State of New Mexico
Oil Conservation Division

Incident ID	nMAP1825641927
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	>105 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nMAP1825641927
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Facility ID	
Application ID	

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.

Printed Name: Amber Groves Title: Senior Environmental Specialist

Signature: Amber Groves Date: 12/20/2022

email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 12/22/2022

Form C-141 State of New Mexico
Page 5 Oil Conservation Division

Incident ID	nMAP1825641927
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Amber Groves Title: Senior Environmental Speacialist

Signature: Amber Groves Date: 12/20/2022

email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 12/22/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

Incident ID	nMAP1825641927
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Amber Groves Title: Senior Environmental Specialist

Signature: Amber Groves Date: 12/20/2022

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Jocelyn Harimon Date: 12/22/2022

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

Closure Approved by: Brittany Hall Date: 3/21/2023

Printed Name: Brittany Hall Title: Environmental Specialist

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Closure Report

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: **Closure Report**
Boyd X Battery
Section 16, Township 19 South, Range 25 East
Eddy County, New Mexico
Terracon Project No. KH227002

To Whom It May Concern,

Terracon Consultants, Inc. (Terracon) is pleased to submit our Closure Report for the site referenced above. The Closure Report was developed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning clean-up actions required for releases of crude oil and produced water. Based on the release investigation assessment, Terracon recommends the following actions be taken to achieve protection of fresh water and the environment in accordance with NMOCD regulations. Terracon developed the Closure Report in general accordance with our scope of work (KH227002) dated September 14, 2022. The final Closure notification will be submitted under the Frontier Field Services OGRID number.

Action Items

Completed Actions

1)	During the sampling events, a series of Boreholes were advanced with a hand auger to determine the vertical delineation of the contamination. Horizontal delineation was completed to determine the area (ft^2) of contamination.
2)	Soil samples collected from the delineation were submitted to an approved Lab to determine levels of impact vertically and horizontally.
3)	All conditions needed for approval of closure have been met.
4)	All Maps and associated data for approval have been provided
5)	Conducted an initial site assessment and a series of sampling events.
6)	Excavation of the contaminated area was completed with the intent to remove all contaminated soil as determined by the Closure Criteria set by NMOCD.
7)	All soil stockpiles onsite were placed on plastic and bermed around the edges to reduce loss.
8)	All confirmation samples were collected every 200 sq. ft.
9)	Remedial activities were terminated when a confirmation sample was collected below the NMOCD RAL's for Oil and Gas impacted soils.

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Anticipated Actions

1) Following the approval of the closure report by the NMOCD, all areas of the excavation activities have been backfilled and brought to surrounding grade and reseeded.
2) Approval by the NMOCD

Terracon appreciates this opportunity to provide environmental services to Durango Midstream Services (Durango). Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Travis L. Casey
Senior Staff Scientist
Carlsbad Office

for **Erin Loyd, P.G. (TX)**
Principal
Office Manager – Lubbock

TABLE OF CONTENTS

Attachments:

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Incident Information

The following table provides detailed information regarding the June 29,2018 Natural Gas release site in Eddy County, New Mexico:

Required Information	Site and Release information	
Responsible party	The facility is operated by Frontier Field Services	
Local contact	Contact: Miss Amber Groves	P: (575) 703-7992 E: AGroves@durangomidstream.com
NMOCD Notification	Notice of the release was provided to the NMOCD web portal by Kerry Egan September 18, 2018. Incident number NMAP1825641927 was assigned to the release. This was submitted under Lucid OGRID number. - The final Closure notification will be submitted under the Frontier Field Services OGRID number.	
Time of incident	June 29, 2018, discovered	
Discharge event	The cause of the leak was Corrosion on meter run header which resulted in a pinhole leak releasing gas only, no visible liquids were observed.	
Type of discharge	The documented volume of gas released is unknown but is not suspected to have constituted a major release. There is no evidence to indicate that any liquid was released at the major reporting levels either.	
Quantity of released material	Total Fluids: Gas Volume N/A	Produced Water: N/A Total Petroleum Hydrocarbons:
Immediate corrective actions	Replacement of the corroded meter run header. There were no freestanding liquids to contain or recover. The area impacted by the gas release is secured within the battery's containment berm and fenced off to prevent entrance by the public or wildlife.	

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

General Site Characteristics	
Remedial Determining Information	**Site Ranking Characteristics**
Facility description Site Map – (Exhibit 2 in Appendix A)	Boyd X Battery is in Eddy County, New Mexico. It is an area located within Section 16, Township 19 South, Range 25 East, approximately 22.19 miles Northwest of Carlsbad, New Mexico. The site is predominantly developed well pad.
Site characteristics Topographic Map – (Exhibit 1 in Appendix A)	Flat surface within containment; Surrounding area is also flat with a lite slope to the northeast.
Groundwater Talon LPE Boring Log– (Exhibit 6 in Appendix A)	POD Number: (unknown) Depth to Groundwater: 105 ft. bgs Distance to Well: 275 feet to the northwest Date Drilled: June 30, 2021
	Groundwater Quality: Groundwater quality at the site is unknown, the boring installed by Talon was dry.
Surface Water	Pecos River (South-eastern Eddy County, NM), approximately 7.64 miles to Southwest.
Soil Characteristics	Soils at the site are mapped as Berino-Cacique series soils, 0 to 3 percent slopes, well-drained, 0 to 6 inches loamy fine sand, 6 to 60 inches sandy clay loam. This soil has a surface layer of loamy fine sand. Restrictive features are present at 80 inches bgs resulting in the formation being categorized with a low runoff classification.
Karst Characterization Cave Karst Public UCP Map – (Exhibit 7 in Appendix A)	Terracon evaluated data from the NMOCD Public FTP Site, Karst map designations in reference to the site location. The site appears to be within a Mid-level Karst risk area. Based on on-site observations within the extent of the release margins the potential for Karst formations in this specific area are of low potential. A layer of solid competent rock was encountered from 11 to 21 inches bgs within the release margins. The full extent of release quantities and excavation activities did not extend greater than 60 inches bgs.

