Incident Number: nAPP2431945579



Incident Closure

James Ranch Unit DI 11

Section 17, Township 22 South, Range 30 East

Facility: fAPP2123053374

County: Eddy

Latitude & Longitude: 32.39061, -103.89861

Vertex File Number: 24E-04947

Prepared for:

XTO Energy, Inc.

Prepared by:

Vertex Resource Services Inc.

Date:

January 2025

Incident Closure January 2025

Incident Closure

James Ranch Unit DI 11

Section 17, Township 22 South, Range 30 East Latitude & Longitude: 32.39061, -103.89861

Facility: fAPP2123053374 County: Eddy County, NM

Prepared for:

XTO Energy, Inc.

3104 E. Greene Steet. Carlsbad, NM 88220

New Mexico Oil Conservation Division

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Prepared by:

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SR. PROJECT MANAGER, REPORT REVIEW

Date

2/11/2025

Incident Closure January 2025

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January 2025

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Incident Closure
January 2025

1.0 Introduction

XTO Energy Inc. (XTO) retained Vertex Resource Services Inc. (Vertex) to conduct an Incident Closure for a produced water release that occurred on November 13, 2024, at James Ranch Unit DI 11 facility ID fAPP2123053374 (hereafter referred to as the "site"). XTO submitted an initial C-141 Release Notification to New Mexico Oil Conservation Division (NMOCD) on November 14, 2024. Incident ID number nAPP2431945579 was assigned to this incident.

This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of this release, with the understanding that reclamation of the release on this site will be completed when all oil and gas activities are terminated, and the pad is reclaimed per NMAC 19.15.29.13.

2.0 Incident Description

The release occurred on November 13, 2024, due to equipment failure. The incident was reported on November 14, 2024, and involved the release of approximately 55 barrels (bbl.) of produced water on the site. Approximately 15 bbl. of free fluid was removed during initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 20 miles east of Carlsbad, New Mexico (google 2025). The legal location for the site is Section 17, Township 22 South and Range 30 East in Eddy County, New Mexico. The release area is located on pad within State property. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area at the site on or in proximity to the constructed pad (Figure 1).

The surrounding landscape is associated with upland landforms with elevations ranging between 2,842 and 5,000 feet. The climate is semiarid with average annual precipitation ranging between 8 and 13 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses with scattered shrubs and half-shrubs. (United States Department of Agriculture, Natural Resources Conservation Service, 2024). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

The surface geology at the site primarily comprises Pr –Rustler Formation (Upper Permian) — Siltstone, gypsum, sandstone, and dolomite. (New Mexico Bureau of Geology and Mineral Resources, 2024) and the soil at the site is characterized as loam, clay loam, gypsiferous material. (United States Department of Agriculture, Natural Resources Conservation Service, 2024). Additional soil characteristics include a drainage class of well drained with a very high runoff class. The karst geology potential for the site is high (United States Department of the Interior, Bureau of Land Management, 2018).

Incident Closure
January 2025

4.0 Closure Criteria Determination

The nearest active well to the site is C 03679 located approximately 1.72 miles south of the location (New Mexico Office of the State Engineer 2024).

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is the located approximately 0.21 miles east of the site (United States Fish and Wildlife Service, 2024).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Closure criteria research is included in Appendix A.

Incident Closure January 2025

| | osure Criteria Determination | | _ | | |
|-----------|---|--|-----------------------------------|--|--|
| | :: James Ranch Unit DI 11 Battery | | | | |
| | oordinates: 32.391050,-103.898815 | X: 603572 | Y: 3584315 | | |
| | fic Conditions | Value | Unit | | |
| Reference | Depth to Groundwater (nearest reference) | 500 ft< | | | |
| 1 | Distance between release and nearest DTGW reference | 1 - | 5 mi | | |
| | Date of nearest DTGW reference measurement | October | 29, 2013 | | |
| 2 | Within 300 feet of any continuously flowing watercourse or any other significant watercourse | 1000ft | - 2000ft | | |
| 3 | Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark) | 0.5 - | · 1 mi | | |
| 4 | Within 300 feet from an occupied residence, school, hospital, institution or church | 1 - | 5 mi | | |
| 5 | i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or | 1 - | 5 mi | | |
| | ii) Within 1000 feet of any fresh water well or spring | 1 - | 5 mi | | |
| 6 | Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves | No | (Y/N) | | |
| 7 | Within 300 feet of a wetland | 2000ft | - 0.5mi | | |
| | Within the area overlying a subsurface mine | No | (Y/N) | | |
| 8 | Distance between release and nearest registered mine | 1 - 5 mi | | | |
| 9 | Within an unstable area (Karst Map) | High | Critical High Medium Low | | |
| | Distance between release and nearest unstable area | Zero Feet - Overlying - or Within Area | | | |
| | Within a 100-year Floodplain | >500 | year | | |
| 10 | Distance between release and nearest FEMA Zone A (100-year Floodplain) | | 5 mi | | |
| 11 | Soil Type | - | m, gypsiferous | | |
| 12 | Ecological Classification | | amy | | |
| 13 | Geology | Siltstone, gypsum, sandstone, and dolomite | | | |
| | NMAC 19.15.29.12 E (Table 1) Closure Criteria | <50' | <50' 51-100' >100' | | |

Incident Closure January 2025

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

| Table 2. Closure Criteria for Soils Impacto | ed by a Release | |
|--|-----------------------|-----------|
| Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS | Constituent | Limit |
| | Chloride - Horizontal | 600 mg/kg |
| | Chloride - Vertical | 600 mg/kg |
| < 50 feet | TPH (GRO+DRO+MRO) | 100 mg/kg |
| | BTEX | 50 mg/kg |
| | Benzene | 10 mg/kg |

TDS - total dissolved solides

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

5.0 Remedial Actions Taken

An initial site inspection of the release area was completed on November 13, 2024, which identified the area of the release specified in the initial C-141 Report. The area of interest was determined to be approximately 11,098 square feet. Characterization sampling was completed on November 26, 2024, at 14 sample locations. Results are summarized in Table 3. The Daily Field Report (DFR) associated with the site inspection is included in Appendix B.

Remediation efforts began on January 13, 2025, and were finalized on January 20, 2025. Vertex personnel guided the excavation of impacted soil through field screening. Soils were removed to a depth of 3 to 4 feet below ground surface. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. The final DFR documenting final excavation before the remediation is presented in Appendix B.

Notification that confirmatory samples were being collected was provided to the NMOCD, and a variance request was requested due to high wind shut down by XTO and was granted by NMOCD. The variance approval is included in Appendix D. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 51 base samples and 19 sidewall samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Cardinal Laboratories in Hobbs, New Mexico under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 3, and the laboratory data reports are included in Appendix C. All confirmatory samples collected and analyzed were below closure criteria for the site.

Incident Closure
January 2025

6.0 Oil Conservation Division Rejection and Corrective Actions Taken

On February 6, 2025, NMOCD rejected closure report due to being unable to determine if the correct amount of side wall samples were collected as there are discrepancies on the depths of the excavations in the report. Reviewing the report with the regulator, it was determined that the Change of Custody (CoC) was filled out in error with incorrect depth assigned to sample points. Samples BES25-28 through BES-51 and WES25-11 through WES25-19 were labeled Incorrectly. Samples depths adjusted to depict the correct depth of sampling and an edited CoC was sent to cardinal to regenerate the report. The corrected CoC can be found in Appendix C.

7.0 Closure

The release area was fully delineated, remediated, and backfilled with local soil by January 24, 2025. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release at this site. Based on these findings, XTO requests that this release be closed.

Should you have any questions or concerns, please do not hesitate to contact Chad Hensley at 575.200.6167 or chensley@vertexresource.com

Incident Closure
January 2025

8.0 References

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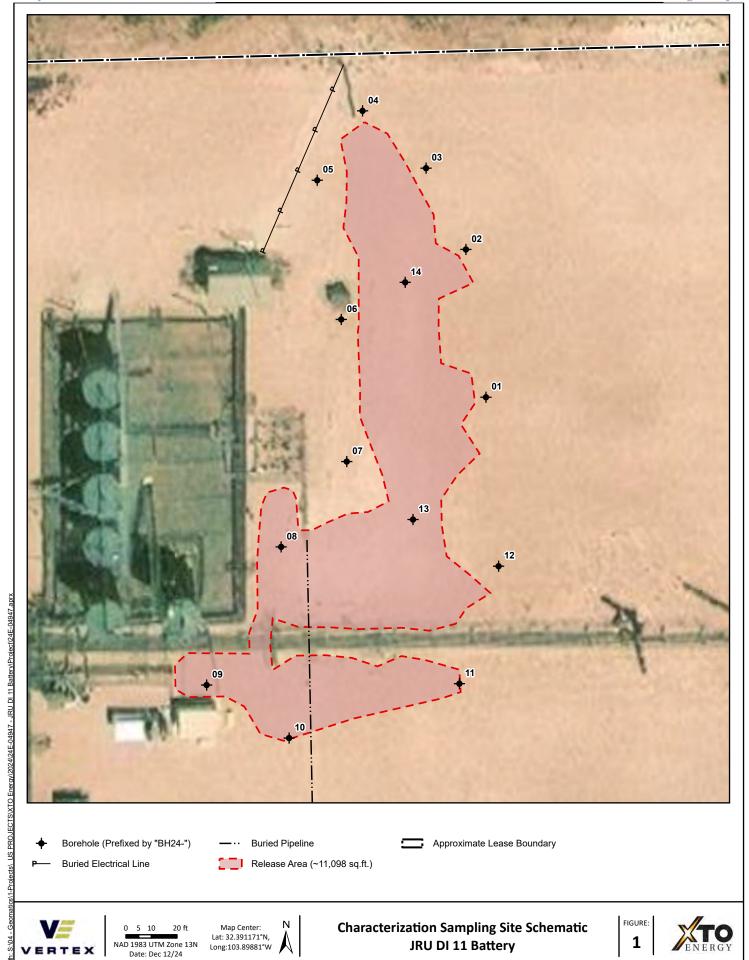
Incident Closure
January 2025

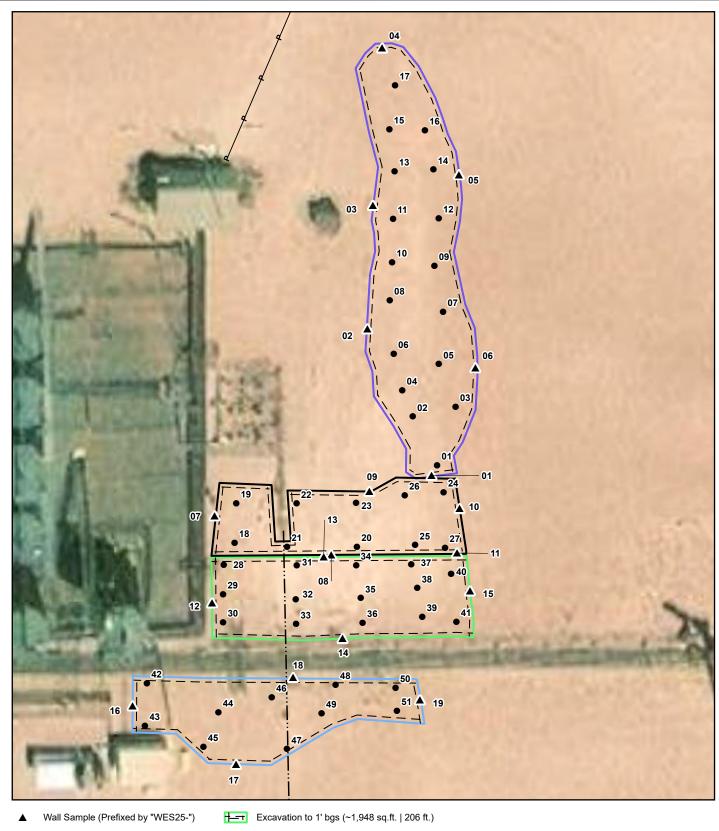
9.0 Limitations

This report has been prepared for the sole benefit of XTO Energy, INC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the State Land Office, without the express written consent of Vertex Resource Services Inc. (Vertex) and XTO Energy, INC. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

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

FIGURES





Base Sample (Prefixed by "BES25-")

Excavation to 1' bgs (~1,672 sq.ft. | 213 ft.)

P— Buried Electrical Line

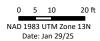
Excavation to 3' bgs (~3,295 sq.ft. | 298 ft.)

─ · · · Buried Pipeline

Excavation to 4' bgs (~1,501 sq.ft. | 228 ft.)



-Projects\ US PROJECTS\XTO Energy\2024\24E-04947 - JRU DI 11 Battery\Project\24E-04947.aprx





Confirmation Schematic JRU DI 11 Battery

FIGURE:



Seospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability paccuracies. This figure is intended for reference use only and is, not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2023. Site features from GPS by Vertex Professional Services Ltd. (VPS) 2024 & 2025

TABLES

Client Name: XTO Energy, Inc.

Site Name: James Ranch Unit DI 11 Battery NMOCD Tracking #: napp2431945579

Project #: 24E-04947 Lab Report: H247288

| | | Table 3. Ir | nitial Char | acterizatio | n Laborat | ory Resul | ts | | | | | |
|-----------|------------|-------------------|--------------------|--------------------------|---|----------------------------------|--------------------------|-------------------|---|-----------------------------|--|--|
| | Sample Des | | | | | eum Hydro | | | | | | |
| | | • | Vol | atile | | • | Extractable | 9 | | Inorganic | | |
| Sample ID | Depth (ft) | Sample Date | Benzene (mg/kg) | BTEX (Total) | র জু Gasoline Range Organics সু (GRO) | B Diesel Range Organics (DRO) | Motor Oil Range Organics | ma (GRO + DRO) | ਤੇ ਸ਼ੁਲ Total Petroleum ਨੂੰ Hydrocarbons (TPH) | 3 Chloride Concentration | | |
| | | | (6,6, | Depth to Groundwater <50 | | | | | | | | |
| | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 48 | | |
| BH24-01 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 128 | | |
| | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 128 | | |
| BH24-02 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 112 | | |
| | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 176 | | |
| BH24-03 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 32 | | |
| 21124.24 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 64 | | |
| BH24-04 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 64 | | |
| DU24.05 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 32 | | |
| BH24-05 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 48 | | |
| DU24 06 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 32 | | |
| BH24-06 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 64 | | |
| BH24-07 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 96 | | |
| ВП24-07 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 80 | | |
| BH24-08 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 3440 | | |
| БП24-06 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 1860 | | |
| BH24-09 | 0 | November 26, 2024 | ND | ND | ND | nn | ND | ND | ND | 2220 | | |
| БП24-09 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 48 | | |
| BH24-10 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 1200 | | |
| DI124-10 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 32 | | |
| BH24-11 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 1280 | | |
| 51124-11 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 112 | | |
| BH24-12 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 64 | | |
| DI 124-12 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 112 | | |
| BH24-13 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 2760 | | |
| DI124 13 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 3400 | | |
| BH24-14 | 0 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 7520 | | |
| 21124-14 | 2 | November 26, 2024 | ND | ND | ND | ND | ND | ND | ND | 496 | | |

[&]quot;ND" Not Detected at the Reporting Limit

Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria



[&]quot;-" indicates not analyzed/assessed

Client Name: XTO Energy, Inc.

Site Name: James Ranch Unit DI 11 Battery NMOCD Tracking #: napp2431945579

Project #: 24E-04947 Lab Report: H250393

| | | Table 4. Co | nfirmator | y Sample | | | | | | |
|-----------|------------|------------------|-------------------|------------------|--|--------------------------------------|---|-------------|---|--------------------------------------|
| | Sample Des | cription | | | Petrole | eum Hydro | carbons | | | |
| | | | Vol | atile | | | Extractable |) | | Inorganic |
| Sample ID | Depth (ft) | Sample Date | Benzene (8/kg) | /ga/BTEX (Total) | Gasoline Range Organics সু (GRO) | চাesel Range Organics সু (DRO) | স্ত্র Motor Oil Range Organics স্থ্র (MRO) | (GRO + DRO) | স্ত্র Total Petroleum স্থ্র Hydrocarbons (TPH) | කි Chloride Concentration මී |
| | | | | | D | epth to Gro | oundwater | <50 | | |
| BES25-01 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-02 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-03 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-04 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-05 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 96 |
| BES25-06 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 96 |
| BES25-07 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 128 |
| BES25-08 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 160 |
| BES25-09 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 96 |
| BES25-10 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-11 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 48 |
| BES25-12 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 192 |
| BES25-13 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 160 |
| BES25-14 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 144 |
| BES25-15 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-16 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 304 |
| BES25-17 | 3 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 192 |
| BES25-18 | 4 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 208 |
| BES25-19 | 4 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 96 |
| BES25-20 | 4 | January 17, 2025 | ND | ND | ND | ND | ND | ND | ND | 96 |
| BES25-21 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 256 |
| BES25-22 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 80 |
| BES25-23 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-24 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 128 |
| BES25-25 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-26 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 224 |
| BES25-27 | 4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-28 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 208 |
| BES25-29 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 160 |
| BES25-30 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 128 |
| BES25-31 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 464 |
| BES25-32 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 416 |
| BES25-33 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 256 |
| BES25-34 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 48 |
| BES25-35 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-36 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 192 |
| BES25-37 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |



Client Name: XTO Energy, Inc.

Site Name: James Ranch Unit DI 11 Battery NMOCD Tracking #: napp2431945579

Project #: 24E-04947 Lab Report: H250393

| | | Table 4. Co | nfirmator | v Sample | and Labor | atory Res | ults | | | |
|-----------|------------|------------------|-----------|--------------|----------------------------------|--------------------------------|-----------------------------------|-------------|---------------------------------------|------------------------|
| | Sample Des | | I | y sample | | um Hydro | | | | |
| | Jampie Des | cription | Vol | atile | retroit | - | Extractable | | | Inorganic |
| Sample ID | Depth (ft) | Sample Date | Benzene | BTEX (Total) | Gasoline Range Organics (GRO) | Diesel Range Organics (DRO) | Motor Oil Range Organics (MRO) | (GRO + DRO) | Total Petroleum Hydrocarbons (TPH) | Chloride Concentration |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | | | | | oundwater | | | |
| BES25-39 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-40 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-41 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-42 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 48 |
| BES25-43 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| BES25-44 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 32 |
| BES25-45 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 48 |
| BES25-46 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 96 |
| BES25-47 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-48 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| BES25-49 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 48 |
| BES25-50 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 176 |
| BES25-51 | 1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| WES25-1 | 0-3 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| WES25-2 | 0-3 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| WES25-3 | 0-3 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| WES25-4 | 0-3 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 80 |
| WES25-5 | 0-3 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| WES25-6 | 0-3 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 144 |
| WES25-7 | 0-4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 144 |
| WES25-8 | 0-4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| WES25-9 | 0-4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 64 |
| WES25-10 | 0-4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 144 |
| WES25-11 | 0-4 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 144 |
| WES25-12 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| WES25-13 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 160 |
| WES25-14 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 112 |
| WES25-15 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 160 |
| WES25-16 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 144 |
| WES25-17 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 192 |
| WES25-18 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 48 |
| WES25-19 | 0-1 | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 240 |
| Backfill | Surface | January 20, 2025 | ND | ND | ND | ND | ND | ND | ND | 224 |

[&]quot;ND" Not Detected at the Reporting Limit

Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria



[&]quot;-" indicates not analyzed/assessed

APPENDIX A – Closure Criteria Research Documentation

ATTACHMENT 5

| | iteria Determination | | | |
|-----------|---|-----------------------------------|--------------------------|-----------|
| | : James Ranch Unit DI 11 Battery | V. 602572 | V- 2504245 | |
| | oordinates: 32.391050,-103.898815 ic Conditions | X: 603572 Value | Y: 3584315 Unit | Reference |
| - | | | O ft< | Reference |
| Reference | Depth to Groundwater (nearest reference) | 500 | J 11< | |
| 1 | Distance between release and nearest DTGW reference | 1 - | 5 mi | 1 |
| | Date of nearest DTGW reference measurement | October | | |
| 2 | Within 300 feet of any continuously flowing watercourse or any other significant watercourse | 1000ft | - 2000ft | 2 |
| 3 | Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark) | 2000ft | : - 0.5mi | 3 |
| 4 | Within 300 feet from an occupied residence, school, hospital, institution or church | 1 - | 5 mi | 4 |
| 5 | i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or | 1 - | 5 mi | 5 |
| | ii) Within 1000 feet of any fresh water well or spring | 1 - | 5 | |
| 6 | Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves | No | (Y/N) | 6 |
| 7 | Within 300 feet of a wetland | 2000ft | - : - 0.5mi | 7 |
| | Within the area overlying a subsurface mine | No | (Y/N) | |
| 8 | Distance between release and nearest registered mine | 1- | 8 | |
| 9 | Within an unstable area (Karst Map) | Critical High Medium Low | | 9 |
| | Distance between release and nearest unstable area | Zero Feet - Overlyi | | |
| | Within a 100-year Floodplain | >500 | year | |
| 10 | Distance between release and nearest FEMA Zone A (100- year Floodplain) | 1 - | 5 mi | 10 |
| 11 | Soil Type | loam, clay loam, g | ypsiferous material | 11 |
| 12 | Ecological Classification | Loa | 12 | |
| 13 | Geology | Siltstone, gypsur dolo | 13 | |
| | NMAC 19.15.29.12 E (Table 1) Closure Criteria | <50' | <50' 51-100' >100' | |

OSE POD 0.5 miles



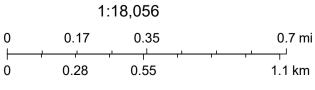
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GIS WATERS PODs OSE District Boundary NHD Flowlines

Active Water Right Regulations Artificial Path

Pending Artesian Planning Area Connector

____ Stream River



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Water Column/Average Depth to Water

| (A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD has been replaced, O=orphaned, C=the file is closed) | | | | ers are est to lar | gest) | | | | (NAD83 UTI | M in meters) | | | (In feet) | (In feet) | (In feet) |
|--|--|--------------|--------|-----|-----------------------|-------|-----|-----|-------|------------|--------------|-----|----------|---------------|---------------------|----------------------|
| POD Number | Code | Sub basin | County | Q64 | Q16 | Q4 | Sec | Tws | Range | x | Υ | Мар | Distance | Well Depth | Depth Water | Water Column |
| <u>C 02723</u> | | CUB | ED | NE | NE | SW | 15 | 225 | 30E | 606282.0 | 3584363.0 * | • | 2710 | 651 | | |
| C 03679 POD1 | | С | ED | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2767 | 700 | 575 | 125 |
| C 03587 POD3 | | CUB | ED | NE | SE | NW | 07 | 225 | 29E | 601446.7 | 3586271.3 | • | 2888 | 80 | 47 | 33 |
| <u>C 02724</u> | | CUB | ED | SE | SE | NE | 29 | 225 | 30E | 603860.0 | 3581329.0 * | • | 2999 | 503 | | |
| <u>C 03015</u> | | CUB | ED | NW | SE | SW | 22 | 225 | 30E | 606099.0 | 3582353.0 * | • | 3199 | 1316 | 262 | 1054 |
| <u>C 03531 POD7</u> | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 600008.2 | 3586695.5 | | 4285 | 100 | | |
| C 03531 POD2 | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 600007.7 | 3586696.1 | • | 4286 | 110 | 68 | 42 |
| C 03531 POD1 | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 600001.2 | 3586721.9 | • | 4306 | 100 | 68 | 32 |
| C 03531 POD6 | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 599974.4 | 3586681.9 | • | 4306 | 100 | | |
| C 03531 POD3 | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 599995.0 | 3586714.4 | • | 4307 | 105 | 68 | 37 |
| C 03531 POD4 | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 599994.5 | 3586761.8 | • | 4334 | 100 | | |
| C 03531 POD5 | | CUB | ED | NW | NW | NE | 12 | 225 | 29E | 599991.5 | 3586804.9 | • | 4361 | 100 | | |
| C 02111 | | CUB | ED | NE | NE | NE | 33 | 225 | 30E | 605505.0 | 3580336.0 * | • | 4423 | 248 | 155 | 93 |
| <u>C 03531 POD8</u> | | CUB | ED | SW | SW | SE | 01 | 225 | 29E | 600000.7 | 3586926.4 | • | 4424 | 100 | | |
| C 03587 POD4 | | CUB | ED | NE | SE | SE | 14 | 225 | 29E | 599005.7 | 3583977.3 | • | 4578 | 79 | 57 | 22 |
| | | | | | | | | | | | | | | Average [| Depth to Wa | nter: 162 fee |
| | | | | | | | | | | | | | | Minimum | Depth: 47 f | feet |
| | | | | | | | | | | | | | | Maximum | n Depth: 575 | ; feet |
| 1 | | | | | | | | | | | | | | | | • |

