

Incident Number: nAPP2433927741

Remediation Closure and Reclamation Report

Rumble State #4H

API: 30-015-45749

Unit D, Section 28, Township 18 South, Range 25 East

County: Eddy

Coordinates: 32.725171, -104.497566

Vertex File Number: 24E-05130

Prepared for:

Silverback Operating II, LLC.

Prepared by:

Vertex Resource Services Inc.

Date:

May 2025

Remediation Closure and Reclamation Report May 2025

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Prepared for:

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108 South 4th Street

Artesia, New Mexico 88210

New Mexico Oil Conservation Division - District 2 - Artesia

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PROJECT MANAGER, REPORTING

May 27, 2025

Date

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1.0 Introduction

Silverback Operating II, LLC. (Silverback) retained Vertex Resource Services Inc. (Vertex) to complete a Remediation Closure Report for a crude oil and produced water release that occurred on November 23, 2024, at Rumble State #4H (hereafter referred to as the "site"). Silverback submitted an initial C-141 release notification to the New Mexico Oil Conservation Division (NMOCD) District 2 on December 4, 2024. Incident ID number nAPP2433927741 was assigned to this incident.

This report provides a description of the site assessment, remediation and sampling 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 site was completed following the completion of remediation activities as per 19.15.29.13 NMAC.

2.0 Incident Description

The release occurred on November 23, 2024, due to a power outage on the PLC for the air compressor that caused the separator and gas scrubber to overfill and route fluids to the high-pressure flare, which then over sprayed surrounding areas of the pad and pasture. Pooled standing oil caught fire and eventually extinguished itself. Silverback submitted the initial C-141 which describes the release volume of 15 barrels of crude oil and 5 barrels of produced water. No free fluids were recovered, and recoverable impacted materials were scraped off during the initial site assessment and clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 9.9 miles southwest of Artesia, New Mexico (Google Inc., 2025). The legal location for the site is Unit D, Section 28, Township 18 South and Range 25 East in Eddy County, New Mexico. The release area is located on private 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 surrounding the site and surrounding areas.

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site's surface geology primarily comprises Qp – Piedmont alluvial deposits (Holocene to lower Pleistocene). The predominant soil profile on the site is loam. Soil drainage can be classified as well-drained with a high runoff class. The karst geology at the site is characterized as medium potential (United States Department of the Interior, Bureau of Land Management, 2018).

The surrounding landscape is associated with plain, fan piedmont, and terrace landforms with elevations ranging between 2,800 and 5,000 feet. The climate is semiarid with average annual precipitation ranging between 6 and 15 inches. Using information from the United States Department of Agriculture, the historical plant community was

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determined to be a black grama and dropseed dominated grassland. Blue grama also occurs as a subdominant species. Litter and bare ground compose a significant proportion of the ground cover while grasses compose the remainder. Fire suppression, and the loss of grass cover due to overgrazing and drought may facilitate the increase and encroachment of shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2025).

4.0 Closure Criteria Determination

The nearest active well to the site is a private well (RA 04345) located approximately 0.96 miles north of the site with a recorded depth to groundwater of 150 feet below ground surface (bgs; New Mexico Office of the State Engineer, 2025b). Information pertaining to the depth to ground water determination is included in Appendix A.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, are features for the Rio Penasco located approximately 0.51 miles northeast of the site (United States Fish and Wildlife Service, 2025).

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.

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Spec	ific Conditions	Value	Unit
	Depth to Groundwater (nearest reference)	150	feet
		5,052	feet
1	Distance between release and nearest DTGW reference	0.96	miles
	Date of nearest DTGW reference measurement	January :	31, 1961
	Within 300 feet of any continuously flowing watercourse		
2	or any other significant watercourse	2,641	feet
2	Within 200 feet of any lakebed, sinkhole or playa lake	12.011	£+
3	(measured from the ordinary high-water mark)	13,011	feet
4	Within 300 feet from an occupied residence, school,	52,458	feet
4	hospital, institution or church	32,436	ieet
	i) Within 500 feet of a spring or a private, domestic fresh		
	water well used by less than five households for		feet
5	domestic or stock watering purposes, or		
	ii) Within 1000 feet of any fresh water well or spring	73,667	feet
	Within incorporated municipal boundaries or within a		
	defined municipal fresh water field covered under a		
6	municipal ordinance adopted pursuant to Section 3-27-3	No	(Y/N)
	NMSA 1978 as amended, unless the municipality		
	specifically approves		
7	Within 300 feet of a wetland	4,465	feet
	Within the area overlying a subsurface mine	No	(Y/N)
8	Distance between release and nearest registered mine	16,989	feet
			Critical
	Within an unstable area (Karst Map)	Medium	High
9	within an anstable area (Karst Wap)	Wicalam	Medium
,			Low
	Distance between release and nearest unstable area	0	feet
	Within a 100-year Floodplain	>500	year
10	Distance between release and nearest FEMA Zone A (100-	2 772	feet
	year Floodplain)	2,773	Teet
11	Soil Type	UR: Upton-Rea	agan Complex
12	Ecological Classification	R042CY153N	IM — Loamy
13	Geology	Qp - Piedmont a	alluvial deposits
	+		<50'
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	51-100'
	HAINING TOTAL CALLENGE TO CHOSCIE CONTENTS	\30	