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). The NMOCD has issued the *Closure Criteria for Soils Impacted by a Release, June 21, 2018,* and *Restoration, Reclamation, and Re-vegetation (19.15.29.13) NMAC – D (Reclamation of areas no longer in use)* as guidance documents for the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities. Sections detailed below the applicability of these guidance documents to the site-specific characteristics associated with the Boyd X Battery, additionally referenced in Appendix B, Table 1.

Reclamation Levels (Surface to 4 ft. bgs)

The below Reclamation Limits for chlorides, TPH (GRO+DRO+MRO), BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene are defined within New Mexico Administration Code (NMAC) *Restoration, Reclamation, and Re-vegetation* (19.15.29.13) *New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use)* for soils extending to 4 ft. bgs.:

Constituent	Remediation Limits
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Remediation Levels (> 4 ft. bgs)

Based on the site-specific characteristics, the applicable NMOCD remediation levels for Total BTEX, chloride, and TPH within soils, exclusive of the Reclamation Zone (surface to 4 ft. bgs), are as follows:

Constituent	Remediation Limit
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Soil Investigation Discussion

On September 15, 2022, Terracon conducted an initial release investigation and collected 8 soil samples to delineate the extent of the release. During excavation activities an additional 10 confirmation samples were collected on September 28, 2022, November 02, 2022, and December 15, 2022. All samples were analyzed for BTEX, chloride, and/or TPH. A total of 17 samples were collected from within the release margins.

Release Margins Data Evaluation

- **Release Assessment Data Evaluation**

A total of eight soil samples were collected from throughout the release extent. All samples were analyzed for the presence of BTEX, chloride, and/or TPH. None of the eight samples exhibited concentrations of BTEX or TPH constituents above applicable laboratory Sample Detection Levels (SDLs), as summarized in Table 2.

Each of the eight samples collected were analyzed for the presence of chloride. The detected chloride concentrations ranged from 32 mg/kg in soil sample BH01 (5 to 6 ft bgs) to 2,080 mg/kg in soil sample E-SW (surface to 1 ft bgs), as summarized in Table 2.

Confirmation Sampling Data Evaluation

- **Confirmation Assessment Data Evaluation**

A total of ten soil samples were collected from throughout the release extent. All samples were analyzed for the presence of BTEX, Benzene, and/or TPH. None of the nine samples exhibited concentrations of BTEX, Benzene, or TPH constituents above applicable laboratory SDLs, as summarized in Table 2.

Chloride was detected above applicable laboratory SDLs in each of the nine soil samples analyzed within the Reclamation and Remediation Assessment target depths. The chloride concentrations ranged from 16 mg/kg in soil sample E-SW1.1 (surface to 5 ft bgs) to 2,520mg/kg in soil sample FS 1.1 (4 ft bgs to 5 ft bgs). Of the nine soil samples analyzed, the four wall soil samples exhibited chloride concentrations below the applicable NMOCD RALs of 600 mg/kg, and all 3 floor confirmation samples exhibited chloride concentrations below the applicable NMOCD RALs of 20,000 mg/kg as summarized in Table 2.

Release Investigation Data Summary

Based on the review of the above release investigation analytical results, the presence of petroleum hydrocarbon constituents (BTEX/TPH) were not detected at concentrations above applicable NMOCD Reclamation and/or Remediation Action Limits.

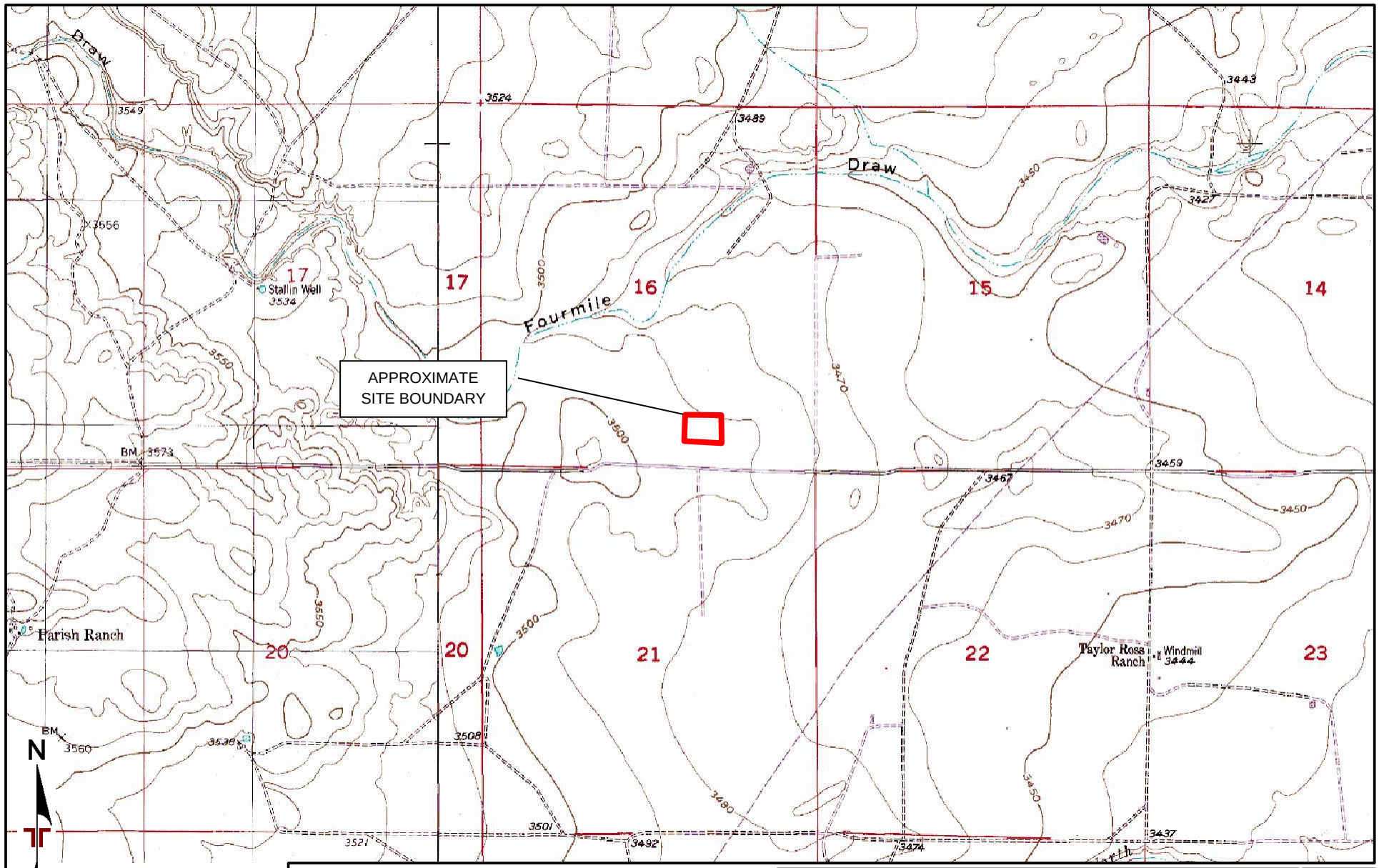
Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Of the 18 soil samples analyzed, 10 soil samples exhibited chloride concentrations above the applicable NMOCD Reclamation Action Limit of 600 mg/kg. None of the soil samples analyzed for chlorides exceeded the NMOCD Remediation Action Limit for samples collected deeper than 4 ft. bgs. and the excavation confirmation samples did not exhibit chloride concentrations above an actionable limit. This closure is being submitted under Frontier Field Services OGRID number considering the purchase of Lucid Energy. Frontier Field Services respectfully requests closure of NMAP1825641927