Record Count: 15

UTM Filters (in meters):

Easting: 603572 **Northing:** 3584315 **Radius:** 005000

12/10/24 2:35 PM MST

 $\ensuremath{^*}$ UTM location was derived from PLSS - see Help

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Water Column/Average Depth to Water

Point of Diversion Summary

| | | quarters are a quarters a | re smallest | | | | | NAD83 UTM | in meters | | |
|-------------------------|---------------------|------------------------------|-------------|---------|---------|-------|--------|------------|-----------|---------------------|---------|
| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | х | Υ | Мар | |
| | C 03679 POD1 | NW | SE | NE | 14 | 24S | 33E | 603567.1 | 3581547.1 | • | |
| UTM location | on was derived from | PLSS - see Help | | | | | | | | | |
| Driller License: | 1654 | Driller Company: | NOT | WORKING | FOR HIR | ESIRM | 1AN DR | ILLING AND | CONSTRUC | | |
| Driller Name: | JOHN SIRMAN | N | | | | | | | | | |
| Drill Start Date: | 2013-10-23 | Drill Finish Date: | 2013 | -10-29 | | | | | | Plug Date: | |
| Log File Date: | 2013-11-07 | PCW Rcv Date: | | | | | | | | Source: | Shallov |
| Pump Type: | | Pipe Discharge Size: | | | | | | | | Estimated Yield: | 20 |
| Casing Size: | 6.00 | Depth Well: | 700 | | | | | | | Depth Water: | 575 |

| Тор | Bottom | Description |
|-----|--------|-------------------------------|
| 565 | 665 | Sandstone/Gravel/Conglomerate |

Casing Perforations:

| Тор | Bottom |
|-----|--------|
| 560 | 620 |
| 660 | 700 |

Meter Information

| Meter Number: | ter Number: 16576 Meter M | | MASTERMETER |
|----------------------|---------------------------|-------------------|-------------|
| Meter Serial Number: | 8112524 | Meter Multiplier: | 100.0000 |
| Number of Dials: | 6 | Meter Type: | Diversion |

Unit of Measure: Gallons Reading Frequency: Monthly (No Reading Expected)

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount | Online |
|------------|------|-------------|------|-----|---------|------------|--------|
| 2014-03-01 | 2014 | 29030.000 | А | RPT | | 0.000 | |
| 2014-07-01 | 2014 | 49261.000 | Α | RPT | | 6.209 | |
| 2014-10-01 | 2014 | 68901.000 | Α | RPT | | 6.027 | |
| 2014-12-31 | 2014 | 84036.000 | Α | RPT | | 4.645 | |
| 2015-02-01 | 2015 | 89806.000 | Α | RPT | | 1.771 | |
| 2015-03-02 | 2015 | 92350.000 | Α | RPT | | 0.781 | |
| 2015-04-01 | 2015 | 96582.000 | Α | RPT | | 1.299 | |
| 2015-04-30 | 2015 | 104711.000 | Α | RPT | | 2.495 | |
| 2015-05-31 | 2015 | 111086.000 | Α | RPT | | 1.956 | |
| 2015-07-01 | 2015 | 118700.000 | А | RPT | | 2.337 | |
| 2015-08-01 | 2015 | 123816.000 | А | RPT | | 1.570 | |
| 2015-08-31 | 2015 | 130025.000 | А | RPT | | 1.905 | |
| 2015-10-01 | 2015 | 135622.000 | А | RPT | | 1.718 | |

YTD Meter Amounts:

| Year | Amount |
|------|--------|
| 2014 | 16.881 |
| 2015 | 15.832 |

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12/10/24 3:27 PM MST Point of Diversion Summary

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Water Right Summary WR File Number: C 03679 Subbasin: **Cross Reference:** STK 72-12-1 LIVESTOCK WATERING aet image **Primary Purpose:** <u>list</u> **Primary Status:** PMT Permit **Total Acres:** Subfile: Header: **Total Diversion:** 3.000 Cause/Case: Owner: MARK MCCLOY DOUBLE M RANCH Contact: SCOTT DBA:GRR, INC GREGORY **Documents on File** (acre-feet per annum) Transaction Status Status **Images** Trn# File/Act 2 Transaction Desc. From/To Acres Diversion Consumptive 535375 LOG C 03679 3.000 get images 72121 2013-10-11 PMT Τ **Current Points of Diversion POD Number** Well Tag Source Q64 Q16 Q4 Tws Rng Х Мар **Other Location Desc** C 03679 POD1 Shallow NW SE NE 14 24S 33E 603567.1 3581547.1 * UTM location was derived from PLSS - see Help

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STATE ENGINEER OFFICE ROSWELL

| | OSE POD NI | IMBER (WELL | NUMBER) | | | SE FILE NU | (BER(S) /13 3 NO | ר ב עו | ΛH | | | | | | | |
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| AND WELL LOCATION | MARK | MCCI | by MCC | loy Rawches | | <u>432.</u> | 940-4 | 145 STATE | 9 | ZIP | | | | | | |
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| GENERAL | DESCRIPTI | ON RELATING | WELL LOCATION TO | STREET ADDRESS AND COMMON LANDA | aarks – Plss (S | ECTION, TO | wnship, range) wh | ERE AVAI | LABLE | | | | | | | |
| 1.0 | Huy | 128 | _ mm 3 | o 1/4 worth | | | · | | | | | | | | | |
| | LICENSE N | i | NAME OF LICENSED | DRILLER | | | NAME OF WELL DR | | _ | | | | | | | |
| | 165 | 4 | JOHN. | Sirman | | | SIRMEN | | | | | | | | | |
| | DRILLING | | DRILLING ENDED | DEPTH OF COMPLETED WELL (FT) | BORE HOLB | . , | DEPTH WATER FOR | ST ENCOU | NTERED (FT |) | | | | | | |
| | 10/23 | 13 | 10/29/13 | 700-0 | 700- | U | 575 | | | | | | | | | |
| | COMPLETE | יים וופי | - ARTESIAN | DRY HOLE SHALLOW (UNC | (INFINED) | | STATIC WATER LEV | | MOTRIED WI | ELL (FT) | | | | | | |
| Z | | | | | —————————————————————————————————————— | | 405.0 | | | | | | | | | |
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| CASING INPORTATION | DEPTH | (feet bgi) | BORE HOLE | CASING MATERIAL AND/OR | CASI | NG | CASING | CASD | IG WALL | SLOT | | | | | | |
| Ş | FROM TO DIAM | | DIAM | CON | | CTION | INSIDE DIAM. | THIC | CKNESS | SIZE | | | | | | |
| V Su | (inches) | | | note sections of screen) | TYF | PE | (inches) | (inches) | | (inches) | | | | | | |
| 4 C | 0 | 560 | 10 | PVC | Certa- | Lck | 6 | DR-17 | | Blank | | | | | | |
| S | | | | | | | | | | <u> </u> | | | | | | |
| DRILLING | 560 | 620 | 10 | PVC | Crita | alok 6 | | DR- | 17 : | 032 Ser | | | | | | |
| D. | | | | 0.1. | 1 1 | / / | | | | 2/ / | | | | | | |
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| FOR | OSE INTER | NAL USE | | · · · · · · · · · · · · · · · · · · · | | WR-20 | WELL RECORD | & LOG (| /ersion 06/0 | 8/2012) | | | | | | |
| FILE | NUMBER | C-310 | 79 | POD NUMBER | | | | 357 | | | | | | | | |

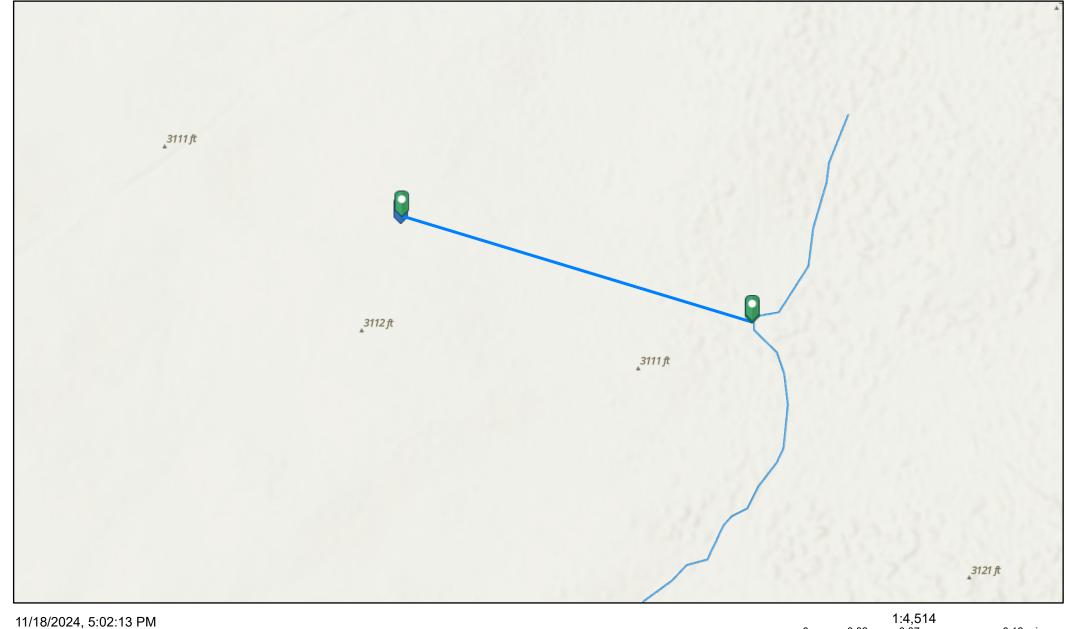
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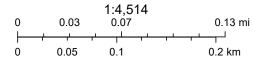
| | DEPTH (| oct bgl) | | COLOR AND TYPE OF MATERIAL ENCOUNTERED - | WATER | ESTIMATED YIELD FOR | | | | | | |
|---------------------------|---|------------|-----------------------------|---|----------------------|------------------------|--|--|--|--|--|--|
| | most | T 0 | THICKNESS (feet) | INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES | BEARING? | WATER- | | | | | | |
| | FROM | то | | (attach supplemental sheets to fully describe all units) | (YES / NO) | BEARING ZONES (gpm) | | | | | | |
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| [| 35 | 55 | 20 | red spondstone | □Y EN- | | | | | | | |
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| | 70 | 90 | 20 | aray SANdstone | □Y 🖳 × | | | | | | | |
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| Ö | 120 | 300 | 180 | gray sandstone | □Y ®N | | | | | | | |
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| | SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE | | | | | | | | | | | |

| TOR COD INTERNAL COD | | WALLE WITH THE PROPERTY OF THE POOR (A | CHRIOTI OCHOCA ZOTZ) |
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02. JRU DI 11 1125ft from a watercourse

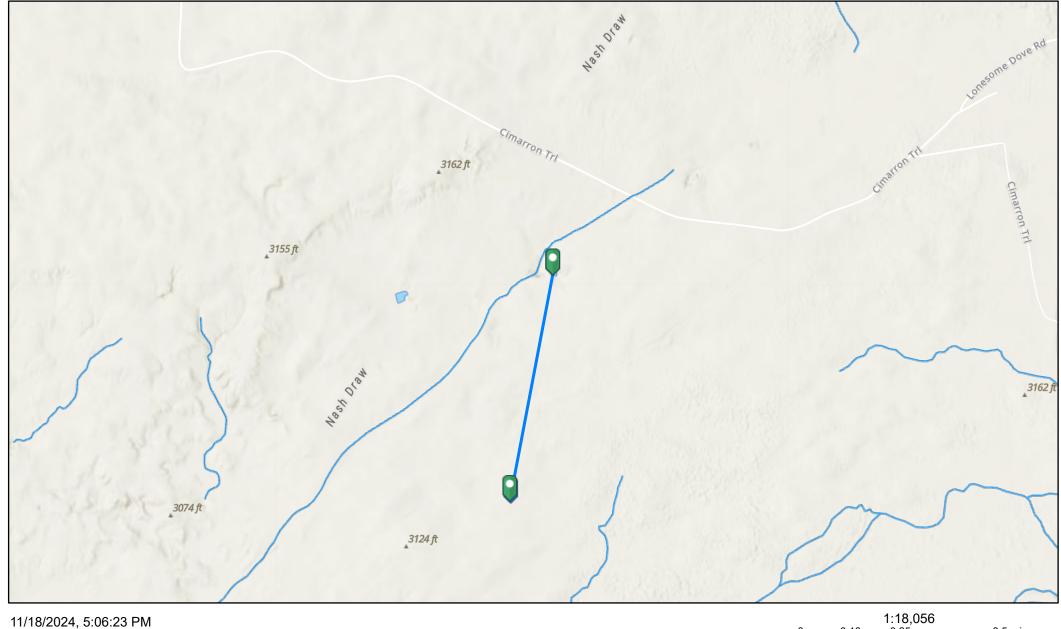


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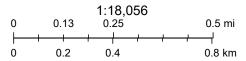
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft,

03. JRU DI 11 3025ft from a lake

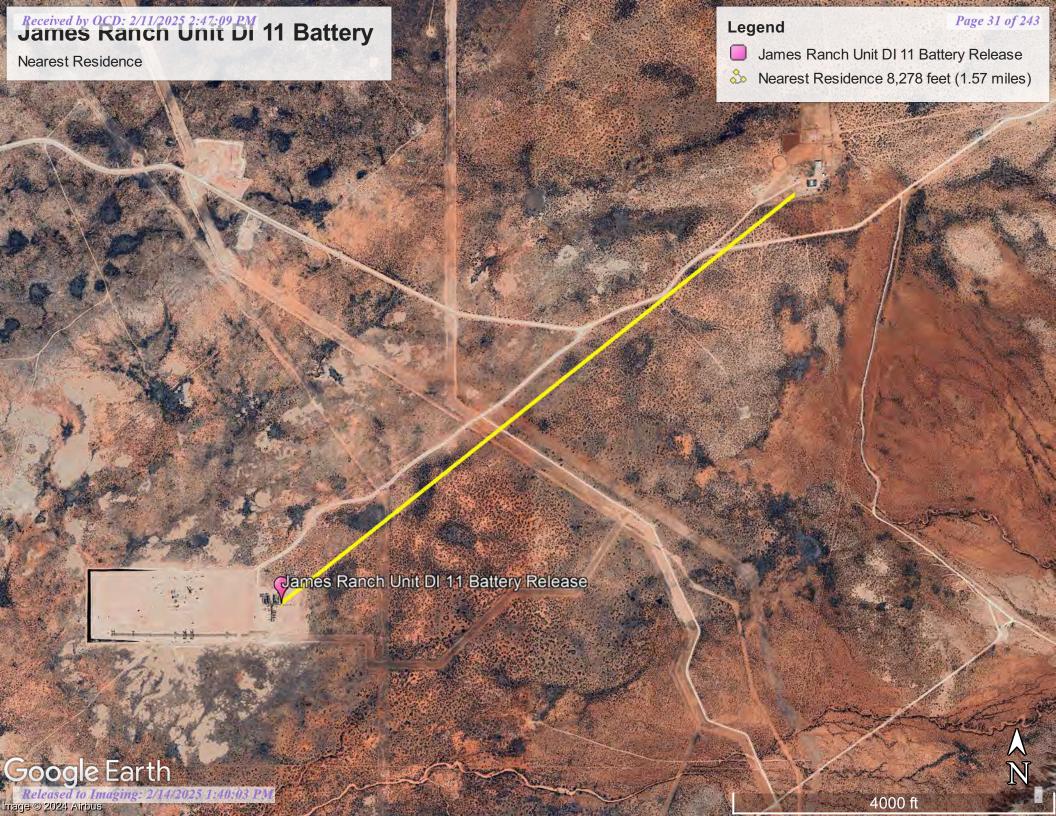




OSE Streams



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE



Active & Inactive Points of Diversion

(with Ownership Information)

| | | | (R=POD has been replaced (acre ft per and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) (quarters are smallest to largest) | | | |) | (NAD83 UTM | (meters) | | | | | | | | | | | |
|----------------|--------------|-----|---|--------------------------------|--------|---------------------|-------------|------------|----------|----------|-----|-----|----|-----|------|-------|----------|-------------|-----|----------|
| WR File Nbr | Sub basin | Use | Diversion | Owner | County | POD Number | Well Tag | Code | Grant | Source | q64 | q16 | q4 | Sec | Tws | Range | x | Υ | Мар | Distance |
| <u>C 01916</u> | С | PRO | 0.000 | PERRY R BASS | ED | <u>C 01916</u> | | | | | SE | SW | NE | 21 | 22S | 30E | 605068.0 | 3582947.0 * | • | 2,027.2 |
| <u>C 02723</u> | CUB | MON | 0.000 | U.S. DEPT. OF ENERGY, WIPP | ED | <u>C 02723</u> | | | | Shallow | NE | NE | SW | 15 | 22S | 30E | 606282.0 | 3584363.0 * | • | 2,710.4 |
| <u>C 03679</u> | С | STK | 3.000 | MARK MCCLOY DOUBLE M RANCH | ED | C 03679 POD1 | | | | Shallow | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| C 03696 | С | PRO | 0.000 | CONCHO OIL AND GAS | ED | C 03679 POD1 | | | | Shallow | NW | SE | NE | 14 | 24\$ | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| <u>C 03697</u> | С | PRO | 0.000 | CONCHO OIL AND GAS | ED | C 03679 POD1 | | | | Shallow | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| <u>C 03698</u> | С | PRO | 0.000 | CONCHO OIL AND GAS | ED | <u>C 03679 POD1</u> | | | | Shallow | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| C 03928 | С | PRO | 0.000 | CONCHO OIL & GAS | ED | <u>C 03679 POD1</u> | | | | Shallow | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| <u>C 03929</u> | С | PRO | 0.000 | CONCHO OIL & GAS | ED | C 03679 POD1 | | | | Shallow | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| <u>C 03930</u> | с | PRO | 0.000 | CONCHO OIL & GAS | ED | <u>C 03679 POD1</u> | | | | Shallow | NW | SE | NE | 14 | 245 | 33E | 603567.1 | 3581547.1 | • | 2,767.9 |
| <u>C 03587</u> | CUB | MON | 0.000 | MOSAIC POTASH CARLSBAD INC | ED | C 03587 POD3 | | | | Shallow | NE | SE | NW | 07 | 225 | 29E | 601446.7 | 3586271.3 | • | 2,888.6 |
| <u>C 02724</u> | CUB | MON | 0.000 | U.S. DEPT. OF ENERGY, WIPP | ED | <u>C 02724</u> | | | | | SE | SE | NE | 29 | 225 | 30E | 603860.0 | 3581329.0 * | • | 2,999.9 |
| <u>C 03015</u> | CUB | MON | 0.000 | U.S. DEPT OF ENERGY - WIPP | ED | <u>C 03015</u> | | | | Artesian | NW | SE | SW | 22 | 225 | 30E | 606099.0 | 3582353.0 * | • | 3,199.2 |
| <u>C 04420</u> | CUB | MON | 0.000 | TETRA TECH INC | ED | C 04420 POD1 | NA | | | | SW | SE | SE | 32 | 215 | 30E | 603624.0 | 3588504.2 | • | 4,189.5 |
| <u>C 03531</u> | CUB | EXP | 0.000 | MOSAIC CARLSBAD POTASH INC. | ED | <u>C 03531 POD7</u> | | | | Shallow | NW | NW | NE | 12 | 225 | 29E | 600008.2 | 3586695.5 | • | 4,285.7 |
| | | | | | ED | C 03531 POD2 | | | | Shallow | NW | NW | NE | 12 | 225 | 29E | 600007.7 | 3586696.1 | • | 4,286.5 |
| | | | | | ED | C 03531 POD1 | | | | Shallow | NW | NW | NE | 12 | 225 | 29E | 600001.2 | 3586721.9 | • | 4,306.2 |
| | | | | | ED | C 03531 POD6 | | | | Shallow | NW | NW | NE | 12 | 22S | 29E | 599974.4 | 3586681.9 | • | 4,306.4 |
| | | | | | ED | <u>C 03531 POD3</u> | | | | Shallow | NW | NW | NE | 12 | 225 | 29E | 599995.0 | 3586714.4 | • | 4,307.2 |
| | | | | | ED | C 03531 POD4 | | | | Shallow | NW | NW | NE | 12 | 225 | 29E | 599994.5 | 3586761.8 | • | 4,334.2 |
| | | | | | ED | C 03531 POD5 | | | | Shallow | NW | NW | NE | 12 | 22S | 29E | 599991.5 | 3586804.9 | • | 4,361.1 |
| C 02111 | CUB | MIN | 47.000 | WESTERN AG-MINERALS CO. | ED | <u>C 02111</u> | | | | Shallow | NE | NE | NE | 33 | 22S | 30E | 605505.0 | 3580336.0 * | • | 4,423.7 |
| C 03531 | CUB | EXP | 0.000 | MOSAIC CARLSBAD POTASH INC. | ED | <u>C 03531 POD8</u> | | | | Shallow | SW | SW | SE | 01 | 225 | 29E | 600000.7 | 3586926.4 | • | 4,424.2 |
| C 03587 | CUB | MON | 0.000 | MOSAIC POTASH CARLSBAD INC | ED | <u>C 03587 POD4</u> | | | | | NE | SE | SE | 14 | 225 | 29E | 599005.7 | 3583977.3 | • | 4,578.8 |

Record Count: 23

Filters Applied:

UTM Filters (in meters): Easting: 603572 Northing: 3584315 Radius: 005000

Sorted By: Distance

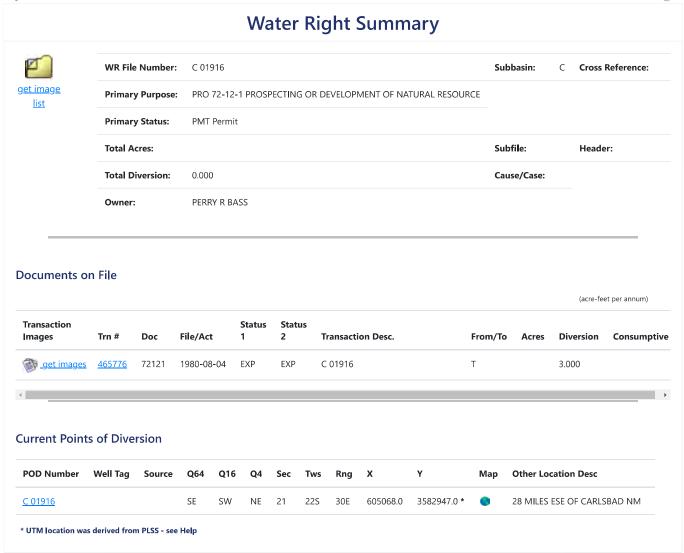
* UTM location was derived from PLSS - see Help

