKAV Energy Inc.	Project Name:	Mudge LS 023 M	Reported:
1199 Main Ave. Suite 242	Project Number:	20095-0001	-
Durango CO, 81301	Project Manager:	Jerrid Brann	8/18/2025 3:24:37PM

		Anions	by EPA 3	00.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533130-BLK1)							Prepared: 0	8/15/25 Anal	yzed: 08/15/25
Chloride	ND	20.0							
LCS (2533130-BS1)							Prepared: 0	08/15/25 Anal	yzed: 08/15/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2533130-MS1)			Source:	E508176-	-02	Prepared: 0	08/15/25 Anal	yzed: 08/15/25	

250

20.0

20.0

ND

101

102

Source: E508176-02

80-120

80-120

Prepared: 08/15/25 Analyzed: 08/15/25

254

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:	Mudge LS 023 M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	08/18/25 15:24

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.



_	Clie	nt Inform	nation		114	Invoice Informatio	n			La	ab Us	e Or	ıly		П		T/	AT		State	
Client: II	KAV Energy lame: Mus	GE L	5 023	M		Company: IKAV Energy Address: 1199 Main Ave Suite	101	Lat	wo# 50€	117	L.		Num	ber <i>OSC</i>		1D	2D	3D Ste	I NV	1 CO UT	TX
	/lanager: Jer				5.66	City, State, Zip: Durango, CO 8		333	<u>, </u>		<u>V</u>	<u>16 94</u>	-12			.	ightharpoons				
	1199 Main A					Phone: 970-394-0250						Ana	lysis	and	Meti	hod		34 40 14 00 <u>22</u>	E	PA Progra	m
	e, Zip: Dura	ngo, CO 8	31301			Email: jerrid.brann@ikavener	rgy.com												SDWA	CWA	RCRA
	70-39-0250				-	Miscellaneous:			Š		i							1 1			
Email:jer	<u>rid.brann@i</u>	kavenergy	v.com						윉	55					I				Compliar		or N
				Camn	le Inform	ation			DRO/ORO by 8015	GRO/DRO by 8015	17	92	Chloride 300.0	Σ	ř	RCRA 8 Metals	Cation/Anion Pkg	ECMC Table 915-1	PWSID#		
Time		1	No. of	Janip	ie iiiioiiii		ة <u>ص</u>	Lab	4 8	PRO .	BTEX by 8021	VOC by 8260	ride 3	5	55	18 M	J/Anf	Tab Tab	8	Remarks	
Sampled	Date Sampled	Matrix	Containers			Sample ID	Field	Numbei	. <u>%</u>	GRO,	BTEX	Š	Chlor	BGDOC - NM	TCEQ 1005 - TX	RCR4	Catto	ECMC	temp		
14:00	B-14-25	SOIL	1	5501	5-	POINT BASE		1	1	X	X		Y						5.5		
15:35	8-14-25	501	1	550	2 1	1. SIDEWALL		2	X	X	乂		X						5.1°		
15:45	8-14-25	.SOIL	1	3503	ϵ	SIDEWALL SIDEWALL		3	X	X	X		X						5.3		
15:50	8-14-25	SOIL	1	5604	5.	S10EWALL		4	X	X	X		X						5.5		
15:55	8-14-25	501L	1	3505	W.	SIDEWALL		5	X	X	X		٨						5.60	<u>r</u>	
Addition	al Instructio	ns:																			
			authenticity	of this sample.	l am aware	that tampering with or intentionally mislabe	ling the samp	le location,	date or	time o	f colle	ction is	consid	lered fr	aud an	nd may	y be gr	ounds for le	gal action.		
Relipquish	ed by Signatur	re)	Date \$-	14-25	ime 16:5°	Received by: (Signature)	Date	14.23	Time	;5L	٦									on ice the day but less than 6	
Relinquishe	ed by (Signatu	e)	Date	Ī	ime	Received by: (Signature)	Date		Time					Rece	ived	on i	ce:	Lab L	Jse Only		
Relinquished by: (Signature) Date Time Received by: (Signature)			Date		Time			7		Received on ice: N			-	Т3							
Relinquished by: (Signature) Date Time Received by: (Signature)			Date		Time					AVG	Tom	n °C	 .	14		13					
Sample Mati	rix: S - Soil, Sd - So	olid, Sg - Slud	ge, A - Aqueo	ous, O - Other _			Con	tainer Typ	e: g - i	glass,	p - p	oly/p						VOA	ī		
					unless oth	er arrangements are made. Hazardous				<u> </u>	<u> </u>								the analysis	of the abov	e samples
is applicabl	e only to those	samples re-	ceived by th	ne laboratory	with this C	OC. The liability of the laboratory is lim	ited to the	amount pai	id for o	n the	repor	t.							-		