Frontier Field Services
Boyd X Battery
Section: 16 Township: 19S Range: 25E
NMOCD Reference # NMAP1825641927
Terracon Project # KH227002

Soil Management Plan	
Soil Objectives	**Approach Actions**
General Soil Plan	The best approach for this site was determined to be excavate all impacted materials and dispose of impacted materials at an approved oil and gas waste facility.
Reclamation Response Objectives	The objective of reclamation activities at this site were to remove all impacted materials from surface to 4 ft. below grade surface (bgs) that had chloride concentrations exceeding 600 mg/kg.
Remediation Response Objectives	The objective of remediation activities at this site were to ensure that all soils at depths below 4 ft. bgs. were at a chloride concentration below 20,000 mg/kg.
Soil Management	All impacted soils that were excavated were placed on 20-mil poly liner. The excavated stockpiles had soils bermed around the edges to reduce unintended impacts to native soils.
Depth of Remediation Confirmation Soil Map – (Figure 3 in Appendix A)	The depths of remedial activities at the site were determined by titrating confirmation samples during excavation activities. The sections of the excavation from FS01 through FS03 were completed at 5 ft. bgs., while sections N-SW, E-SW, S-SW, and W-SW were terminated at0 - 5 ft. bgs.
Disposal Facility Waste Manifest – (Appendix E)	All impacted soils were taken to Lea Land Disposal Facility.
Quantity Disposed Waste Manifest – (Appendix E)	A total of 50 cubic yards was excavated and disposed of at the Lealand disposal facility.

APPENDIX A – EXHIBITS



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY QUADRANGLES INCLUDE: PARISH RANCH, NM (1/1/1975) and DAYTON, NM (1/1/1975).

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	Joe Guesnier
Drawn by:	Alisim Worley
Checked by:	JRG
Approved by:	EL