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

12/10/24 2:36 PM MST

Active & Inactive Points of Diversion

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12/10/24 3:58 PM MST Water Rights Summary

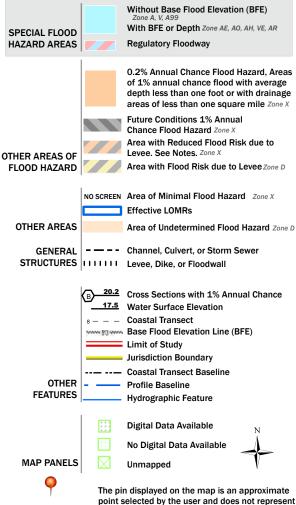
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National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/11/2024 at 1:36 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

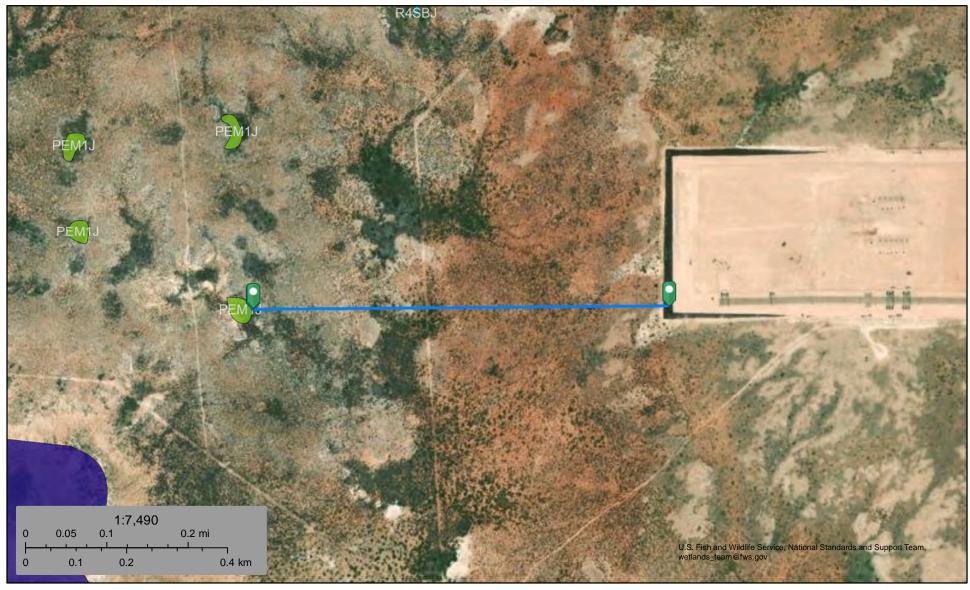
an authoritative property location.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





JRU DI 11 0.43mi to a wetland



November 19, 2024

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

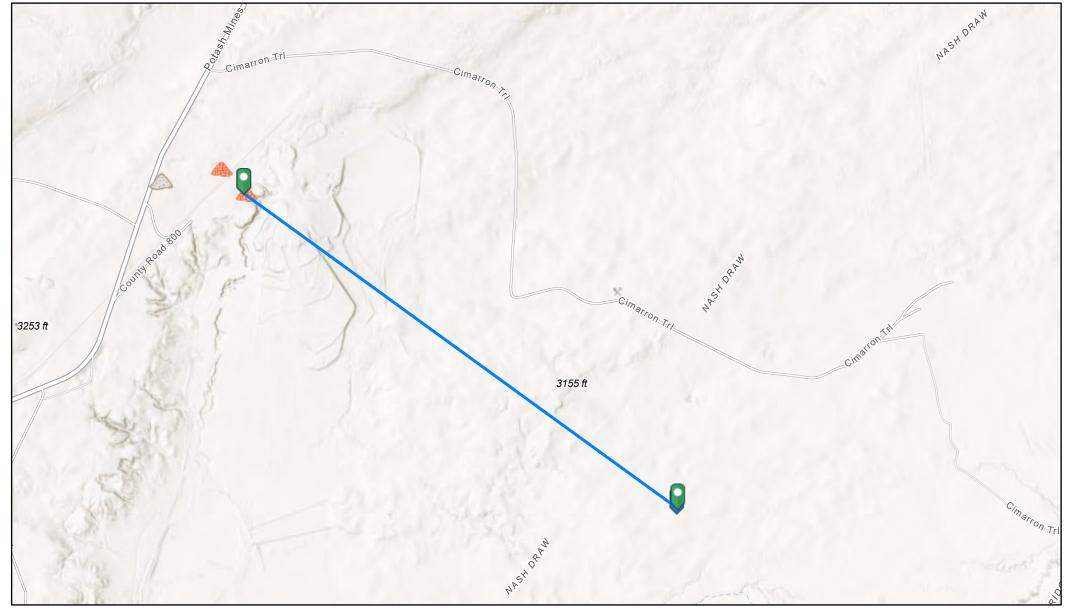
Other

Riverine

Other

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

JRU DI 11 2.69mi from a mine



11/18/2024, 5:59:10 PM

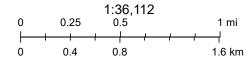
Registered Mines



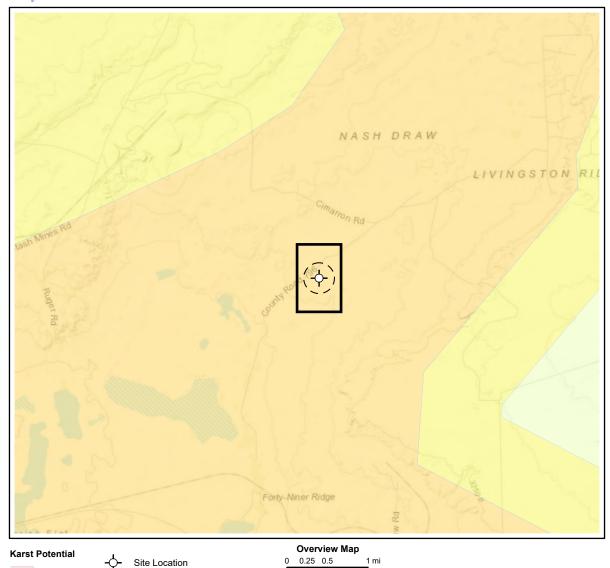
Potash

Aggregate, Stone etc.

Salt



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS





0 150 300

S\XTO Energy\2024\24E-04947 - JRU DI 11 Battery\Project\24E-04947.

Critical

High

Medium

Low



Map Center: Lat/Long 32.3906°,-103.89861°

Site Location Buffer (1000 ft)

NAD 1983 UTM Zone 13N Date: Nov 21/24



Karst Potential Map JRU DI 11 Battery

Figure:

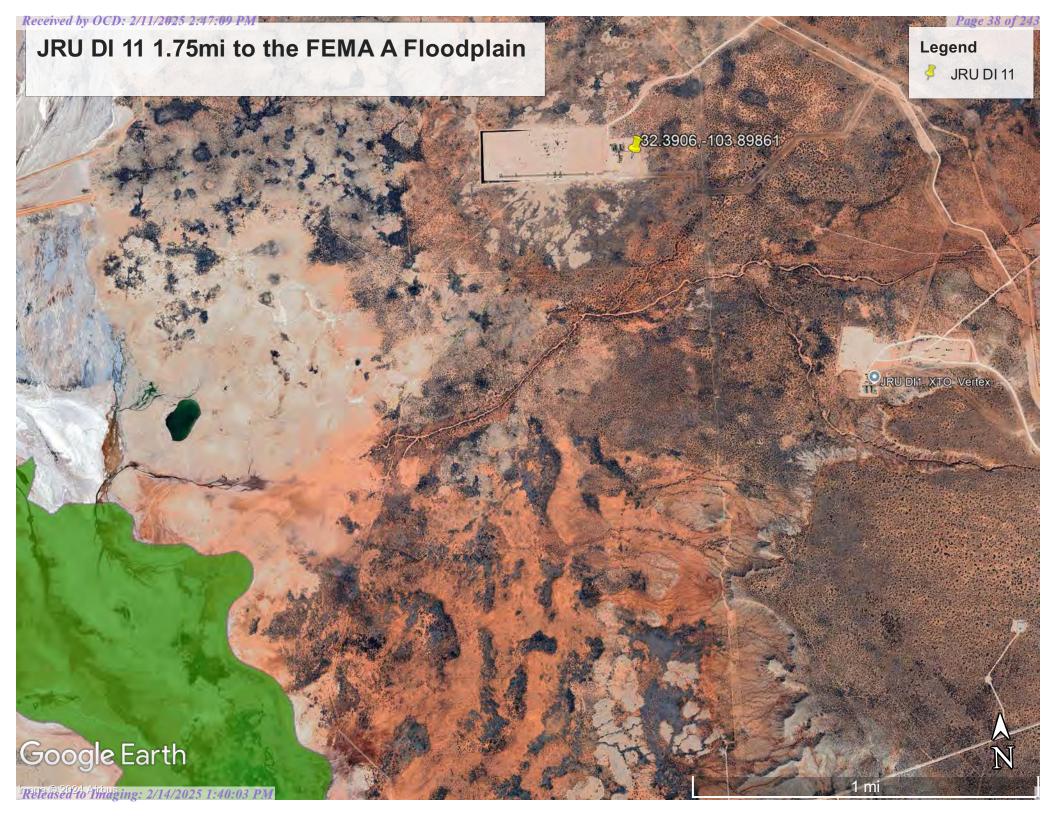
X

600 ft



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, Esri 2022; Overview Map: Esri World Topographic. Karst potential data sources from Roswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management, (2018). Karst Potential.



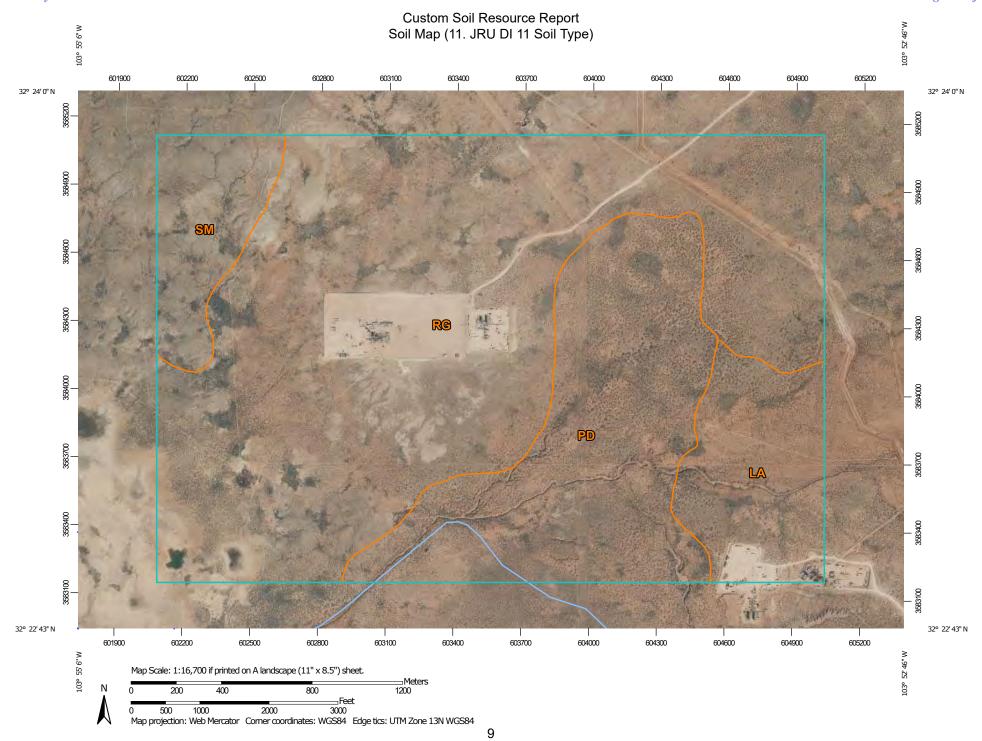


NRCS

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

Custom Soil Resource Report for Eddy Area, New Mexico





MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at Area of Interest (AOI) Spoil Area 1:20.000. Area of Interest (AOI) â Stony Spot Soils Please rely on the bar scale on each map sheet for map Very Stony Spot 8 Soil Map Unit Polygons measurements. Ŷ Wet Spot Soil Map Unit Lines Source of Map: Natural Resources Conservation Service Other Δ Soil Map Unit Points Web Soil Survey URL: Special Line Features Coordinate System: Web Mercator (EPSG:3857) **Special Point Features Water Features** Blowout \odot Maps from the Web Soil Survey are based on the Web Mercator Streams and Canals Borrow Pit projection, which preserves direction and shape but distorts \boxtimes Transportation distance and area. A projection that preserves area, such as the Clay Spot Rails Albers equal-area conic projection, should be used if more --accurate calculations of distance or area are required. Closed Depression Interstate Highways Gravel Pit **US Routes** This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. **Gravelly Spot** Major Roads Landfill Local Roads Soil Survey Area: Eddy Area, New Mexico 0 Lava Flow Survey Area Data: Version 20, Sep 3, 2024 Background Marsh or swamp Aerial Photography Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Mine or Quarry Miscellaneous Water Date(s) aerial images were photographed: Feb 7, 2020—May Perennial Water 12, 2020 Rock Outcrop The orthophoto or other base map on which the soil lines were Saline Spot compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor Sandy Spot shifting of map unit boundaries may be evident. Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot

Map Unit Legend (11. JRU DI 11 Soil Type)

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI | |
|-----------------------------|--|--------------|----------------|--|
| LA | Largo loam, 1 to 5 percent slopes | 140.1 | 9.7% | |
| PD | Pajarito-Dune land complex, 0 to 3 percent slopes | 340.6 | 23.6% | |
| RG | Reeves-Gypsum land complex, 0 to 3 percent slopes | 867.3 | 60.0% | |
| SM | Simona-Bippus complex, 0 to 5 percent slopes | 96.3 | 6.7% | |
| Totals for Area of Interest | 1 | 1,444.3 | 100.0% | |

Map Unit Descriptions (11. JRU DI 11 Soil Type)

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.

Eddy Area, New Mexico

LA—Largo loam, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w4y Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Largo and similar soils: 98 percent Minor components: 2 percent

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

Description of Largo

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Calcareous alluvium

Typical profile

H1 - 0 to 4 inches: loam H2 - 4 to 47 inches: silt loam H3 - 47 to 65 inches: loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20

to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: High (about 10.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 1 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Pajarito

Percent of map unit: 1 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

PD—Pajarito-Dune land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w55 Elevation: 3,000 to 5,000 feet

Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 46 percent

Dune land: 45 percent

Minor components: 9 percent

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

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear Across-slope shape: Linear, convex

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: fine sandy loam H2 - 9 to 36 inches: fine sandy loam H3 - 36 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00

in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dune fields

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Talf

Down-slope shape: Convex, linear Across-slope shape: Convex, linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam H2 - 6 to 60 inches: sandy loam

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent

Hydric soil rating: No

Largo

Percent of map unit: 4 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent Minor components: 15 percent

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

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

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

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent Bippus and similar soils: 30 percent Minor components: 15 percent

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

Description of Simona

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

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

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

Description of Bippus

Setting

Landform: Flood plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Bippus

Percent of map unit: 7 percent Ecological site: R070BC017NM - Bottomland Hydric soil rating: No

Soil Information for All Uses

Ecological Sites

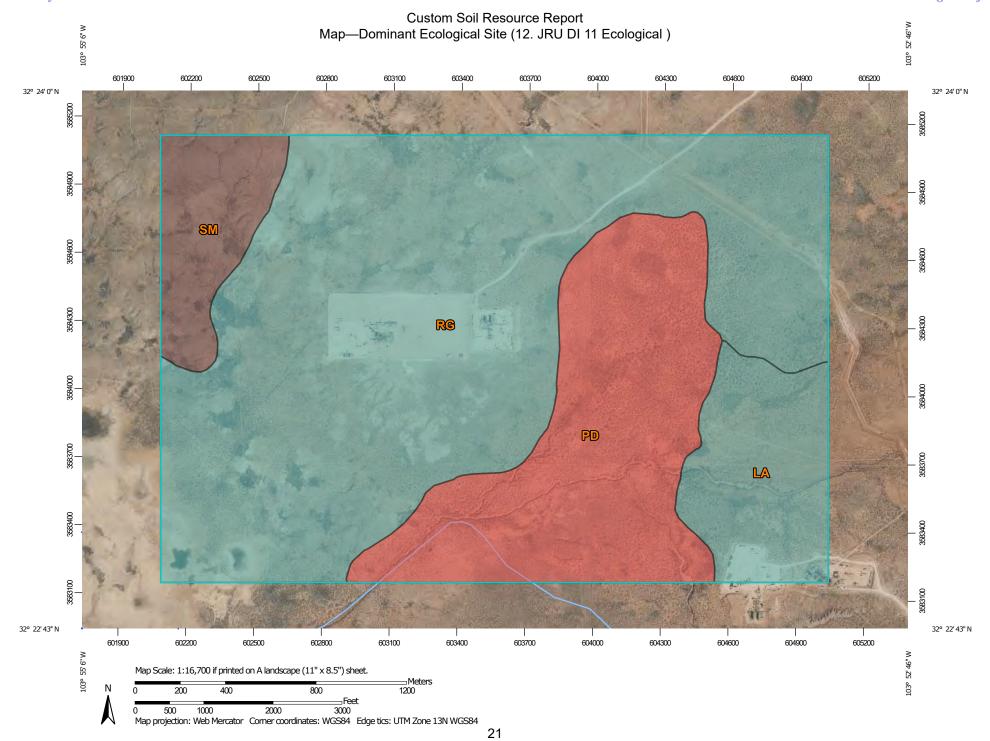
Individual soil map unit components can be correlated to a particular ecological site. The Ecological Site Assessment section includes ecological site descriptions, plant growth curves, state and transition models, and selected National Plants database information.

All Ecological Sites — (12. JRU DI 11 Ecological)

An "ecological site" is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. For example, the hydrology of the site is influenced by development of the soil and plant community. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production.

An ecological site name provides a general description of a particular ecological site. For example, "Loamy Upland" is the name of a rangeland ecological site. An "ecological site ID" is the symbol assigned to a particular ecological site.

The map identifies the dominant ecological site for each map unit, aggregated by dominant condition. Other ecological sites may occur within each map unit. Each map unit typically consists of one or more components (soils and/or miscellaneous areas). Each soil component is associated with an ecological site. Miscellaneous areas, such as rock outcrop, sand dunes, and badlands, have little or no soil material and support little or no vegetation and therefore are not linked to an ecological site. The table below the map lists all of the ecological sites for each map unit component in your area of interest.



MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at Area of Interest (AOI) Background 1:20.000. Area of Interest (AOI) Aerial Photography Soils Please rely on the bar scale on each map sheet for map Soil Rating Polygons measurements. R070BC007NM Source of Map: Natural Resources Conservation Service R070BD002NM Web Soil Survey URL: R070BD003NM Coordinate System: Web Mercator (EPSG:3857) Not rated or not available Maps from the Web Soil Survey are based on the Web Mercator Soil Rating Lines projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the R070BC007NM Albers equal-area conic projection, should be used if more R070BD002NM accurate calculations of distance or area are required. R070BD003NM This product is generated from the USDA-NRCS certified data as Not rated or not available of the version date(s) listed below. Soil Rating Points Soil Survey Area: Eddy Area, New Mexico R070BC007NM Survey Area Data: Version 20, Sep 3, 2024 R070BD002NM Soil map units are labeled (as space allows) for map scales R070BD003NM 1:50,000 or larger. Not rated or not available **Water Features** Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020 Streams and Canals Transportation The orthophoto or other base map on which the soil lines were Rails compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor Interstate Highways shifting of map unit boundaries may be evident. **US Routes** Major Roads Local Roads

Table—Ecological Sites by Map Unit Component (12. JRU DI 11 Ecological)

| Map unit symbol | Map unit name | Component name (percent) | Ecological site | Acres in AOI | Percent of AOI |
|-----------------------|---|--------------------------|-----------------------------------|--------------|----------------|
| LA | Largo loam, 1 to 5 percent slopes | Largo (98%) | R070BC007NM — Loamy | 140.1 | 9.7% |
| | | Largo (1%) | R070BC017NM — Bottomland | | |
| | | Pajarito (1%) | R070BD003NM — Loamy Sand | | |
| PD | Pajarito-Dune land complex, 0 to 3 | Pajarito (46%) | R070BD003NM — Loamy Sand | 340.6 | 23.6% |
| | percent slopes | Dune land (45%) | R070BD003NM — Loamy Sand | | |
| | | Rock outcrop (5%) | | | |
| | | Largo (4%) | R070BC007NM — Loamy | | |
| RG | Reeves-Gypsum land complex, 0 to 3 percent slopes | Reeves (55%) | R070BC007NM — Loamy | 867.3 | 60.0% |
| | | Gypsum land (30%) | | | |
| | | Cottonwood (5%) | R070BC033NM — Salty Bottomland | | |
| | | Largo (5%) | R070BC007NM — Loamy | | |
| | | Reagan (5%) | R070BC007NM — Loamy | | |
| SM | Simona-Bippus complex, 0 to 5 percent slopes | Simona (55%) | R070BD002NM — Shallow Sandy | 96.3 | 6.7% |
| | | Bippus (30%) | R070BC017NM — Bottomland | | |
| | | Simona (8%) | R070BD002NM — Shallow Sandy | | |
| | | Bippus (7%) | R070BC017NM — Bottomland | | |
| Totals for Area of In | terest | | | 1,444.3 | 100.0% |



Ecological site R070BC007NM Loamy

Accessed: 12/11/2024

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Table 1. Dominant plant species

| Tree | Not specified |
|------------|---------------|
| Shrub | Not specified |
| Herbaceous | Not specified |

Physiographic features

This site occurs on uplands landforms, mainly on hill slopes, ridges, plains, terraces and some fan remnants. Slopes range from 1 to 5 percent and average about 3 percent. Average annual precipitation is about 8 to 14 inches. Elevations range from 2,842 to 5,000 feet.

Table 2. Representative physiographic features

| Landforms | (1) Plain (2) Terrace (3) Fan piedmont |
|--------------------|--|
| Flooding frequency | None |
| Ponding frequency | None |
| Elevation | 2,842–5,000 ft |
| Slope | 0–5% |
| Aspect | E, S, W |

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest in January through June rapidly drying out the soil during a critical time for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

| Frost-free period (average) | 221 days |
|-------------------------------|----------|
| Freeze-free period (average) | 240 days |
| Precipitation total (average) | 13 in |

Influencing water features

This site is not influenced by wetland or streams.

Soil features

The soils of this site are deep to moderately deep. The moderately deep soils have either a petrocalcic, petrogypsic or gypsum horizon between 30 and 40 inches.