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 Impacted by	a Release				
Minimum depth below any point within the horizontal					
boundary of the release to groundwater less than					
10,000 mg/l TDS	Constituent	Limit			
	Chloride	600 mg/kg			
No depth-to-groundwater reference within 0.5mi;	TPH (GRO+DRO+MRO)	100 mg/kg			
Within medium karst potential	BTEX	50 mg/kg			
	Benzene	10 mg/kg			

TDS - Total dissolved solids

5.0 Remedial Actions Taken

The remedial activities were completed following the proposed remediation plan which was conditionally approved by NMOCD on March 10, 2025. The plan included a sampling variance requesting permission to use a sampling size variance of 400 square feet. A copy of the variance request correspondence approval is included in Appendix B. Site characterization activities were conducted by Vertex on January 2, 2025, and finalized on February 10, 2025. A total of 27 sampling boreholes were established to obtain both horizontal and vertical delineation. From these boreholes, a total of 60 samples were collected at various depths and submitted to Cardinal Laboratories in Hobbs, New Mexico, for laboratory analysis. Characterization laboratory results are presented in Table 3.

Remediation efforts began on April 4, 2025, and were finalized on April 7, 2025. Vertex supervised the excavation of impacted soils. Soil sampling was completed with a total of 71 sample points and consisted of field screen analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and Silver Nitrate titrations (chlorides). Field screening results were used to identify areas requiring further remediation. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. The final Daily Field Report (DFR) with photographs of the remediated site prior to backfill is included in Appendix C.

Notification that confirmatory samples were being collected was provided to the NMOCD two business days prior to conducting final sampling pursuant to 19.15.29.12.D(1)(a). Confirmatory base floor and sidewall samples were collected from the surfaces of the excavation in 400 square foot increments. A total of 69 confirmation samples (54 base samples and 15 wall samples) were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Cardinal Laboratories 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). The excavation extent and the final sampling locations were mapped utilizing a handheld GPS and are presented on Figures 2 and 3. Laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix D.

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

BTEX – benzene, toluene, ethylbenzene and xylenes

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6.0 Remediation Closure Request

Vertex recommends no additional remedial actions at the site. Laboratory analyses of confirmation samples collected at the site show final confirmatory values below the applicable NMOCD closure criteria, as presented in Table 2. There are no anticipated risks to human, ecological, or hydrological receptors at this site. The excavation was backfilled with non-waste-containing, uncontaminated, earthen material, sourced locally, and placed to meet the site's existing grade to prevent water ponding and erosion. The reclamation requirements of 19.15.29.13 NMAC were completed following backfilling activities and are outlined in Section 7.0, below.

On behalf of Silverback, Vertex requests that this incident (nAPP2433927741) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Silverback certifies that all information in this report and appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the site.

Should you have any questions or concerns, please do not hesitate to contact Fernando Rodriguez at 575.361.4509 or frodriguez@vertexresource.com.

7.0 Reclamation Report

The Reclamation Report for the site is detailed below. This report outlines the principles that were used during the surface reclamation phase for the site. The DFR with photographs documenting backfilled remediated areas and reclamation activities is included in Appendix C. Reclamation areas are presented on Figure 4.

7.1 End Land Use and Capability

The land use surrounding the site is defined as natural; therefore, the end land use would be natural land. A natural area is described as: away from human habitation and activities, where the primary concern is the protection of ecological receptors. The site was reclaimed so that the capability of the land will match that of the areas immediately surrounding the site, which consists of rangeland.

7.2 Infrastructure Decommissioning

All equipment, infrastructure, and associated components have been decommissioned and removed as part of past reclamation efforts.

7.3 Reclamation Procedures

7.3.1 Excavation Backfill

Restoration of the site included the replacement of removed materials to the near original relative positions and contoured to achieve erosion control, long-term stability and preservation of surface water flow patterns. The excavation was backfilled on April 7, 2025, and was finalized on April 8, 2025. Approximately 560 cubic yards of materials were used for backfilling the excavation and used as topsoil for reclamation. Materials used for backfilling procedures were sampled and sent in for laboratory analysis for constituents as described in Table 1 of 19.15.29 NMAC. On April 7, 2025, two representative 5-point composite samples were collected from the backfill material that was used

for the reclamation of the remediated areas. Analytical results for these samples are presented in Table 4, and the laboratory data report is included in Appendix D.

7.3.2 Contouring

The site was contoured to match surrounding topography as near as practicable to restore natural drainage, which is generally in a southwest-to-northeast direction. Compaction on the reclaimed areas was addressed by decompaction via cross ripping to a maximum depth of 18 inches (or as site conditions allow) with a furrow spacing of 2 feet. Decompaction activities were conducted post-backfill and pre-seeding to maximize seed to soil contact and promote vegetation establishment.

7.3.3 Access Road and Pad

The supplementary access road and portions of the pad associated with the release were restored and reconstructed with caliche materials. Locally sourced caliche materials were brought in to replace the scraped surface materials. The map that outlines the restored access road and pad areas is presented on Figure 4.

7.3.4 Erosion Control

There are currently no erosion concerns on-site, and the use of erosion control devices at this site was not anticipated; however, erosion control devices will be installed at the discretion of the on-site environmental inspector during monitoring activities.