envirotech

Envirotech Analytical Laboratory

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:	08/14/25 16:	54	Work Order ID:	E508176
Phone:	(970) 828-4060	Date Logged In:	08/14/25 17:	02	Logged In By:	Noe Soto
Email:	jerrid.brann@ikavenergy.com	Due Date:	08/18/25 07:	:00 (2 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Jerrid Brann		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	s/Resolution
Sample T	Curn Around Time (TAT)	ion.				
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>-</u> Cooler_					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?		NA			
=	e sample received on ice?					
	Note: Thermal preservation is not required, if samples at 15 minutes of sampling		Yes			
	OC for individual sample temps. Samples outside of	or 0-C-6-C will be	recorded in	comments.		
_	Container_					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?	-	NA			
	on-VOC samples collected in the correct containers		Yes			
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field Lab						
	field sample labels filled out with the minimum inf	ormation:	V			
	ample ID? ate/Time Collected?		Yes			
	ollectors name?		Yes Yes			
	reservation		103			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	etals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	ase?	No			
	, does the COC specify which phase(s) is to be anal		NA			
		<i>y</i> 200.	INA			
	act Laboratory		3.7			
	amples required to get sent to a subcontract laborate	•	No			
	subcontract laboratory specified by the client and i	ii so wno?	NA S	ubcontract Lab: NA		
Client In	<u>nstruction</u>					

Date

Report to:

Jerrid Brann







5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

IKAV Energy Inc.

Project Name: MUDGE LS 23M

Work Order: E509039

Job Number: 20095-0001

Received: 9/5/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/9/25

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. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 9/9/25

Jerrid Brann

1199 Main Ave. Suite 242 Durango, CO 81301

Project Name: MUDGE LS 23M

Workorder: E509039

Date Received: 9/5/2025 9:53:00AM

Jerrid Brann,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2025 9:53:00AM, under the Project Name: MUDGE LS 23M.

The analytical test results summarized in this report with the Project Name: MUDGE LS 23M 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

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Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

IKAV Energy Inc.	Project Name:	MUDGE LS 23M	Reported:
1199 Main Ave. Suite 242	Project Number:	20095-0001	Keporteu.
Durango CO, 81301	Project Manager:	Jerrid Brann	09/09/25 15:06

Client Sample ID	Lab Sample ID Matrix	Sampled Re	eceived Container	•
SS06 N. SIDEWALL	E509039-01A Soil	09/05/25 09	0/05/25 Glass Jar	r, 4 oz.
SS07 E. SIDEWALL	E509039-02A Soil	09/05/25 09	0/05/25 Glass Jar	r, 4 oz.
SS08 .S. SIDEWALL	E509039-03A Soil	09/05/25 09	0/05/25 Glass Jar	r, 4 oz.
SS09 W. SIDEWALL	E509039-04A Soil	09/05/25 09	0/05/25 Glass Jar	r, 4 oz.
SS10 BASE COMP	F509039-05A Soil	09/05/25 09	0/05/25 Glass Jar	r. 4 oz.