Surface textures are loam, silt loam, very fine sandy loam, or clay loam. Substratum textures are loam, silty clay loam, clay loam, or silt loams. Subsoil textures are silt loam, clay loam silty clay loam, gravelly loam, gravelly clay loam or very gravelly loam. Permeability is moderate to slow and the available water holding capacity is high to moderate. The Atoka, Reeves, Russler, Milner soils may have highr amounts of CaC03, ranging as high as 40 percent in the subsoil. Rock fragments range fro 5 to 50 percent in the subsoil. Reeves, Rusler, Milner, Holloman soils will have 40 to 80 percent gypsum in the underlying material.

Maximum and minimum values listed below represent the characteristic soils for this site.

Characteristic Soils:

Atoka (petrocalcic)

Bigetty

Reagan

Reakor

Reeves (gypsum)

Russler (gypsum)

Largo

Russler (gypsum)

Largo

Berino

Tinney

Midessa

Ratliff

Holloman (gypsum)

Milner (gypsum)

Table 4. Representative soil features

| Surface texture | (1) Loam(2) Very fine sandy loam(3) Silt loam |
|----------------------|---|
| Family particle size | (1) Loamy |
| Drainage class | Well drained to somewhat excessively drained |
| Permeability class | Moderate to slow |
| Soil depth | 30–72 in |

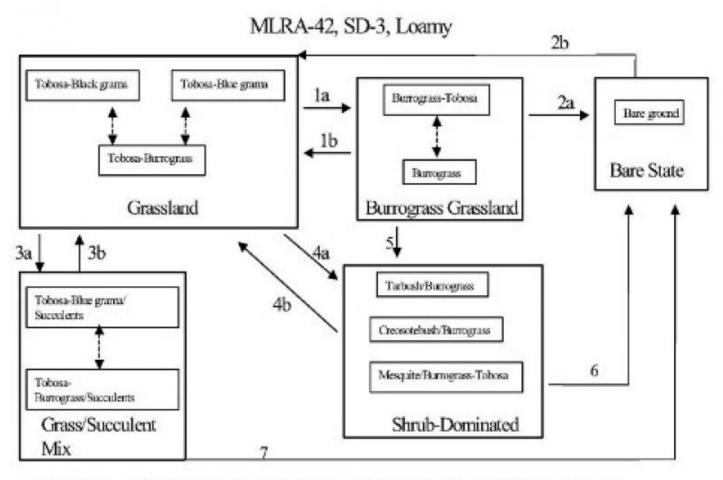
| Surface fragment cover <=3" | 0–5% |
|---|--------------|
| Surface fragment cover >3" | 0% |
| Available water capacity (0-40in) | 5–12 in |
| Calcium carbonate equivalent (0-40in) | 0–10% |
| Electrical conductivity (0-40in) | 0–8 mmhos/cm |
| Sodium adsorption ratio (0-40in) | 0–6 |
| Soil reaction (1:1 water) (0-40in) | 6.6–8.4 |
| Subsurface fragment volume <=3" (Depth not specified) | 0–5% |
| Subsurface fragment volume >3" (Depth not specified) | 0% |

Ecological dynamics

Overview: The Loamy site is associated with the Gyp Upland ecological site with which it intergrades. There is a pronounced increase in alkali sacaton along this interface. The loamy site is also associated with the Gravelly and Shallow ecological sites from which it receives run-on water. The Draw site often dissects Loamy sites and is distinguished from the Loamy site by increased production or greater densities of woody species. The historic plant community has a grassland aspect, dominated by grasses with shrubs and half-shrubs sparse and evenly distributed. Tobosa, black grama and blue grama are the dominant species. Retrogression within this state is characterized by a decrease in black and blue grama and an increase in burrograss. Continuous overgrazing and drought can initiate a transition to a Burrograss- Grassland state. Continued reduction in grass cover and resulting infiltration problems may eventually effect a change to a Bare State, with very little or no remaining grass cover. Alternatively, creosotebush, tarbush or mesquite may expand or invade. Transitions back to a Grassland State from a Bare or Shrub-Dominated state are costly and may not be economically feasible. Decreased fire frequency may play a part in the transition to the Grass/Succulent Mix state with increased amounts of cholla and prickly pear.

State and transition model

Plant Communities and Transitional Pathways (diagram)



- Ia. Soil drying, overgrazing, drought, soil surface sealing. Ib. Restore natural overland flow, increase infiltration, prescribed grazing.
- Severe reduction in cover, soil surface sealing, decreased infiltration, erosion. 2b. Restore hydrology, break up physical crust, range seeding, prescribed grazing.
- 3a. Lack of fire, overgrazing, hall storms or other physical disturbance, drought, 3b. Prescribed fire, brush control, prescribed grazing.
- 4a. Seed dispersal of shrubs, persistent loss of grass cover, competition by shrubs, lack of fire. 4b. Brush control, range seeding -dependent on amount of grass (seed bank) remaining.
- 5. Loss of grass cover, seed dispersal of shrubs, competition by shrubs.
- 6. & 7. Brush control with continued loss of grass cover, soil sealing, erosion.

State 1 Historic Climax Plant Community

Community 1.1 Historic Climax Plant Community

State Containing Historic Climax Plant Community Grassland: The historic plant community has a grassland aspect, dominated by grasses with shrubs and half-shrubs sparse and evenly distributed. Black grama, blue grama, and tobosa are the dominant grass species. There are a variety of perennial forbs and their production varies widely by season and year. Globemallow, verbena, groundsels, croton and filaree are forbs commonly found on this site. Fourwing saltbush and winterfat are two of the more palatable shrubs. The Loamy ecological site encompasses a

wide variety of soils, with surface textures ranging from sandy loams to clay loams. Soil depths range from shallow to very deep and can include sub surface features such as calcic, petrocalcic, and gypsic horizons. These variations cause differences in plant community composition and dynamics. Black grama is found at highest densities on coarser textured sandy loams, with blue grama preferring finer textured loam and silt loam, and tobosa favoring lower landscape positions and loam to clay loam surface textures. Burrograss may often be the dominant grass species on silty soils, perhaps in part due to the seedlings ability to auger into and establish on physically crusted soils. Gypsum influenced soils typically have greater amounts of tobosa, burrograss, and ephedra. There is greater representation of sideoats and vine mesquite within the tobosa-blue grama community. Retrogression under continuous heavy grazing results in a decrease of black grama, blue grama, sideoats grama, plains bristlegrass, bush muhly, cane bluestem, vine mesquite, winterfat, and fourwing saltbush. Species such as burrograss, threeawns, sand dropseed, sand muhly, and broom snakeweed increase under continuous heavy grazing or prolonged periods of drought. Under continued retrogression burrograss can completely dominate the site. Creosotebush, tarbush, and mesquite, can also dominate. Cholla and prickly pear can increase on areas that are disturbed or overgrazed. Diagnosis: Tobosa, black grama, and blue grama are the dominant species. Grass cover is uniformly distributed with few large bare areas. Shrubs are sparse and evenly distributed. Slopes range from level to gently sloping and usually display limited evidence of active rills and gully formation if plant cover remains intact. Litter movement associated with overland flow is limited to smaller size class litter and short distances. Other shrubs include: yucca, mesquite, tarbush, cholla and creosote bush. Other forbs include: desert holly, scorpionweed, bladderpod, flax, nama, fleabane, Indianwheat, Indian blanket flower, groundcherry, deerstongue, and rayless goldenrod.

Table 5. Annual production by plant type

| Plant Type | Low (Lb/Acre) | Representative Value (Lb/Acre) | |
|-----------------|------------------|-----------------------------------|------|
| Grass/Grasslike | 585 | 833 | 1080 |
| Forb | 39 | 55 | 72 |
| Shrub/Vine | 26 | 37 | 48 |
| Total | 650 | 925 | 1200 |

Table 6. Ground cover

| Tree foliar cover | 0% |
|-----------------------------------|--------|
| Shrub/vine/liana foliar cover | 0% |
| Grass/grasslike foliar cover | 15-30% |
| Forb foliar cover | 0% |
| Non-vascular plants | 0% |
| Biological crusts | 0% |
| Litter | 25-30% |
| Surface fragments >0.25" and <=3" | 0% |
| Surface fragments >3" | 0% |
| Bedrock | 0% |
| Water | 0% |
| Bare ground | 40-50% |

Figure 5. Plant community growth curve (percent production by month). NM2807, R042XC007NM Loamy HCPC. R042XC007NM Loamy HCPC Warm Season Plant Community..

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 0 | 0 | 5 | 10 | 10 | 25 | 30 | 15 | 5 | 0 | 0 |

Burrograss-Grassland

Community 2.1 Burrograss-Grassland

Burrograss-Grassland: Changes in hydrology resulting in decreased available soil moisture, reduces grass cover and increases bare ground. Burrograss is the dominant grass. Tobosa cover is variable and can range from sizeable areas to small patches occupying only depressions or the lowest and wettest positions within the site. Threeawns, ear muhly, sand muhly, and fluffgrass occur at increased densities compared to the grassland state. Shrub densities may increase especially mesquite, creosotebush or tarbush. Retrogression within this state is characterized by a further decrease in grass cover and increased bare ground. Further deterioration of this site can result in the transition to a bare state or becoming shrub dominated. Diagnosis: Burrograss is the dominant species. Grass cover is no longer uniformly distributed, instead tending to be patchy with large areas of bare ground present. Physical crusts are present in bare areas reducing infiltration and suppressing seedling establishment by any grass species other than burrograss. Transition to Burrograss-Grassland (1a): Transitions from grassland to a burrograssgrassland state may occur due to changes in hydrology. Gullies, roads or obstructions that alter natural water flow patterns may cause this transition. Changes in surface hydrology may also occur due to overgrazing or drought. The reduction in grass cover promotes increased soil physical crusts and reduces infiltration. 5 Key indicators of approach to transition: ? Diversion of overland flow resulting in decreased soil moisture. ? Increase in amount of burrograss cover ? Reduction in grass cover and increase in size and frequency of bare patches. ? Formation of physical crusts—indicating reduced infiltration. ? Evidence of litter movement—indicating loss or redistribution of organic matter. Transition back to Grassland (1b) The natural hydrology of the site must be returned. Culverts, turnouts, or rerouting roads may help re-establish natural overland flow, if roads or trails have altered the hydrology. Erosion control structures or shaping and filling gullies may help regain natural flow patterns and establish vegetation if the flow has been channeled. Breaking up physical crusts by soil disturbance may promote infiltration and seedling emergence. Allow natural revegetation to take place. Prescribed grazing will help ensure proper forage utilization and reduce grass loss due to grazing.

State 3 Bare State

Community 3.1 Bare State

Bare State: Extremely low ground cover, soil degradation and erosion characterize this state. Very little vegetation remains. Burrograss is the dominant grass and cover is extremely patchy. Physical soil crusts are extensive. Erosion and resource depletion increase as site degrades. Diagnosis: Very little cover remains. Erosion is evident by soil sealing, water flow patterns, pedestals or terracettes. Rills and gullies may be present and active. Transition to Bare State (2a): Extended drought, continuous heavy grazing, or other disturbance that severely depletes grass cover can effect this transition. As grass cover decreases, sheet flow and erosion increase, and physical soil crusts form, thereby further reducing infiltration. Key indicators of approach to transition: ? Continued reduction in grass cover. ? Increased soil surface sealing. ? Increased erosion. ? Reduced aggregate stability in bare areas.

Transition back to Grassland (2b) Restore the hydrology, see (1a). With the extent of grass loss range seeding may be necessary. Utilizing livestock or mechanical means to break up the physical crusts may increase infiltration and aid seedling establishment. Prescribed grazing will help ensure adequate deferment period following seeding, and proper forage utilization once the grass stand is well established. The degree to which this site is capable of recovery depends on the restoration of hydrology, extent of degradation to soil resources, and adequate rainfall necessary to establish grasses.

State 4 Grass/Succulent Mix

Community 4.1 Grass/Succulent Mix

Grass / Succulent Mix: Increased representations of succulents characterize this site. Increased densities of cholla or pricklypear is recognized as a management concern, but their impact on grass production is unclear. Light to

medium cholla or prickly pear infestation doesn't seem to greatly reduce grass production, however it limits access to palatable grasses and interferes with livestock movement and handling. Tobosa and blue grama are the dominant species on this site. Retrogression within this site is characterized by a decrease in blue grama and an increase in succulents, tobosa and burrograss. Diagnosis: Cholla or prickly pear is found at increased densities. Grass cover is variable ranging from uniformly distributed to patchy with frequent areas of bare ground present. Tobosa or blue grama is the dominant grass species. Transition to Grass/Succulent Mix (3a): If fire was historically a part of desert grassland ecosystem and played a role in suppressing seedlings of shrubs and succulents, then fire suppression may favor the increase of succulents.1 Heavy grazing by livestock or other physical disturbances may help disseminate seed and increase the establishment of succulents. Areas historically overgrazed by sheep are sometimes associated with higher densities of Succulents. Intense hailstorms can spread pricklypear by breaking off joints causing new plants to take root.3 During severe drought perennial grass cover can decline significantly, leaving resources available for use by more drought tolerant succulents. Cholla and pricklypear are both adapted to and favored by drought due to the ability of their shallow, wide spreading root systems to absorb and store water.4 Key indicators of approach to transition: ? Decrease or change in distribution of grass cover. ? Increase in amount of succulent seedlings. ? Increased cover of succulents. Transition back to Grassland (3b) Fire is an effective means of controlling cholla and prickly pear if adequate grass cover remains to carry fire.2 Cholla greater than two feet tall or pricklypear with a large amount of pads (>15-20) are harder to kill. Chemical control is effective in controlling prickly pear and cholla; apply when growth starts in May. Hand grubbing is also effective if cholla or pricklypear is severed 2-4 inches below ground and care is taken not to let broken joints or pads take root. Stacking and burning piles and grubbing during winter or drought help keeps broken joints and pads from rooting. Prescribed grazing will help ensure proper forage utilization and sustain grass cover.

State 5 Shrub Dominated

Community 5.1 Shrub Dominated

Shrub Dominated: Increased shrub cover characterizes this state. Mesquite, creosotebush, and/or tarbush are the dominant shrub species. Burrograss or tobosa is the dominant grass species. Grass cover is decreased, typically patchy with large bare areas present; however, sometimes grass cover can remain relatively high for extended periods when associated with light to moderate infestations of mesquite. Variations in soil characteristics play a part in determining which shrub species increase. Mesquite is well adapted to a wide range of soil types, but increases more often on deep soils low in carbonates, that have a sandy surface overlying finer textured soils. Tarbush prefers finer textured, calcareous soils, usually in lower positions that receive some extra water. Creosotebush is less tolerant of fine textured soils, preferring sandy, calcareous soils that have some gravel. Creosotebush also does well on soils that are shallow over caliche. Retrogression within this state is characterized by a decrease in tobosa, and an increase in burrograss. As the site continues to degrade shrub cover continues to increase and grass cover is severely reduced. Diagnosis: Mesquite, Creosotebush, and/or tarbush are the dominant shrubs. Blue grama and black grama cover is low or absent. Burrograss or tobosa are the dominant grasses. Typically grass cover is patchy with large interconnected bare areas present. Physical soil crusts are present, especially on silt loam surface soils. Transition to Shrub Dominated (4a): Wildlife and livestock consume and disperse mesquite seeds. Flood events may wash creosote or tarbush seeds off adjacent gravelly sites onto the loamy site and supply adequate moisture for germination. Persistent loss of grass cover due to overgrazing or drought can cause large bare patches, providing competition free areas for shrub seedling establishment. As shrub cover increases, competition for soil resources, especially water, becomes a major factor in further reducing grass cover. Reduction of fire, due to either fire suppression policy or loss of adequate fine fuels may increase the probability of shrub encroachment. Increased soil surface physical crusts and associated decreased infiltration, may prevent the establishment of grass seedlings. Transition to Shrub Dominated (5): The dispersal of creosotebush, tarbush or mesquite seed, combined with loss of grass cover and resource competition by shrubs may cause this transition. Key indicators of approach to transition: ? Decreased grass and litter cover. ? Increased bare patch size. ? Increased physical soil crusts. ? Increased amount of mesquite, creosotebush, or tarbush seedlings. ? Increased shrub cover. Transition back to Grassland (4b) Brush control will be necessary to remove shrubs and eliminate competition for resources necessary for grass establishment or reproduction. Seeding may be necessary on those sites where desired grass species are absent or very limited. Pitting and seeding may increase the chances of successful grass establishment. Prescribed grazing will help ensure adequate time is elapsed before grazing seeded area is allowed and proper forage utilization following seeding establishment. Transition to Bare State (6): If grass cover on the shrub-dominated state is

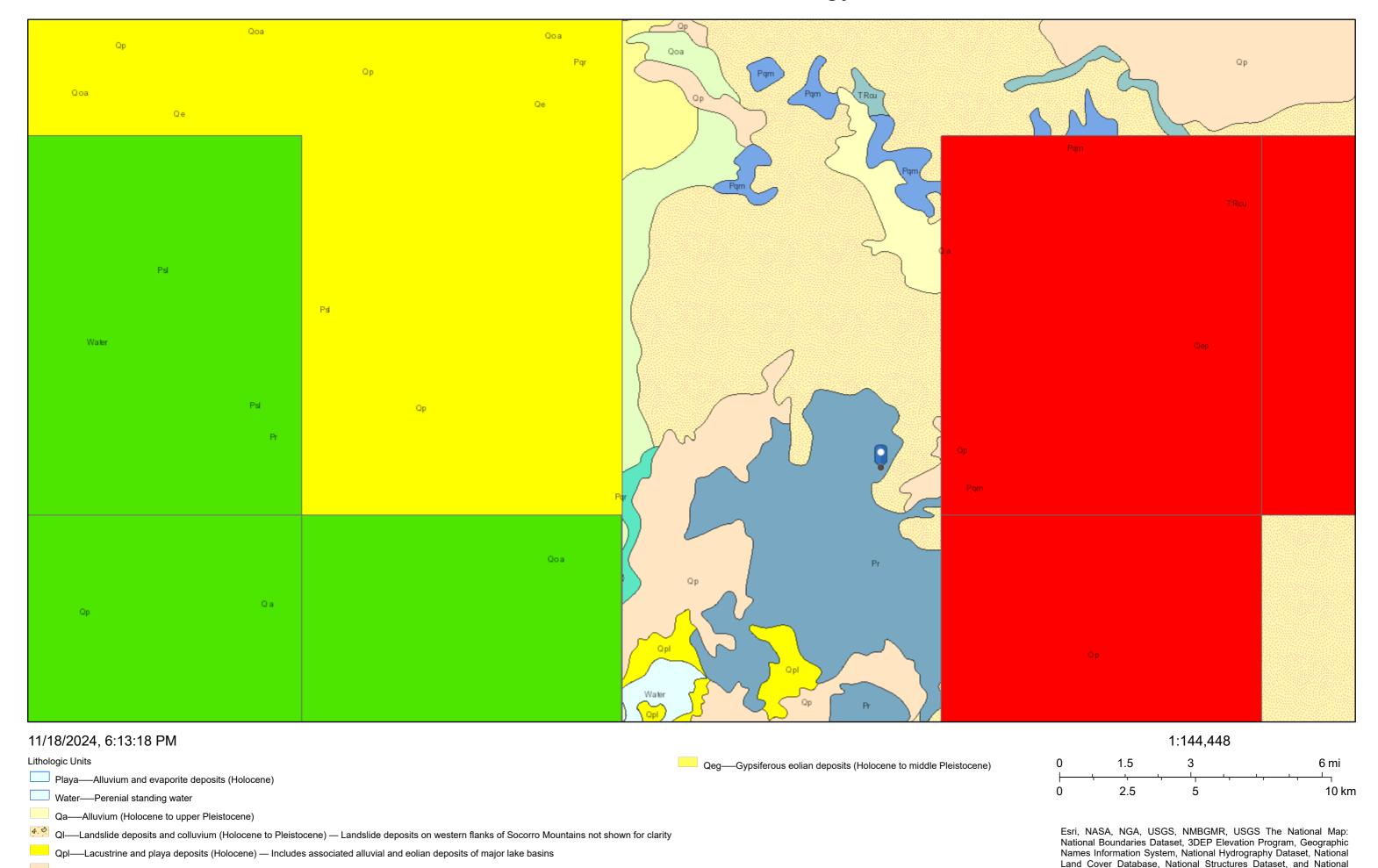
severely limited and shrubs are removed a bare state may result. This transition will depend on amount of grasses or seed remaining, whether site is seeded, or if seeding is successful. Transition to Bare State (7): Removal of succulents and continued overgrazing or drought may cause loss of remaining grasses and erosion. Soil surface physical crusting may also be an important factor in inhibiting grass seedling establishment

Additional community tables

Table 7. Community 1.1 plant community composition

| Group | Common Name | Symbol | Scientific Name | Annual Production (Lb/Acre) | Foliar Cover (%) |
|-------|---------------------------------|--------|---------------------------------|-----------------------------|---------------------|
| Grass | /Grasslike | • | | | |
| 1 | Warm Season | | | 278–324 | |
| | tobosagrass | PLMU3 | Pleuraphis mutica | 278–324 | _ |
| 2 | Warm Season | • | | 9–46 | |
| | burrograss | SCBR2 | Scleropogon brevifolius | 9–46 | _ |
| 3 | Warm Season | • | | 231–278 | |
| | black grama | BOER4 | Bouteloua eriopoda | 231–278 | _ |
| | blue grama | BOGR2 | Bouteloua gracilis | 231–278 | _ |
| 4 | Warm Season | • | | 28–46 | |
| | sideoats grama | BOCU | Bouteloua curtipendula | 28–46 | _ |
| 5 | Warm Season | • | | 46–93 | |
| | bush muhly | MUPO2 | Muhlenbergia porteri | 46–93 | _ |
| | plains bristlegrass | SEVU2 | Setaria vulpiseta | 46–93 | _ |
| 6 | Warm Season | • | | 9–28 | |
| | Arizona cottontop | DICA8 | Digitaria californica | 9–28 | _ |
| 7 | Warm Season | 46–93 | | | |
| | threeawn | ARIST | Aristida | 46–93 | _ |
| | muhly | MUHLE | Muhlenbergia | 46–93 | _ |
| | sand dropseed | SPCR | Sporobolus cryptandrus | 46–93 | _ |
| 8 | Warm Season | ! | | 28–46 | |
| | Graminoid (grass or grass-like) | 2GRAM | Graminoid (grass or grass-like) | 28–46 | _ |
| Shrub | /Vine | ! | | - | |
| 9 | Shrub | | | 9–28 | |
| | fourwing saltbush | ATCA2 | Atriplex canescens | 9–28 | _ |
| | jointfir | EPHED | Ephedra | 9–28 | _ |
| | winterfat | KRLA2 | Krascheninnikovia lanata | 9–28 | _ |
| | cane bluestem | BOBA3 | Bothriochloa barbinodis | 5–24 | _ |
| | Arizona cottontop | DICA8 | Digitaria californica | 5–24 | _ |
| | plains bristlegrass | SEVU2 | Setaria vulpiseta | 5–24 | _ |
| 10 | Shrub | • | | 9–28 | |
| | javelina bush | COER5 | Condalia ericoides | 9–28 | _ |
| | broom snakeweed | GUSA2 | Gutierrezia sarothrae | 9–28 | _ |
| | Grass, annual | 2GA | Grass, annual | 5–15 | _ |
| 11 | Shrubs | • | • | 9–28 | |
| | Shrub (>.5m) | 2SHRUB | Shrub (>.5m) | 9–28 | _ |

13. JRU DI 11 Geology



Transportation Dataset; USGS Global Ecosystems; U.S. Census

Qp—Piedmont alluvial deposits (Holocene to lower Pleistocene)

Qe—Eolian deposits (Holocene to middle Pleistocene)

APPENDIX D – Notification(s)

From: Hall, Brittany, EMNRD
To: Riley Plogger

Cc: Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD

Subject: RE: [EXTERNAL] JRU Di 11 Variance request for Monday 1-20-25

I'm sorry there seems to be some confusion.