7.3.5 Seeding

Seeding activities commenced and were completed on April 8, 2025. A seed mix suitable for the site and surrounding area was used and applied at appropriate rates. New Mexico State Land Office loamy seed mix was obtained for the site and administered at an application rate of 18 PLS/acre. Seeding methods were completed using a tractor with a no-till seed drill on all areas under reclamation. Seed establishment and revegetation will be monitored bi-annually to determine success. The utilized seed mixture and application document is included in Appendix E.

7.3.6 Fertilization

Fertilizer application was not planned but will be incorporated into the contoured topsoil and/or upper subsoil to improve soil nutrient content, if deemed necessary or as per landowner recommendations.

7.4 Reclamation Standards

Reclamation of all disturbed areas will be considered complete when uniform vegetative cover has been established that reflects a life-form ratio of plus or minus 50% of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds.

7.5 Weed Management

The site will be monitored for vegetative growth throughout all phases of the project. Should state classified noxious weeds be identified on-site, a control program will be implemented and managed as required.

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Weed management programs will identify weed species of concern and utilize effective control methods. These methods include but are not limited to chemical (herbicide) control, mechanical (mowing) control or biological control as approved by governing regulatory agencies.

8.0 Monitoring Program

Bi-annual inspections will be conducted, during the growing season, to monitor site progression and assess the need for additional best management practices (BMPs). Inspections will include photographs of the site and BMPs implemented.

9.0 References

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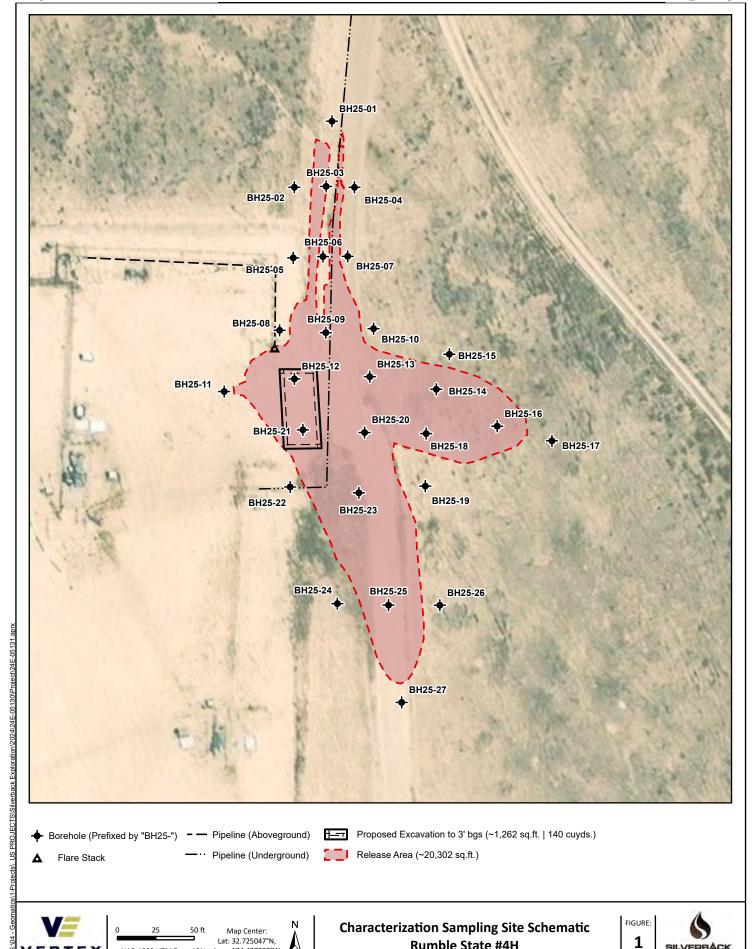
Remediation Closure and Reclamation Report May 2025

10.0 Limitations

This report has been prepared for the sole benefit of Silverback Operating II, LLC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Silverback Operating II, LLC. 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. Conclusions and recommendations presented in this report should not be considered legal advice.