Project No.	KH227002
Scale:	1"=2,000'
File Name:	Topo
Date:	10/17/2022

Terracon

4518 West Pierce Street
Carlsbad, NM 88220

TOPOGRAPHIC MAP

Boyd X Battery
32.655099°, -104.487621°
Eddy County, New Mexico

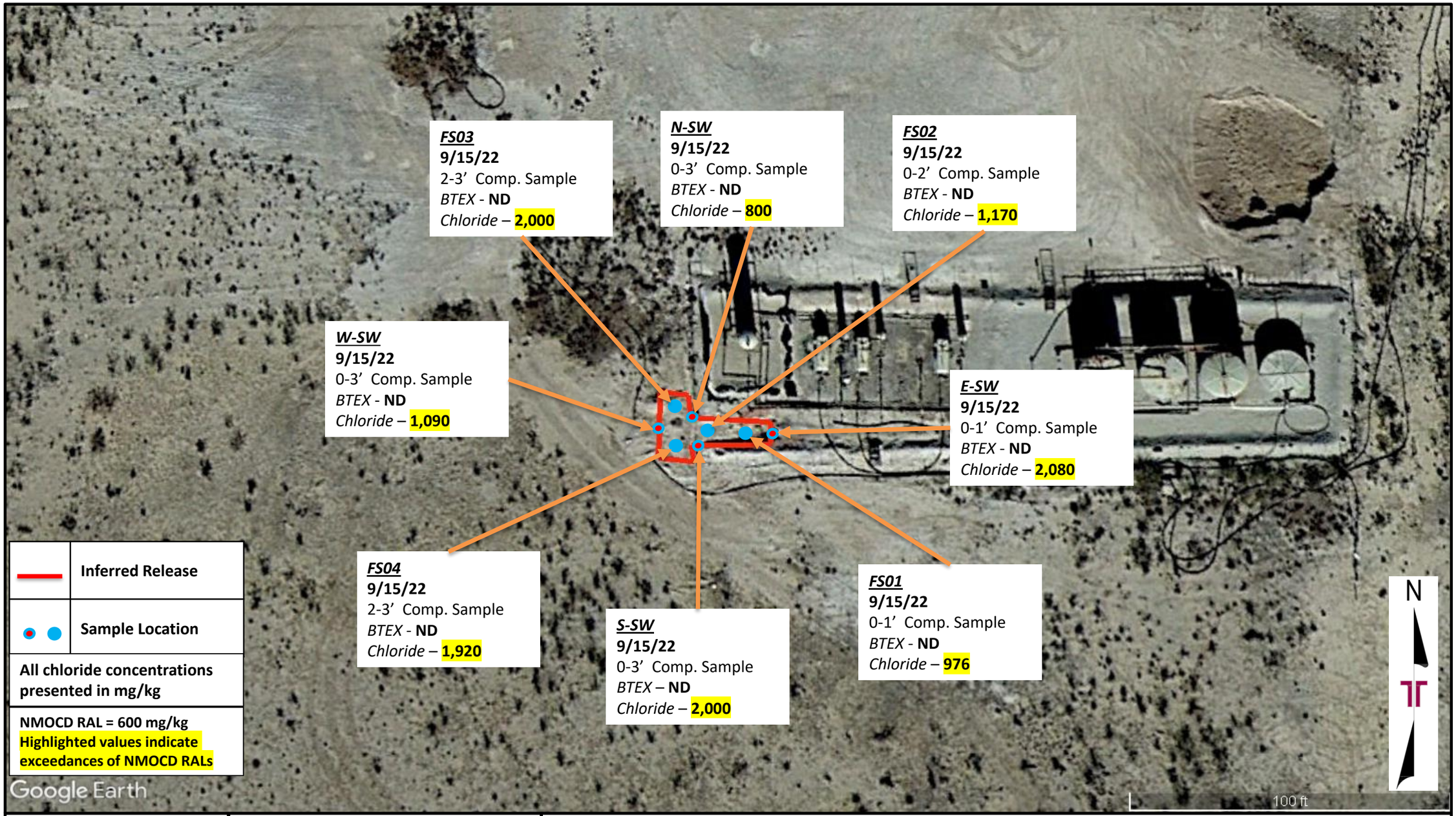
Exhibit 1

Project No.	KH227002
Scale:	As Shown
Source:	Google Earth
Date:	10/2022

Terracon
4518 West Pierce Street Carlsbad, NM 88220
PH. (575) 689-4020 FAX. (806) 797 0947

Exhibit 2 – Site Map

Boyd x Battery
32.655099°, -104.487621°
Eddy County, New Mexico

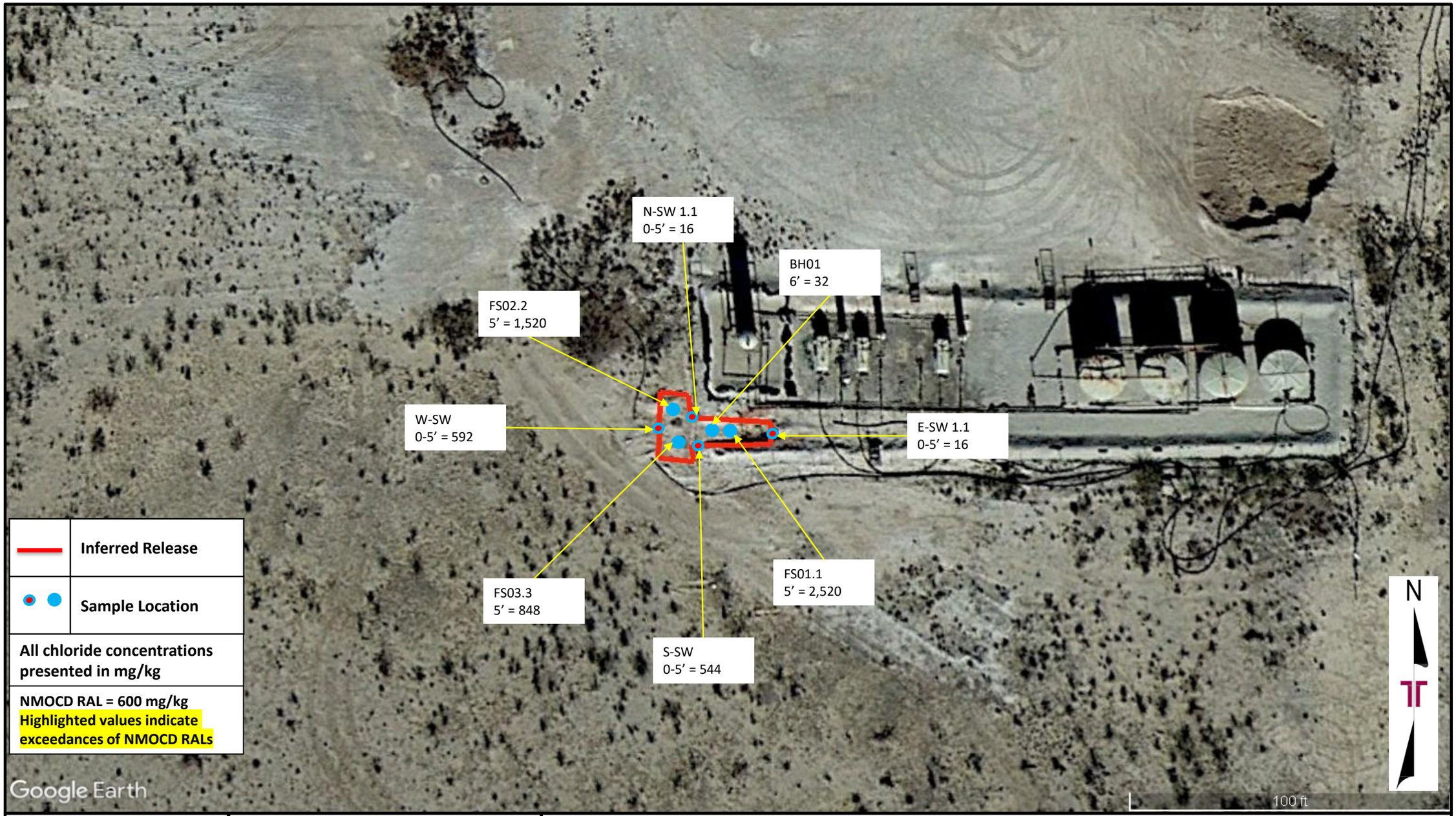


Project No.	KH227002
Scale:	As Shown
Source:	Google Earth
Date:	10/2022

Terracon
4518 West Pierce Street Carlsbad, NM 88220
PH. (575) 689-4020 FAX. (806) 797 0947