IKAV Energy Inc.	Project Name:	MUDGE LS 23M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	9/9/2025 3:06:07PM

SS06 N. SIDEWALL

Acatem	D14	Reporting			A1 1	N-4
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2536085
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2536085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: HM		Batch: 2537002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
Surrogate: n-Nonane		93.0 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: TP		Batch: 2537015
Chloride	ND	20.0	1	09/08/25	09/08/25	



IKAV Energy Inc.	Project Name:	MUDGE LS 23M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	9/9/2025 3:06:07PM

SS07 E. SIDEWALL

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2536085
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	0.0330	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	0.0330	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2536085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2537002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
Surrogate: n-Nonane		98.0 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: TP		Batch: 2537015
Chloride	35.0	20.0	1	09/08/25	09/08/25	



IKAV Energy Inc.	Project Name:	MUDGE LS 23M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	9/9/2025 3:06:07PM

SS08 .S. SIDEWALL

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2536085
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2536085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2537002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
Surrogate: n-Nonane		99.0 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: TP		Batch: 2537015
Chloride	ND	20.0	1	09/08/25	09/08/25	



IKAV Energy Inc.	Project Name:	MUDGE LS 23M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	9/9/2025 3:06:07PM

SS09 W. SIDEWALL

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2536085
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2536085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	llyst: HM		Batch: 2537002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
Surrogate: n-Nonane		99.5 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: TP		Batch: 2537015
Chloride	ND	20.0	1	09/08/25	09/08/25	

IKAV Energy Inc.	Project Name:	MUDGE LS 23M	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Jerrid Brann	9/9/2025 3:06:07PM

SS10 BASE COMP

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2536085
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		85.2 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2536085
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	llyst: HM		Batch: 2537002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/09/25	
Surrogate: n-Nonane		94.9 %	61-141	09/08/25	09/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: TP		Batch: 2537015
Chloride	ND	20.0	1	09/08/25	09/08/25	



IKAV Energy Inc.	Project Name:	MUDGE LS 23M	Reported:
1199 Main Ave. Suite 242 Durango CO, 81301	Project Number: Project Manager:	20095-0001 Jerrid Brann	9/9/2025 3:06:07PM

Durango CO, 81301		Project Number: Project Manager:		0095-0001 rrid Brann				9/	9/2025 3:06:07PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2536085-BLK1)							Prepared: 0	9/05/25 Anal	yzed: 09/07/25
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	7.41		8.00		92.7	70-130			
LCS (2536085-BS1)							Prepared: 0	9/05/25 Anal	yzed: 09/07/25
Benzene	4.95	0.0250	5.00		98.9	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			
Matrix Spike (2536085-MS1)				Source:	E509038-	02	Prepared: 0	9/05/25 Anal	yzed: 09/07/25
Benzene	5.70	0.0250	5.00	ND	114	70-130			
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130			
Toluene	5.59	0.0250	5.00	ND	112	70-130			
o-Xylene	5.52	0.0250	5.00	0.0433	110	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.5	0.0250	15.0	0.0433	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			
Matrix Spike Dup (2536085-MSD1)				Source:	E509038-	02	Prepared: 0	9/05/25 Anal	yzed: 09/07/25
Benzene	5.15	0.0250	5.00	ND	103	70-130	10.1	27	
Ethylbenzene	4.95	0.0250	5.00	ND	98.9	70-130	9.98	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	9.90	20	
o-Xylene	5.00	0.0250	5.00	0.0433	99.1	70-130	9.93	25	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	70-130	9.58	23	
Total Xylenes	15.0	0.0250	15.0	0.0433	99.4	70-130	9.70	26	



70-130

Surrogate: 4-Bromochlorobenzene-PID

MUDGE LS 23M IKAV Energy Inc. Project Name: Reported: 1199 Main Ave. Suite 242 Project Number: 20095-0001 Durango CO, 81301 Project Manager: Jerrid Brann 9/9/2025 3:06:07PM