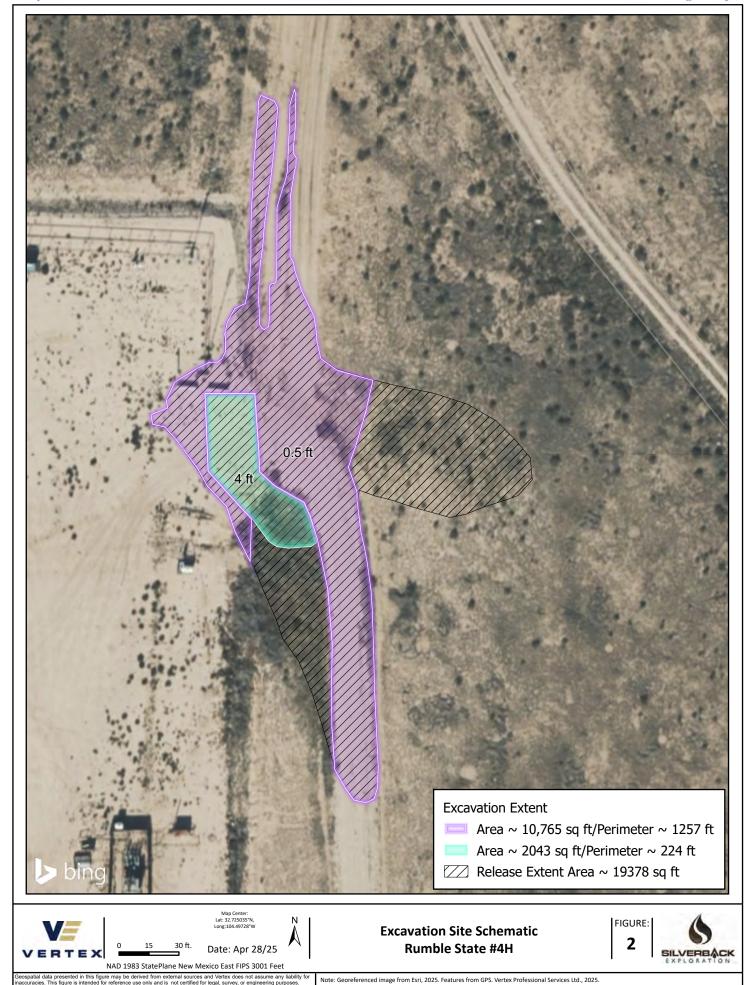
FIGURES

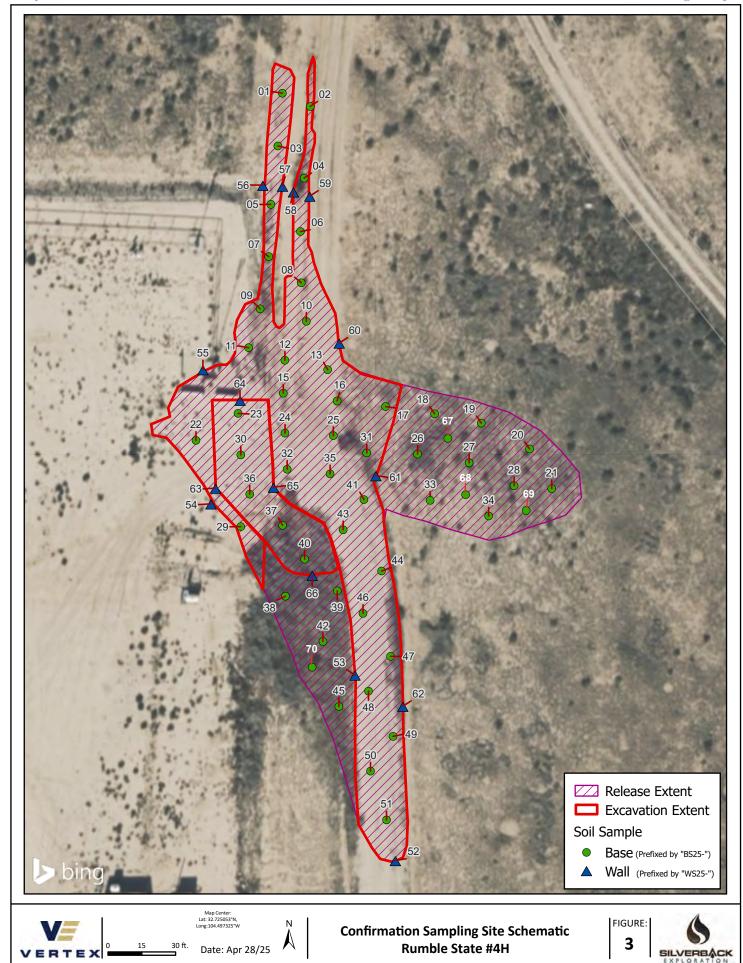


NAD 1983 UTM Zone 13N Date: Feb 19/25

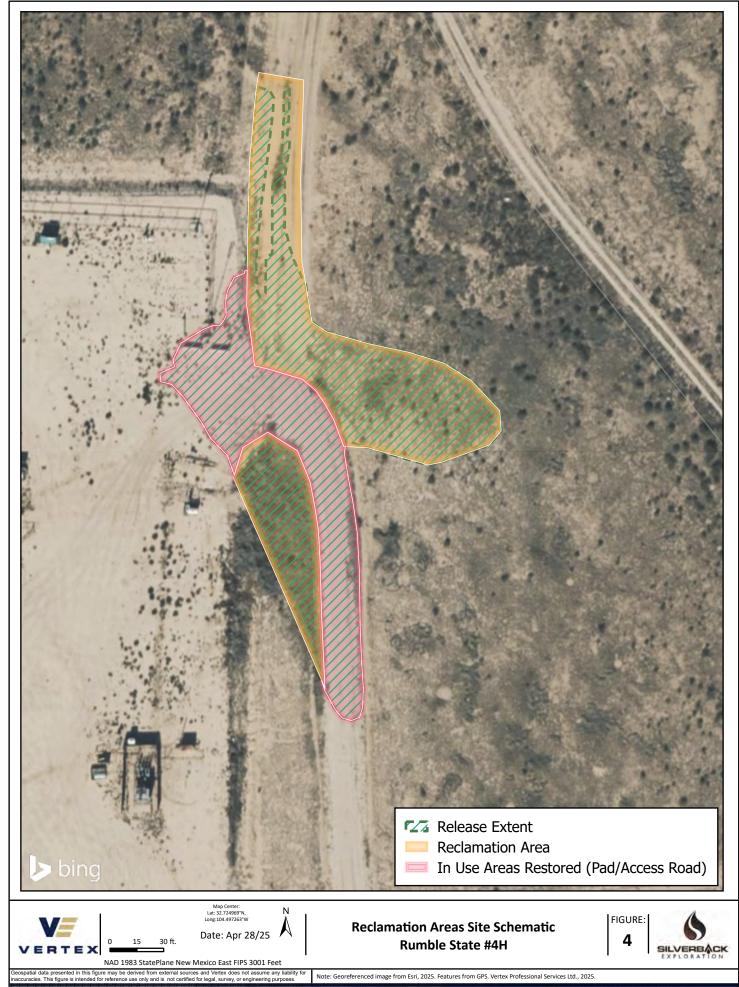
Rumble State #4H

Note: Georeferenced image from Esri, 2023. Site Features from GPS by Vertex Professional Services Ltd., 2025





NAD 1983 StatePlane New Mexico East FIPS 3001 Feet



TABLES

Received by OCD: 5/28/2025 9:49:57 AM

Client Name: Silverback Operating II, LLC Site Name: Rumble State #4H NMOCD Tracking #: nAPP2433927741

Project #: 24E-05130

Lab Reports: H250110, H250549, H250550, H250824

						n Field Scr	een and L						
	Sample Descr	iption	Fi	eld Screeni	ng			Petrole	eum Hydro				
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Penzene Penzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics at the MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration guession
			(ppm)	(ppm)	ਓ (ppm)	യ് (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg) er: <50 feet	(mg/kg)	(mg/kg)	P ± (mg/kg)	ਓ (mg/kg)
BH25-01	0 2	January 2, 2025 January 2, 2025	-	-	21 35	ND ND	ND ND	ND ND	13.3 ND	ND ND	13.3 ND	13.3 ND	16 32
BH25-02	0	January 2, 2025	-	-	132	ND	ND	ND	ND	ND	ND	ND	16
	0	January 2, 2025 January 2, 2025	-	-	121 91	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16 64
BH25-03	2	January 2, 2025	-	-	101	ND	ND	ND	ND	ND	ND	ND	32
	0	January 2, 2025 January 2, 2025	-	-	89 193	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	112 16
BH25-04	2	January 2, 2025	-	-	109	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	32
BH25-05	0	January 2, 2025	-	-	81	ND ND	ND	ND	ND	ND	ND	ND	48
	0	January 2, 2025 January 2, 2025	-	-	105 121	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	48 80
BH25-06	2	January 2, 2025	-	-	108	ND	ND	ND	ND	ND	ND	ND	64
	4 0	January 2, 2025	-	-	130 150	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	48 96
BH25-07	2	January 2, 2025 January 2, 2025	-	-	193	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	80
BH25-08	0	January 2, 2025	-	-	38	ND	ND	ND	ND	ND	ND	ND	112
	0	January 2, 2025 January 2, 2025	-	-	72 52	ND ND	ND ND	ND ND	ND 27.3	ND ND	ND 27.3	ND 27.3	32 112
BH25-09	2	January 2, 2025	-	-	130	ND	ND	ND	ND	ND	ND	ND	176
	4	January 2, 2025	-	-	80	ND	ND	ND	ND	ND	ND	ND	272