Please include a copy of this email chain approving the variance to extend the confirmation sampling notice to Monday, January 20, 2025, due to XTO shutting down operations today because of high winds is approved and ff sampling is to extend past January 20, 2025, an additional C-141N must be submitted in the next submittal.

Please let me know if this clears up the confusion or if I am off base in my assumption.

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-ocd-ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Riley Plogger < RPlogger@vertexresource.com>

Sent: Friday, January 17, 2025 1:34 PM

To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD

<Shelly.Wells@emnrd.nm.gov>

Subject: Re: [EXTERNAL] JRU Di 11 Variance request for Monday 1-20-25

Here is the correspondence. Thank you

Get Outlook for iOS

From: Hall, Brittany, EMNRD < Brittany, Hall@emnrd.nm.gov>

Sent: Friday, January 17, 2025 1:27:13 PM

To: Riley Plogger <<u>RPlogger@vertexresource.com</u>>; Chad Hensley <<u>CHensley@vertexresource.com</u>>

Cc: Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >; Wells, Shelly, EMNRD

<<u>Shelly.Wells@emnrd.nm.gov</u>>

Subject: RE: [EXTERNAL] JRU Di 11 Variance request for Monday 1-20-25

Caution: This email is from an external sender. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Riley,

The variance to extend the confirmation sampling notice to Monday, January 20, 2025, due to XTO shutting down operations today because of high winds is approved. If sampling is to extend past January 20, 2025, an additional C-141N must be submitted.

Please include a copy of this correspondence in the next submittal.

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

<u>Effective 12/1/2024</u>: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-ocd-ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Riley Plogger < RPlogger@vertexresource.com>

Sent: Friday, January 17, 2025 1:12 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov> **Cc:** Chad Hensley < CHensley@vertexresource.com>

Subject: [EXTERNAL] JRU Di 11 Variance request for Monday 1-20-25

You don't often get email from rplogger@vertexresource.com. Learn why this is important

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Location name: James Ranch Unit DI 11

Submission ID: 420675

Incident number: nAPP2431945579

Good afternoon, I am requesting a variance to extend my confirmation sampling notice to Monday, January 20, 2025, due to XTO shutting down operations today because of

high winds.

Riley Plogger

Environmental Field Technician

Vertex Resource Services Inc.

Houston, TX 77380-1335

C 575.361.9639

www.vertex.ca Connect with LinkedIn

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APPENDIX B – Daily Field and Sampling Report(s)

Departed Site

Daily Site Visit Report

11/15/2024 11:05 AM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 11/15/2024 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 12/2/2024 4:06 PM |
| Client Contact Name: | Amy Ruth | API #: | |
| Client Contact Phone #: | 432-661-0571 | _ | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| | | Summary of | Times |
| Arrived at Site | 11/15/2024 9:30 AM | | |

Daily Site Visit Report



Site Sketch

Site Sketch

Daily Site Visit Report



Field Notes

10:20 Map out spill area

10:20 Flag area for 811

Next Steps & Recommendations

1 Delineate spill

Daily Site Visit Report



Site Photos

Viewing Direction: West



Spill area around pumps

Viewing Direction: South



Spill area around pumps

Viewing Direction: West



Spill area around pumps

Viewing Direction: South



Spill area near tank battery's and line going to flare





Spill area towards pumps



Spill area



Spill area on pad



Spill area going to flare





Spill area under flare line by tank battery



Spill area on North side of pad

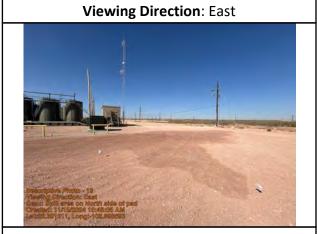


Spill on North side of pad



Spill area on North side of pad









Spill area on north side of pad



Daily Site Visit Signature

Inspector: Riley Plogger

Signature: Signature

Departed Site

Daily Site Visit Report

11/25/2024 3:30 PM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 11/25/2024 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 12/2/2024 3:44 PM |
| Client Contact Name: | Amy Ruth | API #: | |
| Client Contact Phone #: | 432-661-0571 | - | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| Summary of Times | | | |
| Arrived at Site | 11/25/2024 9:45 AM | | |



Site Sketch

Site Sketch



Field Notes

15:11 Delineate spill area

Next Steps & Recommendations

1 Send samples to lab for analysis



Site Photos



BH24-01 @ 2'



Viewing Direction: West



BH24-02 @ 2'



BH24-04 @ 2'







Run on 12/2/2024 3:44 PM UTC Powered by www.krinkleldar.com Page 5 of 6



Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

Departed Site

Daily Site Visit Report

11/26/2024 3:15 PM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 11/26/2024 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 12/2/2024 3:44 PM |
| Client Contact Name: | Amy Ruth | API #: | |
| Client Contact Phone #: | 432-661-0571 | | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| Summary of Times | | | |
| Arrived at Site | 11/26/2024 10:15 AM | | |



Site Sketch

Site Sketch



Field Notes

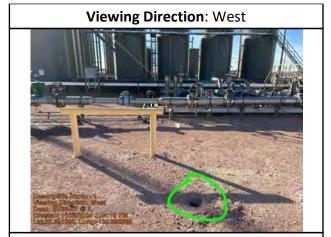
14:33 Finish delineation on spill area

Next Steps & Recommendations

1 Send samples off to lab for analysis



Site Photos



BH24-07 @ 2'



Viewing Direction: East

Wiewing Direction: East

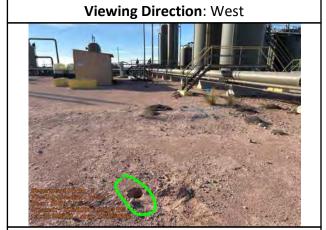
White Control of the Control of

BH24-08 @ 2'



BH24-10 @ 2'





Viewing Direction: West

BH24-11 @ 2'

BH24-12 @ 2'





BH24-13 @ 2'

BH24-14 @ 2'



Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

Departed Site

Daily Site Visit Report

1/13/2025 3:45 PM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 1/13/2025 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 1/24/2025 5:59 PM |
| Client Contact Name: | Amy Ruth | API#: | |
| Client Contact Phone #: | 432-661-0571 | _ | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| Summary of Times | | | |
| Arrived at Site | 1/13/2025 8:15 AM | | |



Site Sketch

Site Sketch



Field Notes

15:33 Walk out excavation areas with dirt work crew

Next Steps & Recommendations

1 Begin excavation



Site Photos



Excavation areas



Viewing Direction: North

Cota Chine (State 1974)

Descriptive Photo
Viewing Direction

Viewing Direction

Orth
Descriptive Photo
Cotaled int 2020 534:37 Ph
Lat-32-386881. Long-104-2379

Cotaled int 2020 534:37 Ph
Lat-32-38681. Long-104-2379

Cotaled int 2020 534:37 Ph
Long-104-2479

Cotaled int 2020 534:37 Ph
Long-104-2479

Cotaled int 2020 534:3

Excavation areas

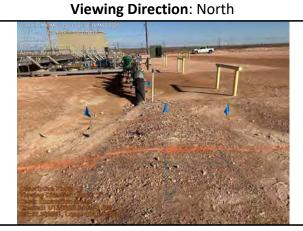


Excavation areas





Excavation areas



Excavation areas



areas hydro vac to window out electrical lines



Area hydro vac to window lines



Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

Departed Site

Daily Site Visit Report

1/14/2025 3:30 PM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 1/14/2025 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 1/24/2025 3:32 PM |
| Client Contact Name: | Amy Ruth | API#: | |
| Client Contact Phone #: | 432-661-0571 | | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| Summary of Times | | | |
| Arrived at Site | 1/14/2025 8:15 AM | | |



Site Sketch

Site Sketch



Field Notes

- 15:01 Continue excavation on the 2' area and begin hand digging around the 1' area
- 15:01 Field screen excavated areas

Next Steps & Recommendations

- 1 Continue excavation. Begin on 4' area once 3' area is finished
- 2 Hand digging crews will continue on areas needing to be dug



Site Photos



1' area hand dug near compressors



1' area hand dug in front of containment

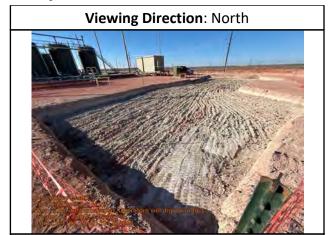


1' area hand dug near compressors



1' area hand dug under stairs in front of containment





2' area excavated. Operators will dig down to



2' area excavated. Operators will dig down to 3' tomorrow



Excavated material



Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

Departed Site

Daily Site Visit Report

1/16/2025 3:30 PM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 1/16/2025 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 1/24/2025 3:33 PM |
| Client Contact Name: | Amy Ruth | API #: | |
| Client Contact Phone #: | 432-661-0571 | _ | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| Summary of Times | | | |
| Arrived at Site | 1/16/2025 8:20 AM | | |



Site Sketch

Site Sketch



Field Notes

13:56 Continue excavation on the 4' and 1' area

Next Steps & Recommendations

- 1 Finish 4' excavation area
- 2 Field screen samples



Site Photos



4' excavation area



Viewing Direction: East

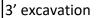
4' excavation



3' excavation









3' excavation



Daily Site Visit Signature

Inspector: Riley Plogger

Signature:



| Client: | XTO Energy Inc. (US) | Inspection Date: | 1/17/2025 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 1/24/2025 3:34 PM |
| Client Contact Name: | Amy Ruth | API #: | |
| Client Contact Phone #: | 432-661-0571 | | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| Summary of Times | | | |

| Summary of Times | | |
|------------------|--------------------|--|
| Arrived at Site | 1/17/2025 8:30 AM | |
| Departed Site | 1/17/2025 12:20 PM | |



Site Sketch

Site Sketch



Field Notes

12:07 Confirmation sampling event

12:07 Collect samples

Next Steps & Recommendations

1 XTO shut down site due to high winds. NMOCD gave us a variance extension to Monday 1-20-25 to continue



Site Photos



BES25-01 to 17 @ 3'







Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

Departed Site

Daily Site Visit Report

1/20/2025 3:07 PM



| Client: | XTO Energy Inc. (US) | Inspection Date: | 1/20/2025 |
|-------------------------|----------------------|------------------|-------------------|
| Site Location Name: | JRU DI 11 Battery | Report Run Date: | 1/24/2025 3:34 PM |
| Client Contact Name: | Amy Ruth | API #: | |
| Client Contact Phone #: | 432-661-0571 | _ | |
| Unique Project ID | | Project Owner: | |
| Project Reference # | | Project Manager: | |
| | | Summary of | Times |
| Arrived at Site | 1/20/2025 8:33 AM | | |



Site Sketch

Site Sketch



Field Notes

15:35 Continue collecting samples for confirmation sampling event

Next Steps & Recommendations

1 Send confirmation samples off to lab for analysis



Site Photos



Confirmation sampling area @ 4'



Confirmation sampling area @ 4'



Confirmation sampling area @ 3'



Daily Site Visit Signature

Inspector: Riley Plogger

Signature:

APPENDIX C – Laboratory Data Report(s) and Chain of Custody Form(s)



December 05, 2024

CHAD HENSLEY

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: JRU DIII BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/27/24 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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/ga/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)

Celey D. Keene

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



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Reported: 12/05/2024

Project Name: JRU DIII BATTERY
Project Number: 23E-04947

Project Location: XTO

Sampling Date: 11/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH 24 - 01 @ 0' (H247288-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.25 | 113 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.17 | 109 | 2.00 | 3.40 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 109 | 2.00 | 2.97 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.52 | 109 | 6.00 | 2.82 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.7 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 23E-04947 Shalyn Rodriguez

Project Location: XTO

Sample ID: BH 24 - 01 @ 2' (H247288-02)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.25 | 113 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.17 | 109 | 2.00 | 3.40 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 109 | 2.00 | 2.97 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.52 | 109 | 6.00 | 2.82 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.0 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 02 @ 0' (H247288-03)

mg/kg

BTEX 8021B

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.25 | 113 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.17 | 109 | 2.00 | 3.40 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 109 | 2.00 | 2.97 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.52 | 109 | 6.00 | 2.82 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg | /kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil
Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact

Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez
Project Location: XTO

Applyzod By: 14

Sample ID: BH 24 - 02 @ 2' (H247288-04)

RTFY 8021R

| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------|---------------------------------|--|---|---|--|---|---|--|
| <0.050 | | | | | , | | Tu D | Qualifier |
| | 0.050 | 12/03/2024 | ND | 2.25 | 113 | 2.00 | 4.29 | |
| <0.050 | 0.050 | 12/03/2024 | ND | 2.17 | 109 | 2.00 | 3.40 | |
| <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 109 | 2.00 | 2.97 | |
| <0.150 | 0.150 | 12/03/2024 | ND | 6.52 | 109 | 6.00 | 2.82 | |
| <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| 100 9 | 6 71.5-13 | 4 | | | | | | |
| mg/ | kg | Analyze | d By: AC | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 112 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| mg/ | kg | Analyze | Analyzed By: MS | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| 82.3 9 | % 48.2-13 | 4 | | | | | | |
| | | | | | | | | |
| F < | mg/ Result <10.0 <10.0 <10.0 | 112 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 | 112 16.0 12/03/2024 mg/kg Analyze Result Reporting Limit Analyzed <10.0 | 112 16.0 12/03/2024 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0 | 112 16.0 12/03/2024 ND 432 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0 | 112 16.0 12/03/2024 ND 432 108 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0 | 112 16.0 12/03/2024 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0 | 112 16.0 12/03/2024 ND 432 108 400 3.64 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0 |

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Analytical Results For:

VERTEX RESOURCE **CHAD HENSLEY** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 23E-04947 Shalyn Rodriguez

Project Location: XTO

Sample ID: BH 24 - 03 @ 0' (H247288-05)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.25 | 113 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.17 | 109 | 2.00 | 3.40 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 109 | 2.00 | 2.97 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.52 | 109 | 6.00 | 2.82 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 03 @ 2' (H247288-06)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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11/26/2024

Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date:

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 04 @ 0' (H247288-07)

mg/kg

BTEX 8021B

| | 9, | 9 | 7 | 7: : | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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11/26/2024

Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date:

Reported: 12/05/2024 Sampling Type: Soil
Project Name: JRU DIII BATTERY Sampling Condition: Cool

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 04 @ 2' (H247288-08)

RTFY 8021R

| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------|--|--|-----------------|--------|------------|---------------|--------|-----------|
| <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| 104 9 | % 71.5-13 | 4 | | | | | | |
| mg/ | 'kg | Analyze | Analyzed By: AC | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 64.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| mg/ | /kg | Analyzed By: MS | | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| 85.4 | % 48.2-13 | 4 | | | | | | |
| 72.6 | % 49.1-14 | 8 | | | | | | |
| | <0.050 <0.050 <0.050 <0.150 <0.300 104 9 mg/ Result 64.0 mg/ Result <10.0 <10.0 <85.4 | <0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 T1.5-13 mg/kg Result Reporting Limit 64.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <40.0 10.0 <40.0 48.2-13 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |

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11/26/2024

Soil

Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Reported: 12/05/2024

mg/kg

Sampling Type: Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 23E-04947 Shalyn Rodriguez

Analyzed By: JH

Sampling Date:

Project Location: XTO

Sample ID: BH 24 - 05 @ 0' (H247288-09)

BTEX 8021B

| DILX GOZID | ıııg, | ng . | Andryzo | u by. 511 | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.4 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 05 @ 2' (H247288-10)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 23E-04947 Shalyn Rodriguez

Project Location: XTO

Sample ID: BH 24 - 06 @ 0' (H247288-11)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.8 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 06 @ 2' (H247288-12)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.4 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 23E-04947 Shalyn Rodriguez

Project Location: XTO

Sample ID: BH 24 - 07 @ 0' (H247288-13)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.8 | % 49.1-14 | 8 | | | | | | |

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11/26/2024

Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024

mg/kg

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Sampling Date:

Project Location: XTO

Sample ID: BH 24 - 07 @ 2' (H247288-14)

BTEX 8021B

| | 9/ | 9 | 7.1.4.7.2 | , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 23E-04947

Project Location: XTO

Sample ID: BH 24 - 08 @ 0' (H247288-15)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 % | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3440 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.7 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 23E-04947 Shalyn Rodriguez

Project Location: XTO

Sample ID: BH 24 - 08 @ 2' (H247288-16)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1860 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.4 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 09 @ 0' (H247288-17)

mg/kg

BTEX 8021B

| | 9, | 9 | 7 | 7: : | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2220 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Reported: 12/05/2024

Project Name: JRU DIII BATTERY
Project Number: 23E-04947

Project Location: XTO

RTFY 8021R

Sampling Date: 11/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH 24 - 09 @ 2' (H247288-18)

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Applyzod By: 14

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 10 @ 0' (H247288-19)

BTEX 8021B

| | <u> </u> | <u> </u> | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1200 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 186 | 93.2 | 200 | 1.74 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 179 | 89.5 | 200 | 0.345 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.8 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 10 @ 2' (H247288-20)

mg/kg

BTEX 8021B

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/02/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/02/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/02/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 11 @ 0' (H247288-21)

BTEX 8021B

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1280 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 11 @ 2' (H247288-22)

RTFY 8021R

| Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD | BIEX 8021B | mg, | / kg | Anaiyze | а ву: ЈН | | | | | |
|--|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Toluene* < 0.050 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Ethylbenzene* <0.050 0.050 12/03/2024 ND 2.20 110 2.00 0.463 Total Xylenes* <0.150 0.150 12/03/2024 ND 6.89 115 6.00 0.432 Total BTEX <0.300 0.300 12/03/2024 ND Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: KV Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyzed By: MS Chloride 112 16.0 12/03/2024 ND 432 108 400 0.00 TH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/03/2024 ND 190 95.1 200 3.63 DRO >C10-C28* <10.0 10.0 12/03/2024 ND 190 95.1 200 3.43 EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND 173 86.6 200 3.43 EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND | Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Total Xylenes* <0.150 0.150 12/03/2024 ND 6.89 115 6.00 0.432 Total BTEX <0.300 | Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Total BTEX <0.300 0.300 12/03/2024 ND Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: KV Analyte Result Reporting Limit Analyzed By: KV Chloride 112 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: KV Analyte Result Reporting Limit Analyzed ND 432 108 400 0.00 Chloride 112 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD RPD GRO C6-C10* < 10.0 10.0 12/03/2024 ND 190 95.1 200 3.63 | Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: KV Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 112 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/03/2024 ND 190 95.1 200 3.63 | Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 112 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/03/2024 ND 190 95.1 200 3.63 DRO >C10-C28* <10.0 10.0 12/03/2024 ND 173 86.6 200 3.43 EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND Surrogate: 1-Chlorooctane 92.5 % 48.2-134 | Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride 112 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: KV | | | | | |
| TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/03/2024 ND 190 95.1 200 3.63 DRO >C10-C28* <10.0 10.0 12/03/2024 ND 173 86.6 200 3.43 EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND Surrogate: 1-Chlorooctane 92.5 % 48.2-134 | Chloride | 112 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| GRO C6-C10* <10.0 10.0 12/03/2024 ND 190 95.1 200 3.63 DRO >C10-C28* <10.0 10.0 12/03/2024 ND 173 86.6 200 3.43 EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND Surrogate: 1-Chlorooctane 92.5 % 48.2-134 | TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| DRO >C10-C28* < 10.0 10.0 12/03/2024 ND 173 86.6 200 3.43 EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND Surrogate: 1-Chlorooctane 92.5 % 48.2-134 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| EXT DRO >C28-C36 <10.0 10.0 12/03/2024 ND Surrogate: 1-Chlorooctane 92.5 % 48.2-134 | GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| Surrogate: 1-Chlorooctane 92.5 % 48.2-134 | DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| | EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148 | Surrogate: 1-Chlorooctane | 92.5 | % 48.2-13 | 4 | | | | | | |
| | Surrogate: 1-Chlorooctadecane | 87.9 | % 49.1-14 | 8 | | | | | | |

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Celeg D. Freene



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 12 @ 0' (H247288-23)

BTEX 8021B

| | 9/ | 9 | 7 | 7 5 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO

Sample ID: BH 24 - 12 @ 2' (H247288-24)

mg/kg

BTEX 8021B

| | <u> </u> | | | | | | | | |
|--------------------------------------|---------------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 % 71.5-13 | | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 12/03/2024 | ND | 432 | 108 | 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 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 23E-04947

Project Location: XTO

Sample ID: BH 24 - 13 @ 0' (H247288-25)

| 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 | 12/03/2024 | ND | 2.19 | 110 | 2.00 | 4.00 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.24 | 112 | 2.00 | 0.856 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.20 | 110 | 2.00 | 0.463 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.89 | 115 | 6.00 | 0.432 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2760 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | 2760 16.0 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 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.2 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 13 @ 2' (H247288-26)

RTFY 8021R

| 31EX 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 | 12/03/2024 | ND | 2.06 | 103 | 2.00 | 3.96 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.14 | 107 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.13 | 107 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.34 | 106 | 6.00 | 3.20 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3400 | 16.0 | 12/03/2024 | ND | 432 | 108 | 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 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celeg D. Freene



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 14 @ 0' (H247288-27)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.06 | 103 | 2.00 | 3.96 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.14 | 107 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.13 | 107 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.34 | 106 | 6.00 | 3.20 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7520 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

VERTEX RESOURCE CHAD HENSLEY 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 11/27/2024 Sampling Date: 11/26/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: JRU DIII BATTERY Sampling Condition: Cool & Intact
Project Number: 23E-04947 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO

Sample ID: BH 24 - 14 @ 2' (H247288-28)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.06 | 103 | 2.00 | 3.96 | |
| Toluene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.14 | 107 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/03/2024 | ND | 2.13 | 107 | 2.00 | 3.23 | |
| Total Xylenes* | <0.150 | 0.150 | 12/03/2024 | ND | 6.34 | 106 | 6.00 | 3.20 | |
| Total BTEX | <0.300 | 0.300 | 12/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 12/03/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/03/2024 | ND | 190 | 95.1 | 200 | 3.63 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/03/2024 | ND | 173 | 86.6 | 200 | 3.43 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.1 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-05 The surrogate recovery is outside of lab established statistical control 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

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °CO. 3-Corrected Temp. °C 0.30

Sample Condition

CHECKED BY:

Turnaround Time:

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp.
| Yes | Yes | Yes | No | No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Thermometer ID #140 Correction Factor -0.5°C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1050