Nonhalogenated Or	ganics by	EPA 8015D	- GRO
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Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Lillit	LCVCI	Result	Rec	Limits	KI D	Liiiit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2536085-BLK1)							Prepared: 0	9/05/25 An	alyzed: 09/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			
LCS (2536085-BS2)							Prepared: 0	9/05/25 An	alyzed: 09/07/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	70-130			
Matrix Spike (2536085-MS2)				Source	E509038-	02	Prepared: 0	9/05/25 An	alyzed: 09/07/25
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			
Matrix Spike Dup (2536085-MSD2)				Source: E509038-02 Pre		Prepared: 0	9/05/25 An	alyzed: 09/07/25	
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	1.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			



IKAV Energy Inc.Project Name:MUDGE LS 23MReported:1199 Main Ave. Suite 242Project Number:20095-0001Durango CO, 81301Project Manager:Jerrid Brann9/9/2025 3:06:07PM

Durango CO, 01301									
	Nonha	Analyst: HM							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2537002-BLK1)							Prepared: 0	9/08/25 Anal	yzed: 09/08/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.9	61-141			
LCS (2537002-BS1)							Prepared: 0	9/08/25 Ana	lyzed: 09/08/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
Surrogate: n-Nonane	46.5		50.0		93.0	61-141			
Matrix Spike (2537002-MS1)				Source:	E509039-	-02	Prepared: 0	9/08/25 Anal	yzed: 09/08/25
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			
Matrix Spike Dup (2537002-MSD1)				Source:	E509039-	-02	Prepared: 0	9/08/25 Anal	yzed: 09/08/25
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	56-156	5.02	20	
Surrogate: n-Nonane	47.5		50.0		95.1	61-141			

IKAV Energy Inc. 1199 Main Ave. Suite 242 Durango CO, 81301	Project Name: Project Number: Project Manager:	20095-0001 Jerrid Brann	Reported: 9/9/2025 3:06:07PM
	Anions by 1	EPA 300.0/9056A	Analyst: TP
		pike Source Rec	

1 , 1	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2537015-BLK1)							Prepared: 0	9/08/25 A	analyzed: 09/08/25
Chloride	ND	20.0							
LCS (2537015-BS1)							Prepared: 0	9/08/25 A	Analyzed: 09/08/25
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2537015-MS1)				Source:	E509039-	04	Prepared: 0	9/08/25 A	analyzed: 09/08/25
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2537015-MSD1)				Source:	E509039-	04	Prepared: 0	9/08/25 A	analyzed: 09/08/25
Chloride	263	20.0	250	ND	105	80-120	0.177	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

Γ	IKAV Energy Inc.	Project Name:	MUDGE LS 23M	
l	1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
l	Durango CO, 81301	Project Manager:	Jerrid Brann	09/09/25 15:06

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.