Exhibit 3 – Initial Site Investigation Map

Boyd x Battery
32.655099°, -104.487621°
Eddy County, New Mexico



Project No.	KH227002
Scale:	As Shown
Source:	Google Earth
Date:	10/2022

Terracon
4518 West Pierce Street Carlsbad, NM 88220
PH. (575) 689-4020 FAX. (806) 797 0947

Exhibit 4 – Confirmation Soil Sampling Map

Boyd x Battery
32.655099°, -104.487621°
Eddy County, New Mexico

BORING LOG

Project No.: 700438.244.01
Site Name: Boyd X State 10 Battery
Location: Eddy County, New Mexico
Date: 6/30/2021
Boring Number: B-1

Weather: Clear, Temp.: 75ºF
Logger: M. Collier
Field Instrument: NA
Latitude: 32.655864 N
Longitude: -104.487850 W

Driller: J. Michalsky
Rig Type: Sonic Drill
Bit Size: 6”
Drilling Method: Vibratory Rotary
Sample Retrieval Method: Core Barrel

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
	☐	0-10’				Light gray, slightly clayey fine sand and cobbles	None Slight Mod. Strong	
	☐	10-30’				Light gray to white, calcareous, silty sand and caliche	None Slight Mod. Strong	
	☐	30-40’				Dry, light red/brown, hi-plasticity Clay (CH)	None Slight Mod. Strong	
	☐	40-50’				Light gray limestone w/varying amounts of slightly sandy clay	None Slight Mod. Strong	
	☐	50-60’				Red/brown, hi-plasticity Clay (CH)	None Slight Mod. Strong	
	☐	60-70’				Tan, hi-plasticity Clay (CH)	None Slight Mod. Strong	
	☐	70-80’				Dark red/brown, hi-plasticity Clay (CH)	None Slight Mod. Strong	
	☐	80-90’				Dry, dark red/brown, low-plasticity Clay (CL)	None Slight Mod. Strong	
	☐	90-105’				Moist, light red/brown to red/brown hi-plasticity Clay (CH) w/white fragmented limestone	None Slight Mod. Strong	
	☐					__TD 105’__	None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	

Surface Elevation: _____

Notes: Groundwater Encountered @ 61’ BGS – 72 hr.

Logger Initials: MC

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	**Sample Material/Comments** Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
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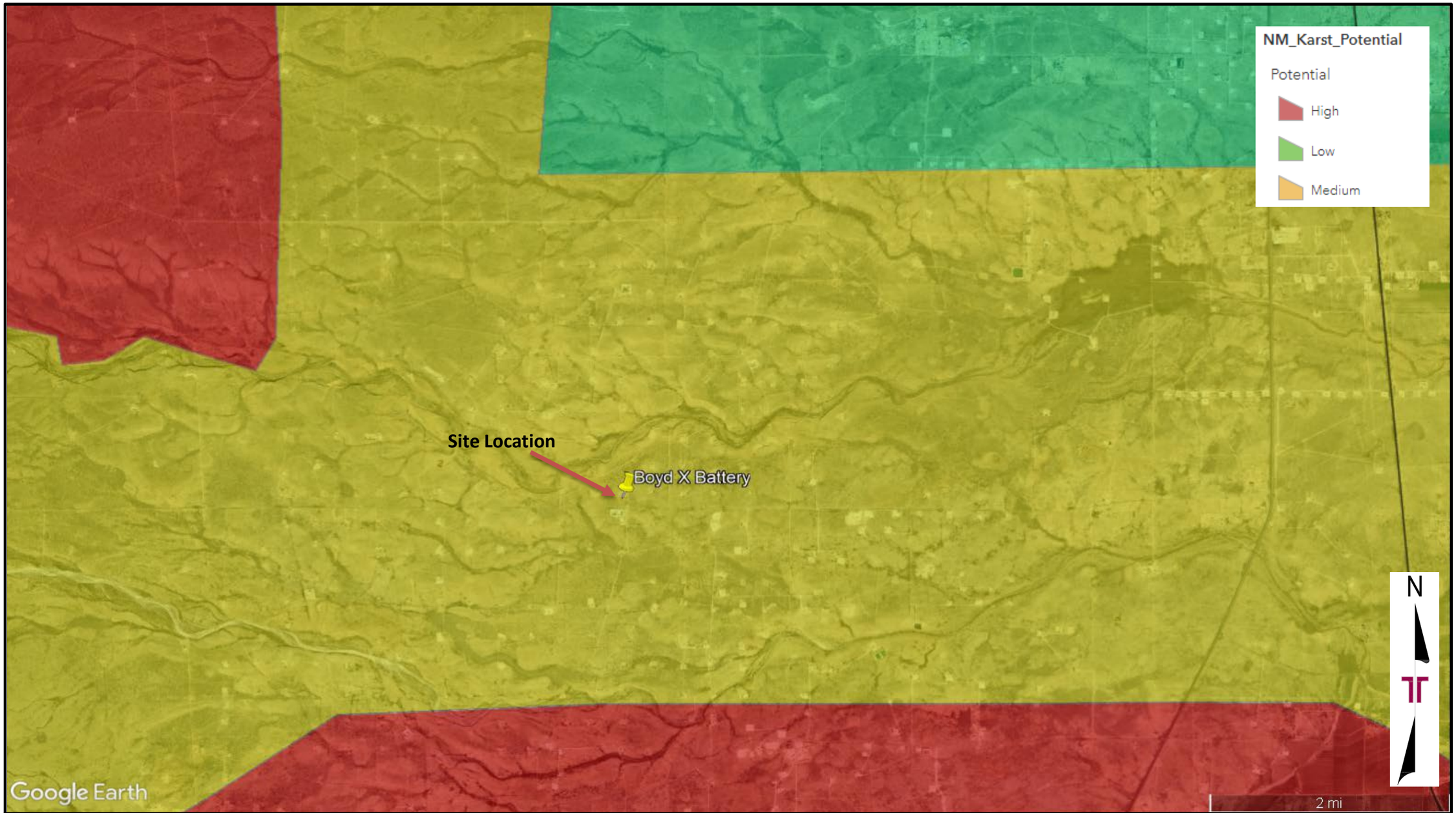
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	
	☐						None Slight Mod. Strong	

Notes:
The borehole was advanced to 105' below ground surface (bgs). A 2-inch diameter temporary well constructed of schedule 40 PVC thread coupled to 10-feet of machine slotted well screen was installed into the drill casing. 72-hours after installation, a Solinest water level meter was utilized to determine the presence or absence of groundwater.