BH25-10	2	January 2, 2025 January 2, 2025	-	-	32 33	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16 80
BH25-11	0	January 29, 2025	-	-	236	ND	ND	ND	15.1	ND	15.1	15.1	16
	0	January 29, 2025 January 28, 2025	-	- ND	305 2,873	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16 2200
BH25-12	2	January 28, 2025	-	ND	1,679	ND	ND	ND	ND	ND	ND	ND	960
	4	February 10, 2025	-	10	320	ND	ND	ND	ND	ND	ND	ND	16
BH25-13	2	January 2, 2025 January 2, 2025	-	-	56 150	ND ND	ND ND	ND ND	ND 44.3	ND ND	ND 44.3	ND 44.3	48 320
	4	January 2, 2025	-	-	45	ND	ND	ND	ND	ND	ND	ND	112
BH25-14	2	January 28, 2025 January 28, 2025	-	39 3	636 236	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	320 64
DU25 45	0	January 2, 2025	_	-	31	ND	ND	ND	ND	ND	ND	ND ND	16
BH25-15	2	January 2, 2025	-	-	45	ND	ND	ND	ND	ND	ND	ND	16
BH25-16	2	January 28, 2025 January 28, 2025	-	2	311 269	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	112 16
BH25-17	0	January 28, 2025	-	ND	330	ND	ND	ND	ND	ND	ND	ND	64
	0	January 28, 2025 January 28, 2025	-	ND ND	275 346	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	48 128
BH25-18	2	January 28, 2025	-	ND	419	ND	ND	ND	ND	ND ND	ND	ND ND	64
BH25-19	0 2	January 28, 2025 January 28, 2025	-	-	298 320	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	32 32
BH25-20	0	January 28, 2025	-	-	447	ND	ND	ND	56.6	14.4	56.6	71	160
51125-20	2	January 28, 2025 January 28, 2025	-	- 950	303 3,544	ND ND	ND 1.58	ND 355	ND 12700	ND 1960	ND 13055	ND 15015	16 5840
BH25-21	2	January 28, 2025	-	48	637	ND	ND	ND	647	208	647	855	400
	4 0	February 10, 2025 January 29, 2025	-	20	136 443	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16 80
BH25-22	2	January 29, 2025	-	-	317	ND	ND	ND	ND	ND	ND	ND	48
BH25-23	0 2	January 29, 2025 January 29, 2025	-	-	318 326	ND ND	ND ND	ND ND	20.5 ND	ND ND	20.5 ND	20.5 ND	240 16
BH25-24	0	January 29, 2025	-	-	290	ND	ND	ND	ND	ND	ND	ND	32
	2	January 29, 2025 January 29, 2025	-	-	372 349	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16 32
BH25-25	2	January 29, 2025	-	-	320	ND	ND	ND	ND ND	ND	ND	ND	16
BH25-26	0 2	January 29, 2025 January 29, 2025		-	344 458	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16 48
BH25-27	0	January 29, 2025	-	-	402	ND	ND	ND	ND	ND	ND	ND	16
טוועס-עו	2	January 29, 2025	-	-	410	ND	ND	ND	ND	ND	ND	ND	32