101 East Marland, Hobbs, NM 88240 oratories

| | (575) 393-2326 FAX (575) 393-2476 | 393-2476 | | ANAL | ANALYSIS REQUEST |
|--|--|--|---|---------------------------------|--|
| Company Name: | rester | | BILL 10 | | |
| Project Manager: | Chad Hansley | | P.O. # 214 15+1001 | 001 | |
| 210 | BOYA de | | Company: XTO | | |
| Address: Slova | 0000 | State: J/M Zip: 68220 | | | |
| Phone # 575 | 700-6167 | | Address: SIOY E | 20 | |
| 44440 - 346 - 44447 | | Project Owner: AMY RUTH | city: Carlsbad | | |
| Project #. C / | 1 | | State: N/M Zip: 88770 | | |
| Project Name: 4 | Project Name: JUNE OTTI ZONO | | Phone #: 575-887- 7329 | | |
| Project Location: | Diameter . | | Fax #: | | |
| Sampler Name: | Riley Progger | MATRIX | PRESERV. | SAMPLING | |
| FOR LAB USE ONLY | | ERS /ATER TER | | Lan | |
| Lab I.D. | Sample I.D. | PRAB OR CONTAIN GROUNDW WASTEWA GOIL DIL | SLUDGE OTHER: ACID/BASE OTHER: OTHER: | | |
| 10100 | BU74-01 8 01 | X | 7 11-16-c | 1.004 d' 7d x x x | |
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| 2 | - | | | 9.57 | |
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| 1-1 | - | | | 10:01 | |
| U | 7 20 | | | 10:67 | |
| r | 04 0. | | | 10.13 | |
| × | | | | 0.30 | |
| 0 | 05 | | | P P TE.01 | |
| 0 | A 054 2. | € S | contract or tort, shall be limited to the amount | paid by the client for the | |
| PLEASE NOTE: Liability analyses. All claims include | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remote/ for any claim affising vineure users withing and received by Cardinal within 30 days after completion of the applicable present analyses. All claims including those for negligence and any other crass whatsoever shall be deemed wateved unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other crass whatsoevers shall be deemed wateved unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other crass what analyses with a support of the applicable analyses. All claims including those for negligence and any other crass what are considered and any other crass which are considered and any other crass and any | e remedy for any claim arising whether leads in will be deemed waived unless made in will ages, including without timitation, business interru | ating and received by Cardinal within 30 days phons, loss of use, or loss of profits incurred phons, loss of use. | | |
| affiliates or successors arising Relinquished By: | at shall Cardinal be liable for incidental or consequential damagas, as sors arising out of or related to the performance of services hereunds led By: Date: | of services hereunder by Cardinal, regardless of whether such Date; INCL Received By: | nal, regardless of whether such claim is based upon any of the above stated Received By: | Verbal Result: | Verbal Result: □ Yes □ No Add'I Phone #: Verbal Results are emailed. Please provide Email address: とHCNSIC/ も ver十代 でらい だれたいか |
| of the same of the | | Spa | reguen | R Progger Overtex resource, com | OW |
| Relinquished By: | | Received by: | | HHAZYBEED EREADY + 1. 7 | PHH2/8ECP |
| | Time: | | | +700001 + 11111 | Bostoria (only) Sample Condition |

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com Cool Intact
Pres 1 Yes
No 1 No

C Table 1

5 40 2

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | Relinquished By: | Relinquished By: | PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Ca | 3 | 0 | - Se | 7 | 5 | N- | t | N | نو | | Lab I.D. | FOR LAB USE ONLY | Sampler Name: | Project Location | Project Name: | Project #: 24E-04947 | Phone #: 575 | city: Carls | Address: 3/61 | Project Manager: | Company Name: | |
|---|------------------|------------------|---|--|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|------------------|---------------|------------------|-----------------------------|----------------------|-----------------------|-----------------|---------------|------------------|---------------|-----------------------------------|
| Bus - Other: | | . } | | d Damages. Cardinal's liability a ng those for negligence and any ardinal be liable for incidental or no out of or related to the perform | J 10 | 10 | 09 | 09 | 08 | 09 | F0 | 40 | 1 06 | BHZ4-06 | Sample I.D. | | R. Plogger | n | Project Name: JCM DIIB AHEN | £1640-3 | Phone #: 575-200-6167 | Carlsbad, + | 1 Box dr | : C. Hensley | vertex | (5/5) 393-2326 |
| Corrected Temp. °C 0.30 | Time: | Time: 55 | Date: 77-24 | PLEASE NOTE: Liability and Damagase Cardinal's liability and client's exclusive remotery to any caram eleval witness on our construction of the applicable analyses. All claims including those for negligience and sary other cause whatscover 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, services 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. | 7 7 | 0, | - | - | - | - | - | - | 1 2. | 8 0 | el.D. | | | | 77452 | Project Owner: | Fax #: | State: N M Zip: | 7 | | | (5/5) 393-2326 FAX (5/5) 393-24/6 |
| 000 | | | Rece | deemed wa g without lim | 4 | | | | | | | | _ | _ | (G)RAB OR (C)OMP. # CONTAINERS | | | | | : Amy | | | | × | | 6 |
| Cool Intact Cool Intact A Yes A Yes No No | | Received By: | Received By: | y Claim alsally writeren bassou in content on the transcriber of white freemed warived unless made in writing and received by Cardinal within 30 days a without limitation, business interruptions, loss of use, or loss of profits incurred to without limitation, business interruptions, loss of use, or loss of profits incurred to adding a required content of the shower stated and included upon any of the above stated | J. J. | | | | | | | | | × | GROUNDWATER WASTEWATER SOIL OIL SLUDGE | MATRIX | | | | y Ruth | | 02288 | | | | |
| Unitials) | | mone | 2 | nd received by Cardinal wi loss of use, or loss of pro | dor fort shall be limited to | | | | | | | | _ | | OTHER: ACID/BASE: CE/COOL OTHER: | PRESERV. | Fax #: | Phone #: | State: N/M Zip: 88776 | city: carisbud | Address: 3104 E | Attn: | Company: XT0 | P.O. # 714 | BIL | |
| als) | | 20 | | thin 30 days aft offts incurred by above stated r | the amount of | - | | | - | - | | | - | 17-26-04 | DATE | SAMI | | | Zip: 887 | pmd | | | To | 214757 1001 | BILL TO | |
| Thermometer ID #140 Correction Factor -0.6°C | Incident | REMARKS: | Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address: | ter completion of the client, its subsidiaries easons or otherwise | FI. 21 | 12.05 | h5:11 | th:11 | 11:39 | 42:11 | 11:15 | 11:05 | 10:55 | Sh:01 | | SAMPLING | | | 023 | | Greene | | | 10 | | |
| rID #14 actor -0. | dent | | are ema | e applicable es, e. | 6 | | | | | | | | | × | Chiorice | | | | | | | ¥ | | | | ١ |
| | # | | ☐ Yes ailed. Pl | | < | | | | | | - | | - | * | TPH (GI | 0 | I | 000 | 1 | MI | 50 |) | _ | | 1 | ١ |
| Rush | FAH | | □ No | | - | | F | F | F | F | F | 200 | _ | × | BTex | | | | | | | _ | _ | | 1 | |
| | 7 | | Add'l vide Ema | | H | | | | | | | | | | | | | | | | | | | | ANA | |
| Cool Intact Yes Yes No No | 66 HZ 98 ECH | | Add'I Phone #: Email address: | 1 | | | | | | | | | | | | | | | | | | | | | ANALYSIS REQ | |
| Cool Intact Observed Temp. °C | Sample Condition | | | | | | | | | | | | | | | | | | | | | | | | REQUEST | 104 |

Relinquished By:

75:35 Date: Time:

Received By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C 0.3 Corrected Temp. °C 0. 3

Cool Intact

A Yes A Yes

No No Sample Condition

> CHECKED BY: (Initials)

> > Turnaround Time:

2427862444

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No No Corrected Temp. °C

REMARKS:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

0001



| | (575) 393-2326 FAX (5/5) 393-24/6 | 0 | | | | | | ١ | ١ | | | | 1 | 101 | | |
|------------------------------|---|-----------------------|----------------|---|--|--------------------|--|------------------|--------|----------|----------|----------------|---------|------|---|---|
| Company Name: | Mentex | ď | | | BI | BILL TO | | | | - | A | ANALYSIS | KEWUESI | JES! | | - |
| Project Manager | Project Manager: C. 1+C/\SIC\ | | | | P.O. #: 7/4 | 1001254612 | 00 | | | | - | | | | | |
| Address: 3/0 | 7 | | | | Company: X70 | (70 | | | | | | | | | | |
| city: Carlsbud | bad state: 1/m zip: 88220 | Zip: | 288 | 022 | Attn: | | | |) | | | | | _ | | |
| Phone #: 575 | 00-6167 F | | | | Address: 3/04 E Greene | HE GI | EENE | | Ro | | _ | | | _ | | |
| Project #: 24E-04947 | | 7 | 3 | Ruth | city: CAMSbad | bud | | | M | | _ | | | | | |
| Project Name: JM DI | = | | | | State: /// Zip: 88720 | Zip: 887 | 02 | | 0, | | | | | | | |
| Project I ocation: | | | | | Phone #: | | | | DI | | _ | | | | | |
| | -1 | | | | Fax #: | | | | 0, | | | _ | | _ | | |
| Sampler Name: | K [logge | 1 | ł | - | DDECEDV | SAMP | ING | | 7 | | _ | | | | | |
| FOR LAB USE ONLY | | | | - | PRESERV | OAMPLING | Cind | ice | (01 | | _ | | | _ | | |
| Lab I.D. | Sample I.D. | GRAB OR (C)C | CONTAINERS | NASTEWATER SOIL DIL SLUDGE | OTHER : ACID/BASE: OTHER : | DATE | TIME | Chlori | TPH (| BTex | | | | | | |
| かれるの | DU7U - 11 8 0 | - | _ | * | _ | 12-20-11 | 1-26-24 12:50 | × | × | × | H | | | | | |
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| K_ | - | | | | | | 5h:1 | | - | | - | | Ī | | | |
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| 24 | | _ | | | | | 41.5 | - | - | | - | | | 1 | | |
| 28 | 147 2 | 6 | 4 | 4 | E | (| 42.7 | 4 | 6 | 4 | | | | | | |
| PLEASE NOTE: Liability a | 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 | any claim e deemed | arising waived | whether based in contra unless made in writing a | ct or tort, shall be limite and received by Cardina | d to the amount pa | id by the client for er completion of the | the e applica | ble | | - | | | | | |
| service. In no event shall C | service. In no event shall Cardinal be liable for incidental or consequential damages, noncentral content of the shall be added to the consequential damages, noncentral content of the shall be added to the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any of the above stated reasons or otherwise. The content of the content of the performance of services hereunder by Cardinal Regardless of whether such dam is based upon any of the above stated reasons or otherwise. | Cardinal, | regardle | dinal, regardless of whether such clair Received By: | m is based upon any of | the above stated n | Verbal Result: | sult: | □ Yes | No D | lo Ad | Add'I Phone #: | # | | | |
| Kelinquistied by | h2-42-(1 | - | | | | | All Results are emailed. Please provide Email address: | are er | nailed | Please p | rovide E | mall addin | 000. | | | |

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

Thermome(er ID #140 Correction Factor -0.6°C



February 07, 2025

CHANCE DIXON
VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA, OK 74103

RE: JAMES RANCH UNIT DI 11

Enclosed are the results of analyses for samples received by the laboratory on 01/22/25 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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/ga/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)

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: 24E -04947 Sample Received By: Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 01 @ 3' (H250393-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.7 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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with Sigh



Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 02 @ 3' (H250393-02)

mg/kg

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Fax To: N

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

Sample ID: BES25 - 03 @ 3' (H250393-03)

RTFY 8021R

| BIEX 8021B | mg, | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.1 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

Sample ID: BES25 - 04 @ 3' (H250393-04)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.0 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.4 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 05 @ 3' (H250393-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.6 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.4 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 06 @ 3' (H250393-06)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | < 0.050 | 0.050 | 01/23/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.8 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.7 9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 07 @ 3' (H250393-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.6 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.0 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 08 @ 3' (H250393-08)

mg/kg

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.8 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 09 @ 3' (H250393-09)

mg/kg

| DILX OUZID | mg/ | ng . | Andryzo | u by. 311 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.7 | 2.00 | 3.64 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.02 | 101 | 2.00 | 3.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.96 | 98.1 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.74 | 95.7 | 6.00 | 4.04 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.1 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.2 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 10 @ 3' (H250393-10)

mg/kg

BTEX 8021B

| | <u> </u> | | | • • | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.0 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 11 @ 3' (H250393-11)

| 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 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 % | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.4 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 12 @ 3' (H250393-12)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.1 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil
Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 13 @ 3' (H250393-13)

mg/kg

BTEX 8021B

| | 9/ | 9 | 7 | , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Fax To: N

mg/kg

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 14 @ 3' (H250393-14)

BTEX 8021B

| | 9/ | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

Sample ID: BES25 - 15 @ 3' (H250393-15)

RTFY 8021R

| B1EX 8021B | mg/ | ^и кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.8 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Fax To:

mg/kg

Received: 01/22/2025 Sampling Date: 01/17/2025 Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 16 @ 3' (H250393-16)

| | 9/ | 9 | 7 | , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 17 @ 3' (H250393-17)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.1 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 18 @ 4' (H250393-18)

BTEX 8021B

| BIEX 8021B | mg/ | rky | Allalyze | а ву: эп | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | Analyzed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.4 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/17/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 19 @ 4' (H250393-19)

mg/kg

| | <u> </u> | | | • • | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

01/22/2025 Reported: 02/07/2025

mg/kg

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947

Project Location: XTO

Received:

BTEX 8021B

Sampling Date: 01/17/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: BES25 - 20 @ 4' (H250393-20)

| | 9/ | 9 | 7 | , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 209 | 105 | 200 | 0.708 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 214 | 107 | 200 | 2.38 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Analyzed By: JH

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 21 @ 4' (H250393-21)

| | <u> </u> | | | • • | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg | /kg | Analyze | ed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 74.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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01/20/2025

Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date:

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: BES25 - 22 @ 4' (H250393-22)

| B1EX 8021B | mg, | ^и кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 71.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.6 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: BES25 - 23 @ 4' (H250393-23)

| Result <0.050 <0.050 <0.050 | Reporting Limit 0.050 0.050 | Analyzed 01/23/2025 | Method Blank | BS 1.89 | % Recovery | True Value QC | RPD | Qualifier |
|-----------------------------|--|--|--------------|------------|------------|---------------|--------|-----------|
| <0.050 | | | ND | 1 80 | | | | |
| | 0.050 | 04 /00 /0005 | | 1.05 | 94.5 | 2.00 | 8.37 | |
| < 0.050 | | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| .0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| 111 9 | % 71.5-13 | 4 | | | | | | |
| mg, | 'kg | Analyze | d By: CT | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 112 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| mg, | 'kg | Analyze | d By: ms | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| 76.6 | % 48.2-13 | 4 | | | | | | |
| 74.5 | % 49.1-14 | 8 | | | | | | |
| | <0.300 111 9 mg/ Result 112 mg/ Result <10.0 <10.0 <10.0 | <0.050 0.050 <0.150 0.150 <0.300 0.300 111 % 71.5-13 mg/ky Result Reporting Limit 112 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <76.6 % 48.2-13 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 24 @ 4' (H250393-24)

BTEX 8021B

| BIEX 9021B | mg | кg | Anaiyze | а ву: эп | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.5 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 25 @ 4' (H250393-25)

mg/kg

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 26 @ 4' (H250393-26)

mg/kg

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 67.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 64.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact

Sample Received By: Project Number: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: BES25 - 27 @ 4' (H250393-27)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | < 0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | < 0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 % | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.5 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 28 @ 1' (H250393-28)

mg/kg

BTEX 8021B

| | 9/ | 9 | 7 | 7 5 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 29 @ 1' (H250393-29)

mg/kg

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.89 | 94.5 | 2.00 | 8.37 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.04 | 102 | 2.00 | 7.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.10 | 105 | 2.00 | 7.08 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.35 | 106 | 6.00 | 6.96 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 24E -04947

Project Location: XTO

Sample ID: BES25 - 30 @ 1' (H250393-30)

| 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 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.6 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

Sample ID: BES25 - 31 @ 1' (H250393-31)

RTFY 8021R

| B1EX 8021B | mg/ | кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 67.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.2 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

01/22/2025 Sampling Date: 01/20/2025 Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 24E -04947

Analyzed By: JH

Project Location: XTO

Received:

BTEX 8021B

Sample ID: BES25 - 32 @ 1' (H250393-32)

| BIEX 8021B | mg/ | rky | Allalyze | а ву: эп | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.4 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 24E -04947

Project Location: XTO

Sample ID: BES25 - 33 @ 1' (H250393-33)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | < 0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 % | 6 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.0 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.8 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

mg/kg

01/22/2025 Sampling Date: 01/20/2025 Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E -04947 Alyssa Parras

Analyzed By: JH

Project Location: XTO

Received:

BTEX 8021B

Sample ID: BES25 - 34 @ 1' (H250393-34)

| | | | | <u> </u> | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | 'kg | Analyze | ed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.8 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 35 @ 1' (H250393-35)

BTEX 8021B

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Reported: 02/07/2025

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947

Project Location: XTO

RTFY 8021R

Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BES25 - 36 @ 1' (H250393-36)

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 67.0 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Applyzod By: 14

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 37 @ 1' (H250393-37)

mg/kg

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 69.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 38 @ 1' (H250393-38)

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.4 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil
Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact

Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 39 @ 1' (H250393-39)

mg/kg

| | 9/ | 9 | 7 | 7 5 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 40 @ 1' (H250393-40)

mg/kg

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 95.8 | 200 | 3.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.1 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

mg/kg

Received: 01/22/2025 Reported: 02/07/2025

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947

Project Location: XTO

BTEX 8021B

Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: BES25 - 41 @ 1' (H250393-41)

| | 9/ | 9 | 7111411720 | , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 42 @ 1' (H250393-42)

mg/kg

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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01/20/2025

Soil

Sampling Date:

Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

01/22/2025

Reported: 02/07/2025 Sampling Type:

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

Received:

RTFY 8021R

Sample ID: BES25 - 43 @ 1' (H250393-43)

| B1EX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 24E -04947

Project Location: XTO

Sample ID: BES25 - 44 @ 1' (H250393-44)

| 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 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 5 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: KV | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.1 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

10/10/

Received: 01/22/2025 Reported: 02/07/2025

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947 Project Location: XTO Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BES25 - 45 @ 1' (H250393-45)

RTFY 8021R

| B1EX 8021B | mg, | кg | Апануге | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.5 | % 49.1-14 | 8 | | | | | | |

Applyzod By: 14

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 46 @ 1' (H250393-46)

mg/kg

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 67.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

Sample ID: BES25 - 47 @ 1' (H250393-47)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: ЈН | | | | | |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (P. | ID 104 | % 71.5-13 | 34 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.4 | % 48.2-13 | 34 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.1 | % 49.1-14 | 18 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: BES25 - 48 @ 1' (H250393-48)

mg/kg

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 49 @ 1' (H250393-49)

mg/kg

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.79 | 89.7 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.83 | 91.7 | 2.00 | 10.0 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 9.89 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.75 | 95.8 | 6.00 | 9.51 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025

mg/kg

Reported: 02/07/2025

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947

Project Location: XTO

BTEX 8021B

Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: BES25 - 50 @ 1' (H250393-50)

| | 9/ | 9 | 7 | , | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 126 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

Sample ID: BES25 - 51 @ 1' (H250393-51)

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 126 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025

Reported: 02/07/2025

Project Name: JAMES RANCH UNIT DI 11 Project Number: 24E -04947

Project Location: XTO Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: WES25 - 01 @ 0-3' (H250393-52)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 123 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: WES25 - 02 @ 0-3' (H250393-53)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | < 0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 9 | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.5 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 24E -04947

Project Location: XTO

Sample ID: WES25 - 03 @ 0-3' (H250393-54)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 123 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.3 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: WES25 - 04 @ 0-3' (H250393-55)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 % | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.8 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.0 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: WES25 - 05 @ 0-3' (H250393-56)

| Method Blank ND ND ND ND ND ND ND | BS 2.21 2.17 2.18 6.62 | % Recovery 111 109 109 110 | True Value QC 2.00 2.00 2.00 6.00 | 2.84 0.496 1.09 0.255 | Qualifier |
|--|------------------------------------|--------------------------------|-----------------------------------|----------------------------------|--|
| ND ND ND | 2.17 2.18 | 109 109 | 2.00 2.00 | 0.496 1.09 | |
| ND ND | 2.18 | 109 | 2.00 | 1.09 | |
| ND | | | | | |
| | 6.62 | 110 | 6.00 | 0.255 | |
| ND | | | | | |
| | | | | | |
| | | | | | |
| Analyzed By: CT | | | | | |
| Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| ND | 432 | 108 | 400 | 3.77 | |
| ed By: MS | | | | | |
| Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| ND | 220 | 110 | 200 | 4.22 | |
| ND | 225 | 112 | 200 | 5.62 | |
| ND | | | | | |
| | | | | | |
| | | | | | |
| _ | ND ND | ND 220 ND 225 | ND 220 110 ND 225 112 | ND 220 110 200 ND 225 112 200 | ND 220 110 200 4.22 ND 225 112 200 5.62 |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 24E -04947

Project Location: XTO

Sample ID: WES25 - 06 @ 0-3' (H250393-57)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 125 % | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.1 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.2 9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025

Reported: 02/07/2025

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947 Project Location: XTO

Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: WES25 - 07 @ 0-4' (H250393-58)

RTFY 8021R

| B1EX 8021B | mg/ | кg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 123 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.9 | % 49.1-14 | 8 | | | | | | |

Applyzod By: 14

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil
Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: WES25 - 08 @ 0-4' (H250393-59)

| B1EX 8021B | mg/ | кg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.0 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: WES25 - 09 @ 0-4' (H250393-60)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 119 % | 6 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 220 | 110 | 200 | 4.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 225 | 112 | 200 | 5.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.4 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E -04947 Alyssa Parras

Project Location: XTO

Sample ID: WES25 - 10 @ 0-4' (H250393-61)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 121 9 | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 77.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.1 | % 49.1-14 | 8 | | | | | | |

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01/20/2025

Soil

Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date:

Reported: 02/07/2025 Sampling Type:

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: WES25 - 11 @ 0-4' (H250393-62)

| BIEX 8021B | mg | / kg | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.8 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 24E -04947

Project Location: XTO

Sample ID: WES25 - 12 @ 0-1' (H250393-63)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.1 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 24E -04947

Project Location: XTO

Sample ID: WES25 - 13 @ 0-1' (H250393-64)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 125 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: CT | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.0 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

BTEX 8021B

Sample ID: WES25 - 14 @ 0-1' (H250393-65)

| DILX GOZID | 11197 | - Kg | Alldiyzo | .u by. 511 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 120 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.4 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025

02/07/2025

Project Name: JAMES RANCH UNIT DI 11

Project Number: 24E -04947

Project Location: XTO

Reported:

Sampling Date: 01/20/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: WES25 - 15 @ 0-1' (H250393-66)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|---------------------|--------------------|-----------|-----------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 121 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/23/2025 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | Analyzed 01/23/2025 | Method Blank ND | BS 192 | % Recovery 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.6 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil
Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: WES25 - 16 @ 0-1' (H250393-67)

| BIEX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 122 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO

RTFY 8021R

Sample ID: WES25 - 17 @ 0-1' (H250393-68)

| B1EX 8021B | mg | /кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 123 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 24E -04947

Project Location: XTO

Sample ID: WES25 - 18 @ 0-1' (H250393-69)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.21 | 111 | 2.00 | 2.84 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.17 | 109 | 2.00 | 0.496 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 2.18 | 109 | 2.00 | 1.09 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 6.62 | 110 | 6.00 | 0.255 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 124 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 192 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.3 | % 49.1-14 | 8 | | | | | | |

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01/20/2025

Soil

Sampling Date:

Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103 Fax To: NA

01/22/2025

Reported: 02/07/2025 Sampling Type:

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 24E -04947

Analyzed By: JH

Project Location: XTO

Received:

BTEX 8021B

Sample ID: WES25 - 19 @ 0-1' (H250393-70)

| DILX GOZID | ıııg, | K9 | Andryzo | u by. 511 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.82 | 91.0 | 2.00 | 0.136 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 0.0302 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.88 | 93.9 | 2.00 | 0.00697 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.51 | 91.8 | 6.00 | 0.126 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.3 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | 96.1 | 200 | 2.70 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.0 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

VERTEX RESOURCE GROUP CHANCE DIXON 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103

Fax To: NA

Received: 01/22/2025 Sampling Date: 01/20/2025

Reported: 02/07/2025 Sampling Type: Soil

Project Name: JAMES RANCH UNIT DI 11 Sampling Condition: Cool & Intact
Project Number: 24E -04947 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO

mg/kg

Sample ID: BACKFILL (H250393-71)

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|-----------------|-------------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.82 | 91.0 | 2.00 | 0.136 | |
| Toluene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.94 | 96.9 | 2.00 | 0.0302 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/23/2025 | ND | 1.88 | 93.9 | 2.00 | 0.00697 | |
| Total Xylenes* | <0.150 | 0.150 | 01/23/2025 | ND | 5.51 | 91.8 | 6.00 | 0.126 | |
| Total BTEX | <0.300 | 0.300 | 01/23/2025 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/23/2025 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/23/2025 | ND | 192 | % Recovery 96.1 | True Value QC 200 | 2.70 | Qualifici |
| DRO >C10-C28* | <10.0 | 10.0 | 01/23/2025 | ND | 196 | 98.2 | 200 | 3.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/23/2025 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 71.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Page 73 of 81

101 East Marland, Hobbs, NM 88240

| Company Name | | 24/6 | 2011 | | | | |
|--|---|--|--|---|--|--|-----------------|
| Company Name: VOCTEX | | 70) | BILL TO | , | | ANALYSIS REQUEST | |
| Project Manager: Chud | 4 | | PO # 2147571001 | loal | | | |
| Address: 3/N BOYC | | | Company: XTo | | | | |
| city: carisbad | bold State: UM | Zip: | Attn: | | 0) | | _ |
| Phone #: 57 | 361-9039 F | | Address: 3104 Greene | Sussail | 1R | | |
| Project #: 84E-04947 | 4 | er Amy Ruth | city: Cansbad | | N | | |
| Project Name: | 200 | = | State: NM Zip: 88 220 | 022 | 0, | | |
| Project Location: | т. | | Phone #: 575-887-7379 | 7-7379 | 21 | | |
| Sampler Name: | Sampler Name: Rilly Plogyer | | Fax #: | |), ī. | | |
| FOR LAB USE ONLY | | P. MATRIX | PRESERV. SAI | SAMPLING | 000 | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: OTHER: OTHER: | Enjoria | TPH (G BTex | | |
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| PLEASE NOTE: Liability and Damages, analyses, All claims including those for ra- pervice, in no event shall Cardinal be liab affiliates or successors arising out of or ra- | Cardinal's liabi regligence and ble for incidenta stated to the or | illy 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 any other cause whatsoever shall be deemed waived unless made in writing and received by Cardina within 30 days after completion of the a low casequental damages, including without limitation, business interruptions, lose rouse of use, or to soci for post incurred by client, its subsidiaries formance of services hereigned in the above stand reactions or otherwise. | or tort, shall be limited to the amount of received by Cardinal within 30 days a loss of use, or loss of profits incurred by the about stated in the about stated in the same of the about stated in the same of the same stated in the same stat | paid by the client for the siter completion of the applicable y client, its subsidiaries. | | | - |
| Relinquished By: | | Received By: | ,, | | Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address: | Add'I Phone #: de Email address: | |
| Relinquished By: | | Received By: | | REMARKS: | | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C | Sample Condition Cool Intact Dives Dives | on CHECKED BY: (Initials) | Turnaround Time: Thermometer ID #140 Correction Factor -0.6°C | Standard Rush | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C | tion emp. °C |

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

| 100 | | BII | BILL TO | | | TEST |
|--|---|--|--|--|---------------------------------------|--|
| | | # DIC | DIET IO | | ANALISIS KEW | XECORO! |
| Address: | | pan | 70 | | | |
| State: | Zip: | Attn: | | ١ | | |
| hone #: Fax #: | | Address: | | 20 | | |
| Project #: 34E-04947 Project Owner | Project Owner: Amy Ruth | City: | | m) | | |
| anch | DI | State: Z | Zip: | 2, 1 | | |
| Project Location: | | Phone #: | | าก | | |
| Sampler Name: R. 710996 | | Fax #: | | , [| | |
| | MATRIX | PRESERV. | SAMPLING | | | |
| Lab I.D. Sample i.D. | (G)RAB OR COMB # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: OTHER: | DATE TIME | Chloride TPH (G | | |
| BES25-11 8 | × | × | 1-17-25 10:57 | × | | |
| <u></u> | | | 11:02 | _ | | |
| - Ti | | | 11:07 | | | |
| + | | | 11:11 | | | |
| 16 | | | 11:30 | | | |
| 1 A | | | 11:34 | | | |
| 19 19 4 | v | | 11:39 | | 1 | |
| iability and client and any other cau antal or consequ | iny claim arising whether based in contrac deemed waived unless made in writing ar g without limitation, business interruptions | t or tort, shall be limited to the nd received by Cardinal within loss of use, or loss of profits it | e amount paid by the client for the 130 days after completion of the a incurred by client, its subsidiaries, | the ne applicable ries, | | |
| elinquished By: Date: Time; Date: Date: | Date: Received By: Time: Spo Output Date: Received By: | in and in file the | Verbal Results All Results are REMARKS: | Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address: REMARKS: | o Add'l Phone #: ovide Email address: | |
| Time: Delivered By: (Circle One) Observed Temp. °C | | ion CHECKED BY: | | | | Sample Condition |
| ampler - UPS - Bus - Other: Corrected Temp. °C | Sample Condition Cool Intact Aves Tyes | | s) Thermometer ID #140 | er ID #140 | 180 | Bacteria (only) Sample Condition Cool Intact Observed Temp, °C Yes Yes |

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Delivered By: (Circle One) | Relinquished By: | T 11 | analyses. All claims including service. In no event shall Card affiliates or successors arising | PLEASE NOTE: Liability and Damages | 23 | B)- | 3 | 36 | 200 | Se | 23 | ي | Lab I.D. | FOR LAB USE ONLY | Sampler Name: | Project Location: | Project Name: | Project #: 241 | Phone #: | City: | Address: | Project Manager: | Company Name: | |
|--|------------------|--|---|---|--------|--------|---------|-------|-------|-------|---------|--------------|---|------------------|---------------|-------------------|---------------|----------------|----------|--------|------------|------------------|---------------|-----------------------------------|
| cle One) | | + | is including those for negligence and any nt shall Cardinal be liable for incidental or sors arising out of or related to the perfor | Cardinal's liabilit | | | | | + | | _ | BESAS- | Sample I.D. | | | | Sames Ra | E-04947 | | | | | Mertox (| (575) 393-232 |
| Observed Temp. °C | Date: | | y other cause whatsoever shall by consequental damages, include rmance of services hereunder by | Ø | 1 x 62 | , X 82 | * ih 23 | 200 | 4 78 | 23 4 | 38 / Y' | 1 B 16 | le I.D. | | | | Ranch unit I | | Fax #: | State: | | | BII to XTO | (575) 393-2326 FAX (575) 393-2476 |
| Sample Condition Cool Intact | Received By: | Received By: | analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived invited by the control that a service. In no event shall 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 completions (it is service. In no event shall Cardinal be liable for incidental or consequental damages, including without irrutation, 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. | ve remedy for any claim arising whether based in confract or tort, shall be limited to the amount | | | | | | | - | - × | (G)RAB OR COMP # CONTAINERS GROUNDWATER WASTEWATER SOIL | MATRIX | | | DI 11 | er: Amy Ruth | | Zip: | | | o' | 2476 |
| ition CHECKED BY: | | | and received by Cardinal with s, loss of use, or loss of profit im is based upon any of the a | sct or fort shall be limited to the | | | | | | | | | SLUDGE OTHER: ACID/BASE: OTHER: | PRESERV. | Fax #: | Phone #: | State: Z | City: | Address: | Attn: | Company: X | hle # 0'4 | BILL | |
| DBY: Turnaround Time: | REMARKS: | | in 30 days after completion of the s incurred by client, its subsidiarie bove stated reasons or otherwise | OC:11 A | 81:11 | 11:15 | 10:59 | 10:55 | 10:50 | 10:41 | 1 10:37 | -do-25 10:33 | DATE TIME | SAMPLING | | | Zip: | | | | ×70 | 100/2St | L 70 | |
| nd Time: | C* | s are en | the applicable aries, isse. | 4 | | | | - | | | 7 | × | Chloride | | | | | | | | | | | |
| | E. | ☐ Yes nailed. F | 6 | 4 | | | | | + | | - | × | TPH (G | , | 0, | ۵ | 101 | n | 18 | (0) | | | | |
| Standard Rush | uston | Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address: | | < | | | | | + | | - | × | BTex | | | | | | | | | | | |
| K | 4 5 | Add'I P | | | | | | | | | | | | | | | | | | | | | ANAL | |
| Bacteria (only) (| ngula. | Add'l Phone #: Email address: | | | | | | | 5. | | | | | | | | | | | | | 1 | ANALYSIS REC | |
| Bacteria (only) Sample Condition Cool Intact Observed Temp. °C | stiel ? | 41 | | | | | | | | | | | | | | | | | | | | | REQUEST | |

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

| A Land | 3.0 | | 1 | | | | | | | | | | |
|--|--|--|--|--|--|---|--|-----------------|---------------------|----------|---------|---------------------------------|----------------------------------|
| Project Manager | XALION | (Bill to X | 0 | | | BILL TO | | - | 1 | 1 | ANA | ANALYSIS REQUEST | ST |
| Addross: | | | | | F.O. #: 01 | 917 to 100 | 100 | 1 |) | | | | |
| 2 | | L | | | company: | 0/0 | | | 20 | _ | | | |
| City. | | State: | ZID: | | Attn: | | | | <u>n</u> | | | | |
| Phone #: | | Fax #: | | , | Address: | | | | * | _ | | | |
| Project #: 24 | thbho- 3he | Project C | An | ny Ruth | City: | | | _ | 0, | | | | |
| Project Name: | James Ru | Ranch Unit DI | = | | State: | Zip: | | |) (| | | | |
| Project Location: | Ħ | | | | Phone #: | | | \$ | L | | | | |
| Sampler Name: | | | | | Fax #: | | | | 0/ | | | _ | |
| FOR LAB USE ONLY | | | >. | MATRIX | PRESERV. | SAMPLING | LING | | 70 | | | | |
| Lab I.D. | Sam | | (G)RAB OR (C)OME # CONTAINERS | GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: LEG/COOL OTHER: | DATE | TIME | Chloride | TPH(C | BTex | | | |
| N CM | BESAS | - 31 8 31 | _ | × | | 1-20-25 | 11:33 | × | × | × | | | |
| 8 | | 30 | | | | - | 11:25 | | | | | | |
| 200 | | 200 | | | | - | 62:11 | | | | | | |
| 8 | | 28 | | | | | 11.38 | | | | | | |
| 3 | | 36 | | | | | 11:42 | | | | | | |
|)d | | 12 | | | | | 11:46 | | | | | | |
| 200 | | 885 | | , | | + | 18.11 | | | | | | |
| 4/0 | + | 0- | J. U. | ¢ | < | - | 11;59 | | 4 | | | | |
| analyses. All claims including service. In no event shall Can efficiates or successors arising | ding those for negligence and Cardinal be liable for incident sing out of or related to the pe | analyses. All claims including those for negligence and any other cause whatboever 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 demages, including without limitation, business interruptions, loss of use, or joss of profits incurred by client, its substantial service. | y claim arising eemed waived without limitati irdinal, regard | we rennedy for any claim arising whether based in contract or fort, shall be tacever shall be deemed walved unless made in writing and received by Car mages, including without limitation, business interruptions, loss of use, or lo is hereunder by Cardinal, regardless of whether such claim is based upon a | r lort, shall be limited to received by Cardinal wi as of use, or loss of pro based upon any of the | ed to the amount paid al within 30 days after forofits incurred by clicing the above stated rose. | by the client for the completion of the a ent, its subsidiaries, sons or otherwise | pplicable | | | | | |
| Relinquished By: | 1 | Date: - aa a s - fime: -6ao | | Received By: | | | Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: | lt: re emaile | ☐ Yes iled. Plea | □ No | Add'I P | Add'l Phone #: e Email address: | |
| Relinquished By: | | Date: Time: | Recei | Received By: | | | REMARKS: | 5¢ | aut | ustone | 1 5 | Gusted | Depth |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | cle One) us - Other: | Observed Temp. °C \$ 3 C | 2 | Sample Condition Cool Intact | n CHECKED BY: | | Turnaround Time: | Time: | Star | Standard | | S | mple Condition Observed Temp. °C |
| ounding - or o - o | us - Oulei. | Corrected remp. C | 77 | Lares Lares | Pi | J | Thermometer ID #140 | D #140 | | - | | ☐ Yes ☐ Yes | |

Corrected Temp. °C

| 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 | | |
|--|-----------------|------------------|
| Company Name: vertex (Bil) to x70) | BILL TO | ANALYSIS REQUEST |
| Project Manager: | 100/25/hR # 0.4 | |
| Address: | Company: X70 | |
| City: State: Zip: | Attn: | |
| Phone #: Fax #: | Address: | Bc |
| Any Binth | | n - |

| | vertex (Bill to x70) | BILL TO | ANALYSIS REQUEST | |
|--|--|---|---|--|
| Project Manager: | | P.O.# 214757100 | | |
| Address: | | Company: X70 | | |
| City: | State: Zip: | Attn: | | |
| Phone #: | | Address: | Bc | |
| Project #: 246-04917 | Project Owner: Amy Rush | City: | m | |
| Project Name: James | anch | State: Zip: | 0, 1 | |
| Project Location: | | Phone #: | Dr. | |
| Sampler Name: | | Fax #: | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | | |
| Lab I.D. Sa | ole I.D. | OTHER: ACID/BASE: OTHER: OTHER: | TPH (G | |
| 4) BES35- | 1 8 8 1 × | \$2-05-1 × | × | |
| \$ | 43 | 1 | 9 1 1 | |
| 5 | S.P. | 2 | | |
| 45 | Sh | 12:33 | | |
| 46 | ** | 12:37 | 45 | |
| - X | 48 | Sh:21 | | |
| 49 | yq // | 12:53 | 33 | |
| LEASE NOTE: Liability and Damages. Cardinal's liability and nalyses. All claims including those for negligence and any oth | LEASE 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 native of the client for the policiable of the angular paid by the client for the native of the policiable of the angular paid and received by Cardinal within 30 days after completion of the applicable | xd or tort, shall be limited to the amount paid by the client for the art received by Cardinal within 30 days after completion of the a | of the applicable | |
| Relinquished By: | Date: Received By: Time: | ed upon any of the above stated rea | sons or otherwise. Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: | |
| telinquished By: | Date: Received By: | REM | Changes to 2/7/25 | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C Sample Condition Cool Intact Corrected Temp. °C 3-7 Cool Intact Corrected Temp. °C 3-7 Cool Intact Cool Inta | CHECKED BY: (Initials) | Bacteria (on Cool Intact | |
| | | | クラファ | |

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

| 73 8 | ### BILL TO P.O. #: 3147571001 Company: X70 Attn: Address: City: State: Zip: Phone #: Fax #: PRESERV. SAMPLING | Gro, Dro, MRO) |
|---|---|--|
| G)RAB OR C)OMD # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | SLUDGE OTHER: ACID/BASE ICE/COOL OTHER: DATE | Chlorid TPH LC BTex |
| MES92 - 01 9 0-3 | 42:1 41:1 10:1 52-02-1 × | x x |
| ¥ 5 5 6 j | 1:49 1:48 1:48 | |
| | | |
| Damages. Cardinat's lability and client's exclusive remedy for any gitness for negligence and any other cause whatsoever shall be de- duced for negligence and any other cause whatsoever shall be de- tributed for incidental or consequental damages, including a caul of or related to the performance of services hereunder by Cau | act or fort, shall be limited to the amount paid by the client for the and received by Cardinal within 30 days after completion of the applicable is, foss of use, or loss of profits incurred by client, its subscitarios, im a based upon any of the above statiled reasons or otherwise. | the discontinuous discontinuou |
| Received By: Date: Received By: 1-23-35 | Verbal Result: All Results are REMARKS: | Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: ** **CUS+ 5 Mex 3 Mex 3 Mex 4 M |
| Delivered By: (Circle One) Observed Temp. °C Cool Intact Sampler - UP3 - Bus - Other: Corrected Temp. °C ONIN-2006 C 3 3 200-2012 | ition CHECKED BY: Turnaround Time: (Initials) Solution CHECKED BY: Turnaround Time: (Initials) Thermometer ID #1 Correction Factor -0 | 60 |
| accept | changes. Please email changes to c | elev keene@cardinallah |

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Vertex (Bil to X70) | | BILL TO | | ANALYSIS REQUEST |
|---|--|--|--|--|
| Project Manager: Chat Hensity | ام | 54 hlb # 0 | 0 | |
| | C | × | | |
| State: Zip | | Attn: | 0) | |
| Phone #: Fax #: | A | Address: | R | |
| 0 | AMY RUMS | City: | r | |
| roject Name: James Ranch unit C | 1 7 | State: Zip: |), | |
| | P | # |)^(| |
| Sampler Name: Riky Plogger | F | Fax #: | D | |
| | MATRIX | PRESERV. SAMPLING | de | |
| Sample | # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | Cniorio TPH(G BTEX | |
| # 01 - SPS3M | × | 1-20-25 2 | X X X bt:2 | |
| 18.0 21 Est | | 44 | 32 | |
| | | .2 | 338 | |
| 63 | | 2 4 | 2:43 | |
| 7 0 | | ron | 92.50 | |
| and Damages, Cardinal's liability a dring those for negligence and any Cardinal be liable for negleptial or | I insing whether based in contract or both waived unless made it writing and received the property of the prop | shall be limited to the amount paid by the world by Carolinal within 30 days after comply with the comply and the complete and the comple | 3:09 V V V by the client for the completion of the applicable | |
| N | Received By: | Vert | All Results are emailed. Please provide Email address: All Results are emailed. Please provide Email address: | Add'I Phone #: v/ide Email address: |
| elinquished By: Date: Rec | Received By: | REN | REMARKS: * Customer. | reguesi |
| (Circle One) | 0 00 | CHECKED BY: Turn (Initials) | Turnaround Time: Standard | Bacteria (only) Sa Cool Intact |
| ampier - UPS - Bus - Other: Corrected Temp. °C 8 7 2 | No No | 4 | Thermometer ID #140 Correction Factor -0.5°C D4 5 | - |

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Vertex (Rill to X70 | | BILL TO | SISA IVNV | SIS BEOLIEST |
|--|--|---|----------------------------|---|
| Hensky | P.O. #: | 1001454116 | | |
| Address: | Company: X70 | ×70 |) | |
| City: State: | Zip: Attn: | | BC | |
| Phone #: Fax #: | Address: | | M | |
| Project #: 24E-04947 Project Owner | Kuta | | _ / | |
| Project Name: James Ranca uni+ DI | = | Zip: | 70 | |
| Project Location: | | | Dr | |
| Sampler Name: RICY 70994 | Fax #: | | 01 | |
| FOR LAB USE ONLY | | SAMPLING | | |
| Sample I.D. | # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE | DATE TIME | Chlorice TPH (C BTex | |
| Backeill | · v | | × × | |
| | | | | |
| en Per | | | | |
| analyses. All claims including those for negligence and any other cause who service in no awent shall Cardinal be liable for incidental or consequental distillates or successors arising out of or related to the performance of service. | sear remeny ou any casm arasag anteriet passed in contract or tort, shall be finited of atsoewer shall be deemed welved unless made in writing and received by Cardinal wa arreages, including without limitation, business interruptions, loss of uses, or loss of prior as hereunder by Cardinal, regardless of whether such claims is based upon any of the terreunder by Cardinal. | contract a tart, shall be intribed to the amount paid by the client for the fitting and received by Cardinia within 30 days after completion of the app plipins, loss of use, or loss of profits inpurried by client, its subsidiaries, It claim? is beised upon any of the above stated reasons or otherwise. | licable | |
| Relinquished By: | Received By: | Verbal Result: | Verbal Result: | ress: |
| Time: | | | | |
| Sampler - UPS - Bus - Other: Corrected Temp. °C, 3:3:0 | 3.3 Cool Intact (Initials) | ID BY: Turnaround Time: als) Thermometer ID #140 Correction Factor -0.6°C | Standard Rush | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C |