Project No.	KH227002
Scale:	As Shown
Source:	Google Earth
Date:	12/29/2019

Terracon
4518 West Pierce Street Carlsbad, NM 88220
PH. (575) 689-4020 FAX. (806) 797 0947

Exhibit 6 - Cave Karst Public UCP Map

Boyd X Battery
32.655099°, -104.487621°
Eddy County, New Mexico

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NMAP1825641927
District RP	2RP-4970
Facility ID	fMAP1825641074
Application ID	pMAP1825641619

Release Notification

Responsible Party

Responsible Party: Lucid Energy Group (DBA: Agave Energy)	OGRID: 147831
Contact Name: Kerry Egan	Contact Telephone: 575-810-6021
Contact email: Kegan@lucid-energy.com	Incident # *(assigned by OCD)*
Contact mailing address: 201 South Fourth Street Artesia, NM 88210	

Location of Release Source

Latitude 32.655099° Longitude -104.487621°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Boyd X Battery	Site Type: Tank Battery (Gathering pipeline at a Tank Battery)
Date Release Discovered: 6-29-2018	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	16	19S	25E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☒ Natural Gas	Volume Released (Mcf): Unknown	Volume Recovered (Mcf): N/A
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Corrosion on meter run header resulted in a pinhole leak.		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NMAP1825641927
District RP	2RP-4970
Facility ID	fMAP1825641074
Application ID	pMAP1825641619

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? The total volume of gas released is unknown, but is not suspected to have constituted a major release. There is no evidence to indicate that any liquid was released at major reporting levels either.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
There were no freestanding liquids to contain or recover. The area impacted by the gas release is secured within the battery's containment berm, and fenced off to prevent entrance by the public or wildlife.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.

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.

Printed Name: Kerry Egan
Title: Environmental Compliance Manager

Signature: Kerry Egan
Date: 9/11/2018

email: Kegan@lucid-energy.com
Telephone: 575-810-6021

OCD Only

Received by:
Date: 09/13/18

APPENDIX B – TABLES, PROCEDURES, AND FIGURES

Table 1			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/L TDS	**Constituent**	**Method***	**Limit****
≤50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015 M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet – 100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015 M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015 M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015 M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015 M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

**Or other methods approved by the division*

***Numerical limits or natural background level, whichever is greater*

****This applies to releases of produced water or other fluids, which may contain chloride*

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - BTEX[1], Chloride[2], and TPH[3]
Boyd X Battery
Terracon Project No. KH227002

Sample I.D.	Sample Depth (ft. bgs)	Soil Status	Sample Type	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
							GRO	DRO	EXT DRO
Initial Release Margin Samples (Off Pad)									
E-SW	0-1'	Excavated	Comp	09/15/22	<SLDs	**2,080**	<10.0	<10.0	<10.0
W-SW	0-3'	Excavated	Comp	09/15/22	<SLDs	**1,090**	<10.0	<10.0	<10.0
N-SW	0-3'	Excavated	Comp	09/15/22	<SLDs	**800**	<10.0	<10.0	<10.0
S-SW	0-3'	Excavated	Comp	09/15/22	<SLDs	**2,000**	<10.0	<10.0	<10.0
FS01	0-1'	Excavated	Comp	09/15/22	<SLDs	**976**	<10.0	31.5	<10.0
FS02	0-2'	Excavated	Comp	09/15/22	<SLDs	**1,170**	<10.0	29.7	<10.0
FS03	2-3'	Excavated	Comp	09/15/22	<SLDs	**2,000**	<10.0	<10.0	<10.0
FS04	2-3'	Excavated	Comp	09/15/22	<SLDs	**1,920**	<10.0	<10.0	<10.0
NMOCD Reclamation Standards[4] (Applicable for Soils from the Surface to 4 ft. Below Grade Surface)					**Benzene - 10** **Toluene - N/A** **Ethylbenzene - N/A** **Total Xylenes - N/A** **Total BTEX - 50**	**600**	**100**		
NMOCD Remediation and Delineation Standards[5] (Applicable for Soils at Depths Greater than 4 ft. Below Grade Surface)					**Benzene - 10** **Toluene - N/A** **Ethylbenzene - N/A** **Total Xylenes - N/A** **Total BTEX - 50**	**20,000**	**2,500**		

1. BTEX = Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8021B

2. Chloride = Chloride analyzed by EPA Method 300.

3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)

4. New Mexico Administration Code (NMAC) Restoration, Reclamation, and Re-vegetation (19.15.29.13) New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use) for soils extending to 4 ft. bgs

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards are proposed in 19.15.29.12 NMAC - N, 8/14/2018

< = Constituent not detected above the indicated laboratory SDL

NA = Not Analyzed

N/A = Not Applicable

Bold and Highlight denotes concentrations that exceed the New Mexico Oil Conservation Division (NMOCD) Reclamation and/or Remediation and Delineation Standards.