Client Name: Silverback Exploration Site Name: Rumble State #4H NMOCD Tracking #: nAPP2433927741

Project #: 24E-05130 Lab Reports: H252203

	Camanda Dasanin					ng Field Sc						-	
	Sample Descrip	otion	FI	eld Screeni	ng	Vol	atile	Petroie	eum Hydro	carbons Extractable			Ingrani
Sample ID	Depth (ft)	Sample Date	do Volatile Organic Compounds	G Extractable Organic G Compounds (PetroFlag)	(mdd) Chloride Concentration	Benzene (mg/kg)	(mg/kg) (gy/gal)	Gasoline Range Organics	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(mg/kg)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
BS25-01	0.5		osure Crite	ria for Soils					9.12 NMAC		ND	ND	ND
BS25-01 BS25-02	0.5	April 4, 2025	-	-	103 120	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
BS25-02 BS25-03	0.5	April 4, 2025	-	-									ND
BS25-03 BS25-04	0.5	April 4, 2025	-	-	144	ND ND	ND ND	ND ND	ND ND	ND	ND	ND	336
BS25-05	0.5	April 4, 2025	-	-	467 436	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	304
BS25-06	0.5	April 4, 2025 April 4, 2025	-	-	436	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	304
BS25-07	0.5	April 4, 2025	-	-	300	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	272
BS25-07 BS25-08	0.5	April 4, 2025	_	-	263	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	288
BS25-08	0.5	April 4, 2025	-	-	482	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	304
BS25-10	0.5	April 4, 2025	-	-	331	ND	ND	ND	ND	ND	ND	ND	288
BS25-10	0.5	April 4, 2025	-	-	401	ND	ND	ND ND	ND	ND	ND ND	ND ND	304
BS25-12	0.5	April 4, 2025	_	_	359	ND	ND	ND	ND	ND	ND	ND	288
BS25-13	0.5	April 4, 2025	_	_	405	ND	ND	ND	ND	ND	ND	ND	304
BS25-15	0.5	April 4, 2025	_	_	235	ND	ND	ND	ND	ND	ND	ND	288
BS25-16	0.5	April 4, 2025	_	_	393	ND	ND	ND	ND	ND	ND	ND	304
BS25-17	0.5	April 4, 2025	_	_	379	ND	ND	ND	ND	ND	ND	ND	320
BS25-18	0	April 4, 2025	_	-	124	ND	ND	ND	ND	ND	ND	ND	32
BS25-19	0	April 4, 2025	_	_	195	ND	ND	ND	ND	ND	ND	ND	16
BS25-20	0	April 4, 2025	_	-	116	ND	ND	ND	ND	ND	ND	ND	32
BS25-21	0	April 4, 2025	-	-	126	ND	ND	ND	ND	ND	ND	ND	16
BS25-22	0.5	April 4, 2025	-	-	318	ND	ND	ND	ND	ND	ND	ND	224
BS25-23	4	April 4, 2025	-	-	122	ND	ND	ND	ND	ND	ND	ND	32
BS25-24	0.5	April 4, 2025	-	-	239	ND	ND	ND	ND	ND	ND	ND	224
BS25-25	0.5	April 4, 2025	-	-	329	ND	ND	ND	ND	ND	ND	ND	240
BS25-26	0	April 4, 2025	-	-	145	ND	ND	ND	ND	ND	ND	ND	32
BS25-27	0	April 4, 2025	-	-	195	ND	ND	ND	ND	ND	ND	ND	32
BS25-28	0	April 4, 2025	-	-	160	ND	ND	ND	ND	ND	ND	ND	16
BS25-29	0.5	April 4, 2025	-	-	340	ND	ND	ND	ND	ND	ND	ND	208
BS25-30	4	April 4, 2025	-	-	151	ND	ND	ND	ND	ND	ND	ND	ND
BS25-31	0.5	April 4, 2025	-	-	235	ND	ND	ND	ND	ND	ND	ND	224
BS25-32	0.5	April 4, 2025	-	-	272	ND	ND	ND	ND	ND	ND	ND	224
BS25-33	0	April 4, 2025	-	-	115	ND	ND	ND	ND	ND	ND	ND	16
BS25-34	0	April 4, 2025	-	-	150	ND	ND	ND	ND	ND	ND	ND	ND
BS25-35	0.5	April 4, 2025	-	-	352	ND	ND	ND	ND	ND	ND	ND	256
BS25-36	4	April 4, 2025	-	-	253	ND	ND	ND	ND	ND	ND	ND	32
BS25-37	4	April 5, 2025	-	-	127	ND	ND	ND	ND	ND	ND	ND	16
BS25-38	0	April 5, 2025	-	-	121	ND	ND	ND	ND	ND	ND	ND	32
BS25-39	0	April 5, 2025	-	-	250	ND	ND	ND	ND	ND	ND	ND	208
BS25-40	4	April 5, 2025	-	-	175	ND	ND	ND	ND	ND	ND	ND	32
BS25-41	0.5	April 5, 2025	-	-	347	ND	ND	ND	ND	ND	ND	ND	272
BS25-42	0	April 5, 2025	-	-	185	ND	ND	ND	ND	ND	ND	ND	48
BS25-43	0.5	April 5, 2025	-	-	477	ND	ND	ND	ND	ND	ND	ND	304
BS25-44	0.5	April 5, 2025	-	-	435	ND	ND	ND	ND	ND	ND	ND	304
BS25-45	0.5	April 5, 2025	-	-	189 360	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	32 288
BS25-46 BS25-47	0.5	April 5, 2025 April 5, 2025	-	-	466	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	304
BS25-47	0.5	April 5, 2025	-	-	378	ND	ND	ND	ND ND	ND	ND ND	ND	288
BS25-49	0.5	April 5, 2025	-	-	395	ND	ND	ND	ND	ND	ND	ND	320
BS25-50	0.5	April 5, 2025	-	-	189	ND	ND	ND	ND	ND	ND	ND	32