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

| Company Name | Company Name: Vertex (Direct Bill To XTO) | To XTO) | | | | | | | | | | | | ħ | BILL | L 70 | | | | | Þ | NA | YSI | ANALYSIS REQUEST | | TS | | | |
|---|---|---|----------------------------|----------------------------|-------------------|-----------------|--------------------------|-------------------|------------------|--------------------------|-------------|--------------------------|------------|-----------------|------------------|--|---|---------------------------|--------------------------------|--|---------------------------------------|--|------------------|--------------------|-------------------|------------------|----------------------------------|----------------|----------|
| Project Manager: | r: Chad Hensley | | | | | | | | | | P. | P.O. #: | #: | N | 214 | 2147571001 | 1 | | | | | | | | | | | | |
| Address: | | | | | | | | | | | ဂ္ဂ | ĕ | an | Ϋ́ | Company: XTO | 0 | | | | | | | | | | | | | |
| City: | | State: | Zip: | Ö | | | | | | | ₽ | Attn: | | | | | | | | | | | | | | | | | |
| Phone #: | | Fax #: | | | | | | | | | ξ | Address | SSe | | | | | | | | | | | | | | | | |
| Project #: 24 | 24E-04947 | Project Owner: | | Amy Ruth | Ϋ́F | ũ | 7 | | | | City: | ₹ | | | | | | | | | | | | | | | | | |
| -Project Name: م | Project Name: James Ranch Unit DI 11 | DI 11 | | | | | | | | | St | State: | | | N | Zip: | | | | | | | | | | | | | |
| Project Location: | n: | | | | | | | | | | Pγ | Phone #: | е# | | | | | | | | | | | | | | | | |
| Sampler Name: Riley Plogger | Riley Plogger | | | | | | | | | | Fa | Fax #: | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | < | MATRIX | R | | | P | PRESERV | S | | SAMPLING | LING | | | | | | | | | | | | |
| | | |)OMP. | | | | | | | | | | | | | | | es | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | . D | (G)RAB OR (C | # CONTAINER | GROUNDWAT | | WASTEWATE | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER: | OTHER. | DATE | TIME | Chlorid | TPH | BTEX | | | | | | | | | |
| | BES25 - 28 @ 1 | 1' | Ω | | | | | × | | | | | × | ^ | , | 1/20/25 | 11:15 | × | × | × | | | | | | | | | |
| | BES25 - 29 @ | 1' | Ω | _ | | | | X | | | | | × | _ | _ | 1/20/25 | 11:18 | × | × | × | | | | | | | | | |
| | BES25 - 30 @ ' | → | Ω | _ | | | | × | | | | | × | ^ | | 1/20/25 | 11:20 | × | × | × | | | | | | | | | |
| | BES25 - 31 @ | 7 | Ω | _ | _ | | | × | | | | | × | | | 1/20/25 | 11:22 | × | × | × | | | | | | | | | |
| | BES25 - 32 @ 1 | | Ω | | | | | × | | | | | × | | ١. | 1/20/25 | 11:25 | × | × | × | | | | | | | | | |
| | BES25 - 33 @ 1' | | Ω | _ | | | | × | | | | | × | | ١. | 1/20/25 | 11:29 | × | × | × | | | | | | | | | |
| | BES25 - 34 @ 1' | | Ω | _ | | | | × | | | | | × | <u> </u> | | 1/20/25 | 11:34 | × | × | × | | | | | | | | | |
| | BES25 - 35 @ 1' | | Ω | _ | Е | | | × | | | | | × | | | 1/20/25 | 11:38 | × | × | × | | | | | | | | | |
| | BES25 - 36 @ 1' | | Ω | _ | _ | | | × | | | | | × | | _ | 1/20/25 | 11:42 | × | × | × | | | | | | | | | |
| | BES25 - 37 @ 1' | | Ω | _ | | | | × | | | | | _ | $\hat{}$ | _ | 1/20/25 | 11:46 | × | × | × | | | | | | | | | |
| LEASE NOTE: Liability a nalyses. All claims includervice. In no event shall C | **LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the malyses. 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 envice. 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, | client's exclusive remedy for a rer cause whatsoever shall be nsequental damages, including | any cla deem g witho | im ari ed wa out lim | sing v lived u | wheth unless | er ba s mac siness | sed in le in v | vritin ruptio | tract g and ons, I | or tor | t, sha lived f use | or la | irdina ss of | d to t l with | he amount paid I in 30 days after on s incurred by click | by the client for the completion of the ont, its subsidiarie | ne applicable ss, | | | | | | | | | | | |
| Relinquished By: | Received By: Verbal Res | Date: | χ, | Received By: | ive | Q E | š | | | | | | | ŀ | | | Verbal Result: ☐ Yes ☐ No | ult: are em | □ Yes ıailed. ∣ | □ No Please pr | o A | Add'l Phone #: de Email addres | hone il add | #: ress: | | | | | |
| | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | × | Date: | | Received By: | ive | <u>о</u> | Š | | | | | | | | | | REMARKS: CoC was filled out in error. Samples BES25-28 through BES-51 and WES25-11 through WES25-19 were labeled incorrectly. Samples depths adjusted to depict correct depth of sampling depict correct depth of sampling. | throug | as filled h WES: correct | CoC was filled out in error. Samp through WES25-19 were labeled depict correct depth of sampling. Chad He | error. S ere lab f samp Char | ror. Samples BE re labeled Incorre sampling. Chad Henslev | s BES correc | 25-28 t tly. Se | throug: imples | h BES- depths | 51 and adjust | WES2: ed to | 5-11 |
| Delivered By: (C | (Circle One) | Observed Temp. °C | ł | | | ာ ဖွ | Sample Condition | <u></u> | e Condi | 수 를 | 9 | | Ω | 亨前 | ECKED I | BY: | Turnaround Time: | Time: | . (0 | Standard Rush | a □□ |) — | Bacte | Bacteria (on | ly) Sai | nple C | Bacteria (only) Sample Condition | ກັສ | |
| Sampler - UPS - Bus - Other: | | Corrected Temp. °C | | | | | UU; | Nes : | | No Yes | . 0, | | | 1 | | | Thermometer ID #113 Correction Factor -0.5°C | r D #1 actor -0 | | | | | □□ v es □□ | □□ No | | orrecte | Corrected Temp. °C | r i | |
| | | | | | | | ı | ı | | ı | ı | ı | ı | | | | | | | | | | | | | | | | |

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

| Company Name: | Company Name: Vertex (Direct Bill To XTO) | | | | | k | BILL TO | | | | | A۱ | ANALYSIS | | SEQ (| REQUEST | | |
|---------------------------------|---|-------------------|----------------------|--|-----------------------|---------------------|--|--|----------------|----------------------------|---------|----|-----------------|-------|--------------|---------|--|---|
| Project Manager: | " Chad Hensley | | | P. | P.O. #: | | 2147571001 | 1 | | | | | | | | | | |
| Address: | | | | C | omp | any: | Company: XTO | | | | | | | | | | | |
| City: | State: | Zip: | | At | Attn: | | | | | | | | | | | | | |
| Phone #: | Fax #: | | | Ac | Address: | SS: | | | | | | | | | | | | |
| Project #: 24E | 24E-04947 Project Owner: | | λΨ | Amy Ruth ci | City: | | | | | | | | | | | | | |
| Project Name: ا | Project Name: James Ranch Unit DI 11 | | | St | State: | | Zip: | | | | | | | | | | | |
| Project Location: | - | | | | Phone #: | # | | | | | | | | | | | | |
| Sampler Name: Riley Plogger | Riley Plogger | | | Fa | Fax #: | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | PR | PRESERV | V. SAMPLING | LING | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | ACID/BASE: | ICE / COOL | OTHER: | TIME | Chlorides | TPH | BTEX | | | | | | | |
| | BES25 - 38 @ 1' | Q | _ | × | | X | 1/20/25 | 11:51 | × | × | × | | | | | | | |
| | BES25 - 39 @ 1' | Ω | _ | × | | Χ | 1/20/25 | 11:54 | × | × | × | | | | | | | |
| | BES25 - 40 @ 1' | Ω | _ | × | | X | 1/20/25 | 11:59 | × | × | × | | | | | | | |
| | BES25 - 41 @ 1' | Ω | _ | × | | Χ | 1/20/25 | 12:04 | X | × | × | | | | | | | |
| | BES25 - 42 @ 1' | Ω | _ | × | | × | 1/20/25 | 12:19 | × | × | × | | | | | | | |
| | BES25 - 43 @ 1' | Ω | _ | × | | × | 1/20/25 | 12:24 | × | × | × | | | | | | | |
| | BES25 - 44 @ 1' | Ω | _ | × | | × | 1/20/25 | 12:29 | × | × | × | | | | | | | |
| | BES25 - 45 @ 1' | Ω | _ | × | | × | 1/20/25 | 12:33 | × | × | × | | | | | | | |
| | BES25 - 46 @ 1' | Q | _ | × | | × | 1/20/25 | 12:37 | × | × | × | | | | | | | |
| | BES25 - 47 @ 1' | Ω | 1 | × | | X | 1/20/25 | 12:41 | X | × | × | | | | | | | |
| PLEASE NOTE: Liability and | PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the | ny claim | า arisin | ng whether based in contract or to | rt, shall | be limit | ed to the amount paid | by the client for the | е | | | | | | | | | |
| lalyses. All claims includin | 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. | deemed withou | d waive t limitat | ed unless made in writing and recution, business interruptions, loss o | eived by of use, o | Cardin or loss o | al within 30 days after f profits incurred by cli | completion of the ent, its subsidiaries | applicab s, | ē | | | | | | | | |
| affiliates or successors arisin | 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. | ardinal | , regard | dless of whether such claim is ba | sed upo | n any o | f the above stated reas | sons or otherwise. | | \ \ \ \ \ \ | | | | ŧ | | | | _ |
| Relinquished By: | r: Date: | ٦ e | Celv | Received By: | | | | Verbal Result: | ult: | □ Yes | □ No | | Add'I Phone #: | ne #: | | | | |

| affiliates or successors arising out of or related to the performance | of services hereunder by Ca | 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 | asons or otherwise. |
|---|-----------------------------|--|--|
| Relinquished By: | Date: | Received By: | Verbal Result: ☐ Yes ☐ No |
| | | | All Results are emailed. Please provide Email address: |
| | Time: | | |
| Relinquished By: | Date: | Received By: | REMARKS: CoC was filled out in error. Samples BES25-28 through BES-51 and WES25-11 through WES25-19 were labeled incorrectly. Samples depths adjusted to |
| | Time: | | depict correct depth of sampling. Chad Hensley |
| Delivered By: (Circle One) | Observed Temp. °C | Sample Condition CHECKED BY: | Turnaround Time: Standard 🔲 Bacteria (only) Sample Condition |
| | | Cool Intact (Initials) | Rush Cc |
| Sampler - UPS - Bus - Other: Col | Corrected Temp. °C | ☐ Yes ☐ Yes ☐ No ☐ No | Thermometer ID #113 ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ No ☐ No ☐ Corrected Temp. °C |
| FURMI-006 K 3.2 10/07/21 | | |) .: .: . |

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Vertex (Direct Bill To XTO) | rect Bill To XTO) | | | | | | BII | BILL TO | | | | | ANA | ANALYSIS | | EQU | REQUEST | Ι΄ | | | | _ |
|---|---|---|---|--|-----------|--|---|--|---|-----------------------|-----------|------------------------------------|----------|----------------|--------|-------|---------|------|-------|-------|------------|---|
| Project Manager: Chad Hensley | lensley | | | | | P.O. #: | | 2147571001 | 1 | | | | | | | | | | | | | |
| Address: | | | | | | Com | Company: XTO | 0 | | | | | | | | | | | | | | |
| City: | State: | Zip: | | | | Attn: | | | | | | | | | | | | | | | | |
| Phone #: | Fax #: | | | | | Addı | Address: | | | | | | | | | | | | | | | |
| Project #: 24E-04947 | Project Owner: | | Amy Ruth | | | City: | | | | | | | | | | | | | | | | |
| Project Name: James Ranch Unit DI 11 | ch Unit DI 11 | | | | 10 | State: | | Zip: | | | | | | | | | | | | | | |
| Project Location: | | | | | | Pho | Phone #: | | | | | | | | | | | | | | | |
| Sampler Name: Riley Plogger | er | | | | | :# Fax | # | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | 8 | MATRIX | | 70 | PRESERV. | SAMPLING | LING | | | | | | | | | | | | | _ |
| | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS GROUNDWATER WASTEWATER | SOIL OIL | SLUDGE | OTHER: | ACID/BASE: ICE / COOL OTHER : | DATE | TIME | Chlorides | TPH | BTEX | | | | | | | | | | |
| BES25 - 48 | 48 @ 1' | О | | × | | | × | 1/20/25 | 12:45 | × | × | × | | | | | | | | | | |
| BES25 - 49 | 49 @ 1' | Ω | | × | | | × | 1/20/25 | 12:52 | × | × | × | | | | | | | | | | |
| BES25 - 50 | 50 @ 1' | Ω | | × | | | × | 1/20/25 | 12:56 | × | × | × | | | | | | | | | | |
| BES25 - 51 | 51 @ 1' | U | | × | | | × | 1/20/25 | 1:01 | × | × | × | | | | | | | | | | |
| WES25-11 @ (0-4) | 1 @ (0-4)' | Ω | | × | | | × | 1/20/25 | 2:25 | × | × | × | | | | | | | | | | |
| WES25-12 @ (0-1) | 2 @ (0-1)' | Ω | | × | | | × | 1/20/25 | 2:32 | × | × | × | | | | | | | | | | |
| WES25-13 @ (0-1) | 3 @ (0-1)' | Q | <u> </u> | × | | | × | 1/20/25 | 2:35 | × | × | × | | | | | | | | | | |
| WES25-14 @ | . @ (0-1)' | Ω | | × | | | × | 1/20/25 | 2:39 | × | × | × | | | | | | | | | | |
| WES25-15 @ (0-1) | 5 @ (0-1)' | Ω | | × | | | × | 1/20/25 | 2:43 | × | × | × | | | | | | | | | | |
| WES25-16 @ (0-1) | @ (0-1)' | С | 1 | × | | | × | 1/20/25 | 2:48 | × | × | × | | | | | | | | | | _ |
| ************************************** | it's liability and client's exclusive remedy for an ce and any other cause whatsoever shall be d cidental or consequental damages, including the performance of services hereunder by Co | y claim eemed without urdinal, | arising whether bas waived unless mad limitation, business regardless of wheth | sed in cor de in writin s interrupti ner such c | ntract or | tort, st eceived is of us based | hall be limited to d by Cardinal wit e, or loss of pro upon any of the | or tort, shall be limited to the amount paid by the client for th freesived by Cardinal within 30 days after completion of the oss of use, or loss of profits incurred by defent, its subsidiarie is based upon any of the above stated reasons or otherwise. | by the client for th completion of the ent, its subsidiarie sons or otherwise. | ne applicabl s, | • | | | | | | | | | | | • |
| Relinquished By: | Date: | Rec | Received By: | | | | | | Verbal Result: | ult: | | □ No | Add'l | Add'l Phone #: | #: | | | | | | | |
| | Time: | | | | | | | | All Results are emai | are em | | led. Please provide Email address: | ovide Em | nail add | iress: | | | | | | | |
| Relinquished By: | Date: | Rec | Received By: | | | | | | REMARKS: CoC was filled out in error. Samples BES25-28 through BES-51 and WES25-11 | 000 | was fille | ed out in err | or. Samp | les BE | S25-28 | throu | gh BE | S-51 | and W | /ES25 | <u>-</u> 1 | |

| allillates of successors alising out of or letated to the perioritative | or services riereurider by Ca | alimates of successors arising out of or letated to the performance of services neteringer by Carolina, regardless of whether by Carolina, regardless of whether such chair is based upon any of the above stated leasons of other wise | lated reasons of otherwise. |
|---|---|---|--|
| Relinquished By: | Date: | Received By: | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| | | | All Results are emailed. Please provide Email address: |
| | Time: | | |
| Relinquished By: | Date: | Received By: | REMARKS: CoC was filled out in error. Samples BES25-28 through BES-51 and WES25-11 |
| | Time: | | depict correct depth of sampling. |
| Delivered By: (Circle One) | Ohserved Temp °C | Sample Condition CHECKED BY: | Turnaround Time: |
| | 000000000000000000000000000000000000000 | | Rush |
| Sampler - UPS - Bus - Other: Col | Corrected Temp. °C | ☐ Yes ☐ Yes | Thermometer ID #113 ☐ Yes ☐ Yes |
| | | □ No □ No | Correction Factor -0.5°C |
| FUKMI-006 K 3.2 10/0//21 | | | |

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

| ompany Name | Company Name: Vertex (Direct Bill To XTO) | То ХТО) | | | | | | | | | | | lin. | BILL TO | | | | | | ₽ | ANALYSIS | YS! | | ᇛ | ۵ | REQUEST | ř | l | | 1 | i | 1 | L |
|---|--|--|---------------------|----------------------|-------------------|------------------|------------------------------|------------------|-------------------|---------------------------------|------------|------------|---------------------------------------|--|---|--------------------------------|---|-------------------------|-------------------------|---------------------------|-----------------------------------|----------------------------|--------------|--------------|----------|--------------------|-------------|-------------|-------------|----------|----|----------------|---|
| roject Manager: | r: Chad Hensley | | | | | | | | | 7 | P.O. #: | # | N | 2147571001 | 1 | | | | | | | | | | | | | | | | | | |
| \ddress: | | | | | | | | | | C | om | par | יאַנ | Company: XTO | | | | | | | | | | | | | | | | | | | |
| ity: | | State: | Zip: | 2 | | | | | | > | Attn: | | | | | | | | | | | | | | | | | | | | | | |
| hone #: | | Fax #: | | | | | | | | Α | Address: | ess | *: | | | | | | | | | | | | | | | | | | | | |
| roject#: 24 | 24E-04947 | Project Owner: | | Amy Ruth | R | 두 | | | | C | City: | | | | | | | | | | | | | | | | | | | | | | |
| roject Name: ا | ³roject Name: James Ranch Unit DI 11 | t DI 11 | | | | | | | | S | State: | ** | | Zip: | | | | | | | | | | | | | | | | | | | |
| roject Location: | n: | | | | | | | | | P | Phone #: | 1e # | | | | | | | | | | | | | | | | | | | | | |
| ampler Name: | 3ampler Name: Riley Plogger | | | | | | | | | П | Fax #: | ** | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | ⊼ | MATRIX | × | ŀ | P | RES | PRESERV. | V. SAMPLING | LING | | | | | | | | | | | | | | | | | | |
| | | | OMP. | | ER | R | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | I.D. | (G)RAB OR (C | # CONTAINER | GROUNDWAT | WASTEWATE | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | Chlorides | TPH | BTEX | | | | | | | | | | | | | | | |
| | WES25-16 @ (0-1) | 1)' | Ω | | | | × | | | | | | × | 1/20/25 | 2:48 | × | × | × | | | | | | | | | | | | | | | |
| | WES25-17 @ (0-1) | ·1)' | Ω | _ | | | × | | | | | | × | 1/20/25 | 2:52 | × | × | × | | | | | | | | | | | | | | | |
| | WES25-18 @ (0-1) | 1)' | Ω | _ | | | × | , | | | | | × | 1/20/25 | 2:59 | × | × | × | | | | | | | | | | | | | | | |
| | WES25-19 @ (0-1) | 1)' | Ω | _ | | | × | - | _ | - | _ | | × | 1/20/25 | 3:04 | × | × | × | | _ | _ | | _ | | | | | + | | _ | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | |
| EASE NOTE: Liability a | LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the | d client's exclusive remedy for | any clai | m aris | ing wh | ether | base | d in c | ontra: | or to | ıπ, sh | all be | i i i i i i i i i i i i i i i i i i i | d to the amount paid | by the client for the | | | | | | | | | | | | | \vdash | | \vdash | | <u> </u> | |
| rvice. In no event shall C filiates or successors aris | arvice. 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, filiates 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. | onsequental damages, includir ance of services hereunder by | ng witho Cardina | ut limit เป, rega | ation, ırdless | busin s of wl | ess in nethe | terruj r such | otions I clair | , loss n is ba | of use | , or k | oss of any of | profits incurred by cl the above stated rea | ient, its subsidiaries sons or otherwise. | | | | | | | | | | | | | | | | | | |
| Relinquished By: | у: | Date: | Į. | Received By: | ved | By | | | | | | | | | Verbal Result: ☐ Yes ☐ No | ılt: | □ Yes mailed. I | □ Pleas | □ No ase pro | Vide | Add'l Phone #: de Email addre: | hone | #: dres | s: | | | | | | | | | |
| | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | Ÿ. | Date: | 고 | Received By: | ved | <u></u> | | | | | | | | | REMARKS: CoC was filled out in error. Samples BES25-28 through BES-51 and WES25-11 through WES25-19 were labeled incorrectly. Samples depths adjusted to depict correct depth of sampling. | CoC wa through depict co | CoC was filled out in error. Samp through WES25-19 were labeled depict correct depth of sampling. | out i 25-19 depth | n erro were of sa | r. Sai label implir | mple ed In | s BE: | S25- ctly | 28 t Sa | m ple | gh E | 3ES epth | -51 s ac | and djus | ted ¥ | to | - - | |
| | | Observed Temp *C | | | | 3 | 1 | 3 | <u> </u> | \$ | | 2 | | KED BY: | Time | | 7 | 3 | 2 0 | had | 1 4 | sley | 3. | 3 | 5 | 3 | 2 | 3 | <u>.</u> | 3 | | | |
| Delivered By: (Circle One) | Sircle One) | Observed lemp. C | | | | Co | Sample Condit Cool Intact | ᄩ | ct | Sample Condition Cool Intact | | <u>c</u> | <u>=</u> E | CHECKED BY: (Initials) | Turnaround Time: | Ĭ | | Standard Rush | lard | | . O | Cool Intact Observed Temp. | ınt eria | : 한 <u>의</u> | ≤ | Observed Temp. °C | erv | ed 1 | Tem | 호움 | Õ | | |
| sampler - UP's - | Bus - Omer: | Corrected Lemp. C | | | | Ьг | No | No G | No Tes | 0 % | | | | | Correction Factor -0.5°C | 다 로 | #113 or -0.5°C | | | | | LIL z ē | No e | No s | | Corrected Temp. °C | rect | ed | Ten | ij. | റ് | | |

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 430911

QUESTIONS

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 430911 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Prerequisites | |
|-------------------|---|
| Incident ID (n#) | nAPP2431945579 |
| Incident Name | NAPP2431945579 JRU DI 11 BATTERY @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |
| Incident Facility | [fAPP2123053374] JAMES RANCH UNIT DI 11 |

| Location of Release Source | |
|--|-------------------|
| Please answer all the questions in this group. | |
| Site Name | JRU DI 11 BATTERY |
| Date Release Discovered | 11/13/2024 |
| Surface Owner | State |

| 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: Equipment Failure Pump Produced Water Released: 55 BBL Recovered: 15 BBL Lost: 40 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. |

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

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

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

QUESTIONS, Page 2

Action 430911

| Santa Fe, NM 87505 | |
|---|--|
| QUESTIONS (continued) | |
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 Action Number: 430911 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| QUESTIONS | [o, ramananan sasana naqaasta (o r assana) |
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. | 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 | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Not answered. |
| | ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ed 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 asses 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 to 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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 02/11/2025 |

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

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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 430911

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 430911 |
| | 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 approva release discovery date. | l and beyond). This information must be provided to the appropriate district office no later than 90 days after the |
| 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 | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between 500 and 1000 (ft.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between ½ and 1 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between ½ and 1 (mi.) |
| A subsurface mine | Between 1 and 5 (mi.) |
| An (non-karst) unstable area | Zero feet, overlying, or within area |
| Categorize the risk of this well / site being in a karst geology | High |
| 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 demonstrating the lateral and vertical extents of soil contamination | on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes | |
| Was this release entirely contained within a lined containment area | No | |
| Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) | | |
| Chloride (EPA 300.0 or SM4500 Cl B) | 7520 | |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 0 | |
| GRO+DRO (EPA SW-846 Method 8015M) | 0 | |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 | |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 | |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation. | | |
| On what estimated date will the remediation commence 01/15/2025 | | |
| On what date will (or did) the final sampling or liner inspection occur | 01/15/2025 | |
| On what date will (or was) the remediation complete(d) | 01/20/2025 | |
| What is the estimated surface area (in square feet) that will be reclaimed | 0 | |
| What is the estimated volume (in cubic yards) that will be reclaimed | 0 | |
| What is the estimated surface area (in square feet) that will be remediated | 8416 | |
| What is the estimated volume (in cubic yards) that will be remediated | 600 | |
| 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 430911

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
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| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Remediation Plan (continued) | |
|---|------------------------------------|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| (Select all answers below that apply.) | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | |
| Which OCD approved facility will be used for off-site disposal | LEA LAND LANDFILL [fEEM0112342028] |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | No |
| OR is the off-site disposal site, to be used, an NMED facility | No |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | No |
| (In Situ) Soil Vapor Extraction | No |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | No |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | No |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | No |
| Ground Water Abatement pursuant to 19.15.30 NMAC | No |
| OTHER (Non-listed remedial process) | No |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: Environmental Advisor
Email: colton.s.brown@exxonmobil.com
Date: 02/11/2025

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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QUESTIONS, Page 5

Action 430911

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
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| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

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

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QUESTIONS, Page 6

Action 430911

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
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| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded 420675 | |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 01/17/2025 |
| What was the (estimated) number of samples that were to be gathered | 65 |
| What was the sampling surface area in square feet | 9902 |

| 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 | 8416 | | | |
| What was the total volume (cubic yards) remediated | 600 | | | |
| 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) | N/A | | | |

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

I hereby agree and sign off to the above statement

Title: Environmental Advisor
Email: colton.s.brown@exxonmobil.com
Date: 02/11/2025

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QUESTIONS, Page 7

Action 430911

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
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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 430911

CONDITIONS

| Operator: | OGRID: |
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CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|-------------------|
| bhall | Remediation closure approved. | 2/14/2025 |
| bhall | A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 2/14/2025 |
| bhall | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. | 2/14/2025 |
| bhall | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 2/14/2025 |
| bhall | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 2/14/2025 |