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - BTEX[1], Chloride[2], and TPH[3]
Boyd X Battery
Terracon Project No. KH227002

Sample I.D.	Sample Depth (ft. bgs)	Soil Status	Sample Type	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
							GRO	DRO	EXT DRO
Confrimation Samples (Off Pad)									
E-SW	0-5'	Excavated	Comp	09/28/22	<SLDs	**736**	<10.0	<10.0	<10.0
E-SW1.1	0-5'	In-Situ	Comp	11/02/22	<SLDs	16	<10.0	<10.0	<10.0
W-SW	0-5'	In-Situ	Comp	09/28/22	<SLDs	592	<10.0	<10.0	<10.0
N-SW	0-5'	Excavated	Comp	09/28/22	<SLDs	**1,040**	<10.0	<10.0	<10.0
N-SW1.1	0-5'	In-Situ	Comp	10/14/22	<SLDs	144	<10.0	<10.0	<10.0
S-SW	0-5'	In-Situ	Comp	09/28/22	<SLDs	544	<10.0	<10.0	<10.0
FS1.1	5'	In-Situ	Comp	09/28/22	<SLDs	2,520	<10.0	<10.0	<10.0
FS2.2	5'	In-Situ	Comp	09/28/22	<SLDs	1,520	<10.0	<10.0	<10.0
FS3.3	5'	In-Situ	Comp	09/28/22	<SLDs	848	<10.0	<10.0	<10.0
BH 01	6'	In-Situ	Comp	12/15/22	<SLDs	32	<10.0	<10.0	<10.0
NMOCD Reclamation Standards[4] **(Applicable for Soils from the Surface to 4 ft. Below Grade Surface)**					**Benzene - 10** **Toluene - N/A** **Ethylbenzene - N/A** **Total Xylenes - N/A** **Total BTEX - 50**	**600**	**100**		
NMOCD Remediation and Delineation Standards[5] **(Applicable for Soils at Depths Greater than 4 ft. Below Grade Surface)**					**Benzene - 10** **Toluene - N/A** **Ethylbenzene - N/A** **Total Xylenes - N/A** **Total BTEX - 50**	**20,000**	**2,500**		

1. BTEX = Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8021B

2. Chloride = Chloride analyzed by EPA Method 300.

3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)

4. New Mexico Administration Code (NMAC) Restoration, Reclamation, and Re-vegetation (19.15.29.13) New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use) for soils extending to 4 ft. bgs

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards are proposed in 19.15.29.12 NMAC - N, 8/14/2018

< = Constituent not detected above the indicated laboratory SDL

NA = Not Analyzed

N/A = Not Applicable

Bold and Highlight denotes concentrations that exceed the New Mexico Oil Conservation Division (NMOCD) Reclamation and/or Remediation and Delineation Standards.

APPENDIX C – PHOTOGRAPHIC LOG

PHOTO 1: View of area prior to Excavation from the North

PHOTO 2: View of Excavation from the West

PHOTO 3: View of Excavation from the Northwest looking Southeast

PHOTO 4: View of Excavation from the East looking West

APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY

CARDINAL Laboratories

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

September 20, 2022

MIKE ADAMS

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: BOYD X BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/15/22 8:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: FS 01 0-1' (H224266-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/17/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/17/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/17/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**976**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	191	95.6	200	5.29	
DRO >C10-C28*	**31.5**	10.0	09/16/2022	ND	183	91.4	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *96.2 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *116 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: FS 02 0-2' (H224266-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/17/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/17/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/17/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1170**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	191	95.6	200	5.29	
DRO >C10-C28*	**29.7**	10.0	09/16/2022	ND	183	91.4	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *87.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *104 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: FS 03 2-3' (H224266-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/17/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/17/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/17/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2000**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	191	95.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	183	91.4	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *88.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: FS 04 2-3' (H224266-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/17/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/17/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/17/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1920**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	191	95.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	183	91.4	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *87.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *99.3 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: E - SW 0-1' (H224266-05)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/17/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/17/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/17/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2080**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	191	95.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	183	91.4	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *87.2 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *99.2 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: N - SW 0-3' (H224266-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/17/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/17/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/17/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	191	95.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	183	91.4	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *78.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *88.1 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: S - SW 0-3' (H224266-07)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/18/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2000**	16.0	09/16/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.8	200	25.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	178	88.8	200	24.9	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *80.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *85.8 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
MIKE ADAMS
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/15/2022	Sampling Date:	09/14/2022
Reported:	09/20/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W - SW 0-3' (H224266-08)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2022	ND	1.72	86.1	2.00	8.21	
Toluene*	<0.050	0.050	09/18/2022	ND	1.74	86.8	2.00	8.05	
Ethylbenzene*	<0.050	0.050	09/18/2022	ND	1.67	83.4	2.00	6.96	
Total Xylenes*	<0.150	0.150	09/18/2022	ND	5.23	87.2	6.00	6.14	
Total BTEX	<0.300	0.300	09/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1090**	16.0	09/16/2022	ND	400	100	400	3.92	QM-07

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2022	ND	178	88.8	200	25.7	
DRO >C10-C28*	<10.0	10.0	09/16/2022	ND	178	88.8	200	24.9	
EXT DRO >C28-C36	<10.0	10.0	09/16/2022	ND					

Surrogate: 1-Chlorooctane *78.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *81.0 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTOCY RECORD

H224266

Page ___ of ___

Terracon

Laboratory:
Address:
Phone: (806)507-7057
Contact:
SRS #:
Sampler's Signature

Office Location: 4514 W. Pierce St Carlsbad NM, 88220
Project Manager: Mike Adams
Sampler's Name: Travis Casey

Project Number: KH227002
Project Name: Boyd X Battery

LAB USE ONLY DUE DATE:
TEMP OF COOLER WHEN RECEIVED (°C): -0.7° C -0.6° C -1.3° C #113 T

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	No. Type of Containers: 4 oz Glass	2 oz Glass	250 ml Poly	ANALYSIS REQUEST: Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Lab Sample ID
S	9-14	1035			FS01	0	1	1			X	X	X	
		1055			FS02	0	2	1						
		1115			FS03	2	3	1						
		1145			FS04	2	3	1						
		1150			E-SW	0	1	1						
		1153			N-SW	0	2	1						
		1155			S-SW	0	3	1						
		1200			W-SW	0	3	1						

TURNAROUND TIME: ☑ Normal ☐ 48-Hour Rush ☐ 24-Hour Rush

TRRP Laboratory Review Checklist ☐ Yes ☐ No

Bill To:

Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date: 9-15-22	Time: 0812
Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:

e-mail results to:
joseph.guesnier@terraconc.om
travis.casey@terracon.com
mike.adams@terracon.com

Matrix: WW-Wastewater W - Water S - Soil L - Liq A - Air Bag C - Charcoal tube SL - Sludge
Container: VOA - 40 ml vial A/G - Amber Gla 250 ml = Glass wide P/O - Plastic or other _____