Client Name: Silverback Exploration Site Name: Rumble State #4H NMOCD Tracking #: nAPP2433927741

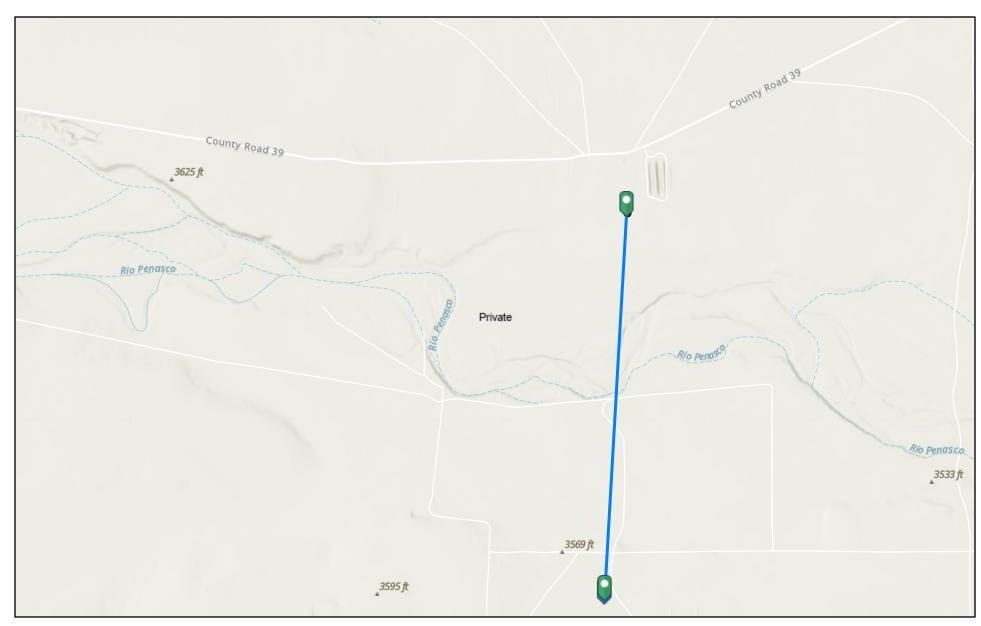
Project #: 24E-05130 Lab Reports: H252203