Cha	in	of	Cu	sto	dv

	Page 66	of 79
Page _	of _	<u> </u>

JB

	Clie	nt Inform	ation		4.5	Invoice Information	on				Lal) Us	e On	ly				VI	AT		11.1	State	
Project N Project N	KAV Energy lame: かじり Manager: Jer	rid Brann		m		Company: IKAV Energy Address: 1199 Main Ave Suite City, State, Zip: Durango, CO		_	ab M	vo# 99	039	7	300 10p l	Num 95	ber •00	01	1D 2D 3D Std NM CO U						×
	1199 Main A					Phone: 970-394-0250	ne: 970-394-0250 Analysi							lysis	and	Met	thod				EI	PA Program	
	e, Zip: Dura	ngo, CO 8	<u> 1301 </u>			Email: jerrid.brann@ikavene	rgy.com														SDWA	CWA	RCRA
	70-39-0250 rid.brann@il	/21/020rm	com		-	Miscellaneous:					_											L	
<u>cınanıjer</u>	<u>ııd.brannı@n</u>	Cavenergy	.com				8340, 14 (17			8015	8015						۱ ۵] 99	1		Complian	ce Y c	r N
•	10	.,,		Samı	ole Inform			<u> </u>	-	_ ≦	o P	8021	260	300.	Σ	¥-?	8 Metals	ion P	le 915		PWSID#		
Time Sampled	Date Sampled	Matrix	No. of Containers		-	Sample ID	Field	Lab Numb	er	DRO/ORO	GRO/DRO by	BTEX by 8023	VOC by 8260	Chloride 300.0	BGDOC - NIM	TCEQ 1005 - TX	RCRA 8 A	Cation/Anion	ECMC Table 915-1			Remarks	
8:18	9-5-25	5014	1	5506	P N.	SIDEWALL		1		×	X.	x		X							5.4		
8:23	9-5-25	SOIL	1	5507		SIDEUALL		2		x	x /	x		X							5.2		
	9-5-25		1	350	3 5,	SIDEWALL		3		×	χ	x		X							5.4		
	9-5-25		1	5500	1 W.	SIDEWALL		4		X	χ	λ		X							<u>5.0</u>		
8:40	9-5-25	SOIL	1	5510	BA	tst comp		5	_	X	χ.	<i>χ</i>		X							5.l		
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Addition	al Instruction	ns:																				<u>.</u>	
, (field sam;	oler), attest to the	validity and a	SILAN	f this sample.	I am aware	that tampering with or intentionally mislab	eling the samp	le locatio	n, date	e or ti	me of c	ollect	tion is c	onsid	lered fr	raud a	nd may	be gr	ounds f	for lega	al action.		
Relinquish	ed by: Signatur	e)	Date		rime 9;53			5.25			53				Sample	s requi	ring the	rmal pr	eservati	lon mus	st be received o	n ice the day they out less than 6 °C o	
<u></u>	ed by: (Signatur		Date		lime	Received by: (Signature)	Date			ime					Rece	ived	on ic	:e:	Y)	•	e Only		
Relinquish	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	Date		Ti	ime					<u>T1</u>			_	T2			Т3	
·	ed by: (Signatur		Date		Time	Received by: (Signature)	Date			ime			8.9				mp °C						
ample Mast	rix: S - Soil, Sd - So	lid. Se - Slude	e, A - Aqueo	us. O - Other			Cont	ainer T	vne	e: g - glass, p - poly/plastic, ag - amber glass						SC 1/-	VOA						



envirotech

Envirotech Analytical Laboratory

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:	09/05/25 09:	:53	Work Order ID:	E509039
Phone:	(970) 828-4060	Date Logged In:	09/05/25 10:	40	Logged In By:	Caitlin Mars
Email:	jerrid.brann@ikavenergy.com	Due Date:	09/09/25 07	:00 (2 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Jerrid Brann		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in the conduc	•	Yes		Comment	s/Resolution
Commis T	i.e, 15 minute hold time, are not included in this disucss	ion.			Commen	is/IXCSOIDEON
	<u>urn Around Time (TAT)</u> COC indicate standard TAT, or Expedited TAT?		Yes			
	· •		168			
Sample C	sample cooler received?		Vac			
	was cooler received in good condition?		Yes			
•	-		Yes			
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
13. See C	OC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded in	comments.		
Sample C	<u>Container</u>					
14. Are ac	queous VOC samples present?		No			
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	s?	Yes			
19. Is the a	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field Lab	<u>pel</u>					
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
	ate/Time Collected? ollectors name?		Yes			
	reservation		Yes			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	reserveu.	NA			
	filtration required and/or requested for dissolved m	etals?	No			
		cuis.	110			
	se Sample Matrix	9	2.7			
	the sample have more than one phase, i.e., multipha		No			
	does the COC specify which phase(s) is to be anal	yzed?	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborate	•	No			
29. Was a	subcontract laboratory specified by the client and	if so who?	NA S	ubcontract Lab: NA		
Client In	<u>istruction</u>					

Date

General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 497837

QUESTIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source		
Please answer all the questions in this group.		
Site Name	Mudge LS 023M	
Date Release Discovered	08/14/2025	
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 Tank (Any) Produced Water Released: 13 BBL Recovered: 5 BBL Lost: 8 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.		