CARDINAL Laboratories

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

October 19, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: BOYD X BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/14/22 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	10/14/2022	Sampling Date:	10/13/2022
Reported:	10/19/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO 32.655081, -104.487643		

Sample ID: N-SW 1.1 (H224859-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.818	
Toluene*	<0.050	0.050	10/18/2022	ND	2.05	103	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.96	97.8	2.00	0.834	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.91	98.6	6.00	0.968	
Total BTEX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	10/18/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2022	ND	197	98.7	200	2.71	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	196	98.2	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane *87.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *100 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon	**BILL TO**
Project Manager: Joseph Guesnier	**P.O. #:**
Address: 4518 W. Perice Street	**Company:** Durango
City: Carlsbad **State:** NM **Zip:** 88220	**Attn:**
Phone #: 8065077057 **Fax #:**	**Address:**
Project #: KH227002 **Project Owner:** Durango Midstream	**City:**
Project Name: Boyd X Battery	**State:** **Zip:**
Project Location: 32.655081,-104.487643	**Phone #:**
Sampler Name: Travis Casey	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride (EPA Method4500)	TPH Extended 8015	BTEX (EPA Method 8021B)
H224859																	
1	N-SW1.1	C	1			X					X		10-13	0954	X	X	X

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

Relinquished By:	**Date:** 10-14-22 **Time:** 15:16	**Received By:**	
Relinquished By:	**Date:** 10-14-22 **Time:** 15:50	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.8 Corrected Temp. °C 3.2	**Sample Condition** Cool: Yes / No Intact: Yes / No	**CHECKED BY: (Initials)**

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**
All Results are emailed. Please provide Email address:

REMARKS: joesph.guesnier@terracon.com; travis.casey@terracon.com; austin.worley@terracon.com; michael.adams@terracon.com

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C TO 10/14/22

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

October 03, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: BOYD X BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/28/22 13:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: E - SW (H224514-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**736**	16.0	09/29/2022	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *96.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *110 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: W - SW (H224514-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	09/29/2022	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *104 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *119 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: N - SW (H224514-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	09/30/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *94.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *106 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: S - SW (H224514-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	09/30/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *92.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *105 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: FS 1.1 (H224514-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2520**	16.0	09/30/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *89.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *101 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: FS 2.2 (H224514-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1520**	16.0	09/30/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *93.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *105 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO		

Sample ID: FS 3.3 (H224514-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	2.24	112	2.00	0.107	
Toluene*	<0.050	0.050	10/01/2022	ND	2.17	109	2.00	0.112	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	2.14	107	2.00	1.33	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	6.55	109	6.00	2.79	
Total BTEX	<0.300	0.300	10/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**848**	16.0	09/30/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2022	ND	203	102	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	208	104	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane *98.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *109 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Terracon
Project Manager:	Joseph Guesnier
Address:	4518 W. Pierce St
City:	Carlsbad State: NM Zip: 88220
Phone #:	595) 689-5949 Fax #:
Project #:	KH227002 Project Owner: Durango
Project Name:	Boyd & Battery
Project Location:	
Sampler Name:	Travis Cusey

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH 8015	BTEX 8021B
H224514-1	E-SW	C				X					X		9.28	1118	X	X	X
2	W-SW	C												1120			
3	N-SW	C												1122			
4	S-SW	C												1124			
5	FS1.1	C												1126			
6	FS2.2	C												1128			
7	FS3.3	C												1130			

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

Relinquished By:	Date: 9.28	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1347		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.2	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) TO	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.6			Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☒ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

November 03, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: BOYD X BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/02/22 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/02/2022	Sampling Date:	11/02/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO 32.655081, -104.487643		

Sample ID: E-SW 1.1 (H225166-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.82	91.1	2.00	0.221	
Toluene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	0.371	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.07	103	2.00	0.629	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.30	105	6.00	1.09	
Total BTEX	<0.300	0.300	11/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *85.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	11/03/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	196	97.9	200	0.950	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	184	92.0	200	0.902	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					

Surrogate: 1-Chlorooctane *89.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *96.5 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

December 16, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: BOYD X BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TERRACON CONSULTANTS
JOSEPH GUESNIER
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	BOYD X BATTERY	Sampling Condition:	Cool & Intact
Project Number:	KH227002	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO 32.655081, -104.487643		

Sample ID: BH 01 5' (H225934-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38	
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/16/2022	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane *68.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *73.9 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD

H225934

Terracon

Laboratory:
Address: Cardinal Lab Hobbs, NM

Office Location: Carlsbad, NM
Phone:
Project Manager: Joseph Guesnier
Contact:
Sampler's Name: Austin Worley
Sampler's Signature: Austin Worley

Project Number: KH227002
Project Name: Boyd X Battery

ANALYSIS REQUESTED

LAB USE ONLY
DUE DATE:
TEMP OF COOLER WHEN RECEIVED (°C): 3.5; C-016c 2.9; #113

Page 1 of 1

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth (FT)	End Depth (FT)	No. Type of Containers: 4oz Glass	Chloride (EPA 4500)	TPH Extended 8015	BTEX (EPA 8021B)	Lab Sample ID
S	12-15-22	11:30		X	BH01 5'		5	1	X	X	X	

NFE

TURNAROUND TIME: ☐ Normal ☐ 48-Hour Rush ☒ 24-Hour Rush

TRRP Laboratory Review Checklist: ☐ Yes ☐ No

Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:
Austin Worley	12-15-22	15:13	S.Rodriguez	12/15/22	1517

Bill To: Terracon Joseph Guesnier

e-mail results to:
austin.worley@terracon.com
joesph.guesnier@terracon.com
travis.casey@terracon.com
michael.adams@terracon.com

Matrix: WW-Wastewater; W - Water; S - Soil; L - Liquid; A - Air Bag; C - Charcoal tube; SL - Sludge
Container: VOA - 40 ml vial; A/G - Amber Glass 1L; 250 ml = Glass wide mouth; P/O - Plastic or other Wipe

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 169619

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 169619
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	3/21/2023