General Information Phone: (505) 629-6116

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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, Page 2

Action 497837

QUESTIONS	(continued)
QUESTIONS	(continuea)

Operator.		OGRID.
	SIMCOE LLC	329736
		Action Number:
	Durango, CO 81301	497837
		Action Type:
		[NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

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

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 497837

ACKNOWLEDGMENTS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

V	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.		
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.		
	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.		
	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.		
V	I acknowledge the fact that 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.		
✓	I acknowledge the fact that, 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.		

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 497837

CONDITIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	497837
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By		Condition Date
jbrann	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	0/2025

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 525253

QUESTIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	525253
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2523250454
Incident Name	NAPP2523250454 MUDGE LS 023M @ 30-045-30632
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-30632] MUDGE LS #023M

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Mudge LS 023M
Date Release Discovered	08/14/2025
Surface Owner	Federal

ncident 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 Tank (Any) Produced Water Released: 13 BBL Recovered: 5 BBL Lost: 8 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.	

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.

QUESTIONS, Page 2

Action 525253

Santa Fe, NM 87505		
QUESTI	ONS (continued)	
Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID:	
QUESTIONS	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
Nature and Volume of Release (continued)		
Tatalo una volumo oi riologo (continuos)	T	
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.	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 s	afety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Released free liquids were recovered via vac truck, remaining impacted material is contained within the dig of the BGT.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Jerrid Brann Title: Environmental Coordinator Email: jerrid.brann@machnr.com	

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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, Page 3

Action 525253

QUESTIONS (continued)

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	525253
	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 26 and 50 (ft.)	
What method was used to determine the depth to ground water	OCD Imaging Records Lookup	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 1 and 5 (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 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	ion 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	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained 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 CI B)	35
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)	0.5
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complet nelines for beginning and completing the remediation.	ted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date wi	II the remediation commence	09/03/2025
On what date will (or did) to	he final sampling or liner inspection occur	09/05/2025
On what date will (or was)	the remediation complete(d)	09/05/2025
What is the estimated surfa	ace area (in square feet) that will be reclaimed	0
What is the estimated volu	me (in cubic yards) that will be reclaimed	0
What is the estimated surfa	ace area (in square feet) that will be remediated	150
What is the estimated volu	me (in cubic yards) that will be remediated	10
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 525253

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	SIMCOE LLC	329736
ı	1199 Main Ave., Suite 101	Action Number:
ı	Durango, CO 81301	525253
ı		Action Type:
ı		[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.)		
Yes		
fEEM0112336756 ENVIROTECH LANDFARM #2		
Not answered.		
Not answered.		
Not answered.		
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.

Name: Jerrid Brann
Title: Environmental Coordinator
Email: jerrid.brann@machnr.com
Date: 11/11/2025

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

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

QUESTIONS, Page 5

Action 525253

QUESTIONS (continued)

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	525253
	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 525253

QUESTIONS (continued)

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	525253
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	502127
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	400

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	150	
What was the total volume (cubic yards) remediated	10	
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)	Remediation of the impacted material has been completed, no reclamation occurred as the area is still part of a producing well.	

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: 11/11/2025	
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QUESTIONS, Page 7

Action 525253

QUESTIONS (continued)

Operator:	OGRID:
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1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	525253
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 525253

CONDITIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	525253
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	$^{\prime}$	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2523250454 Mudge LS 023M, thank you. This Remediation Closure Report is approved.	12/4/2025