			Table 4. C	onfirmatio	on Samplii	ng Field Sc	reen and I	Laboratory	/ Results						
9	Sample Descrip	otion	Fi	eld Screeni	ng			Petrole	um Hydro	carbons					
			"			Vola	atile			Extractable			Inorganic		
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration		
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
	Closure Criteria for Soils Impacted by a Release - Table 1 of 19.15.29.12 NMAC														
BS25-51	0.5	April 5, 2025	-	-	408	ND	ND	ND	ND	ND	ND	ND	320		
WS25-52	0.5	April 5, 2025	-	-	109	ND	ND	ND	ND	ND	ND	ND	48		
WS25-53	0.5	April 5, 2025	-	-	410	ND	ND	ND	ND	ND	ND	ND	320		
WS25-54	0.5	April 5, 2025	-	-	145	ND	ND	ND	ND	ND	ND	ND	32		
WS25-55	0.5	April 5, 2025	-	-	349	ND	ND	ND	ND	ND	ND	ND	288		
WS25-56	0.5	April 5, 2025	-	-	139	ND	ND	ND	ND	ND	ND	ND	16		
WS25-57	0.5	April 5, 2025	-	-	206	ND	ND	ND	ND	ND ND	ND	ND	144		
WS25-58	0.5	April 5, 2025	-	-	124		ND ND		ND ND		ND	ND	80		
WS25-59	0.5	April 5, 2025	-	-	127	ND	ND	ND	ND	ND	ND	ND	32		
WS25-60	0.5	April 5, 2025	-	-	137	ND	ND	ND	ND	ND	ND	ND	144		
WS25-61	0.5	April 5, 2025	-	-	232	ND	ND	ND	ND	ND	ND	ND	144		
WS25-62	0.5	April 5, 2025	-	-	225	ND	ND	ND	ND	ND	ND	ND	112		
WS25-63	0-4	April 5, 2025	-	-	104	ND	ND	ND	ND	ND	ND	ND	32		
WS25-64	0-4	April 5, 2025	-	-	139	ND	ND	ND	ND	ND	ND	ND	ND		
WS25-65	0-4	April 5, 2025	-	-	187	ND	ND	ND	ND	ND	ND	ND	64		
WS25-66	0-4	April 5, 2025	-	-	174	ND	ND	ND	ND	ND	ND	ND	16		
BS25-67	0	April 5, 2025	-	-	103	ND	ND	ND	ND	ND	ND	ND	32		
BS25-68	0	April 5, 2025	-	-	204	ND	ND	ND	ND	ND	ND	ND	112		
BS25-69	0	April 5, 2025	-	-	205	ND	ND	ND	ND	ND	ND	ND	32		
BS25-70	0	April 5, 2025	-	-	116	ND	ND	ND	ND	ND	ND	ND	32		
			losure Crite	ria for Ma				_							
Backfill-01	0	April 7, 2025	-	-	208	ND	ND	ND	ND	ND	ND	ND	96		
Backfill-02	0	April 7, 2025	-	-	219	ND	ND	ND	ND	ND	ND	ND	80		



APPENDIX A

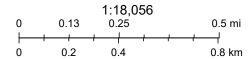
Rumble State #4H - DTGW



1/9/2025, 10:08:10 AM

OSE Water PODs Land Ownership

Р



U.S. BLM, Esri, NASA, NGA, USGS, FEMA, OCD, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri,



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been

been (R:
replaced be
& no longer repserves a O=
water right C=

(R=POD has been replaced, O=orphaned, C=the file is

(quarters are smallest to

me.)	ciosea)			larges	t)								(meters)		(in ieet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance		Depth Water	
RA 08146		RA	ED	SE	SE	SW	28	18S	25E	547693.0	3619576.0 *	•	1487	400		
RA 04344		RA	СН		NW	NW	21	18S	25E	547168.0	3622497.0 *	•	1567	381	220	161
RA 04365		RA	СН		NW	NW	21	18S	25E	547168.0	3622497.0 *		1567	265	150	115

Average Depth to Water: 185 feet

Minimum Depth: 150 feet

Maximum Depth: 220 feet

Record Count: 3

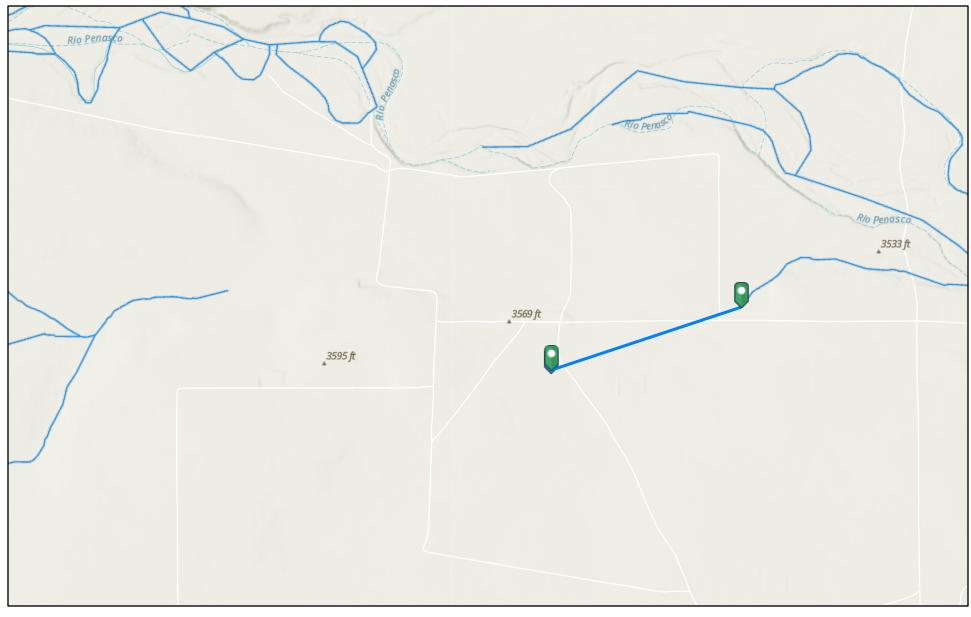
UTM Filters (in meters):

Easting: 547081 **Northing:** 3620932 **Radius:** 1616.0

* 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.

Rumble State #4H - Watercourse



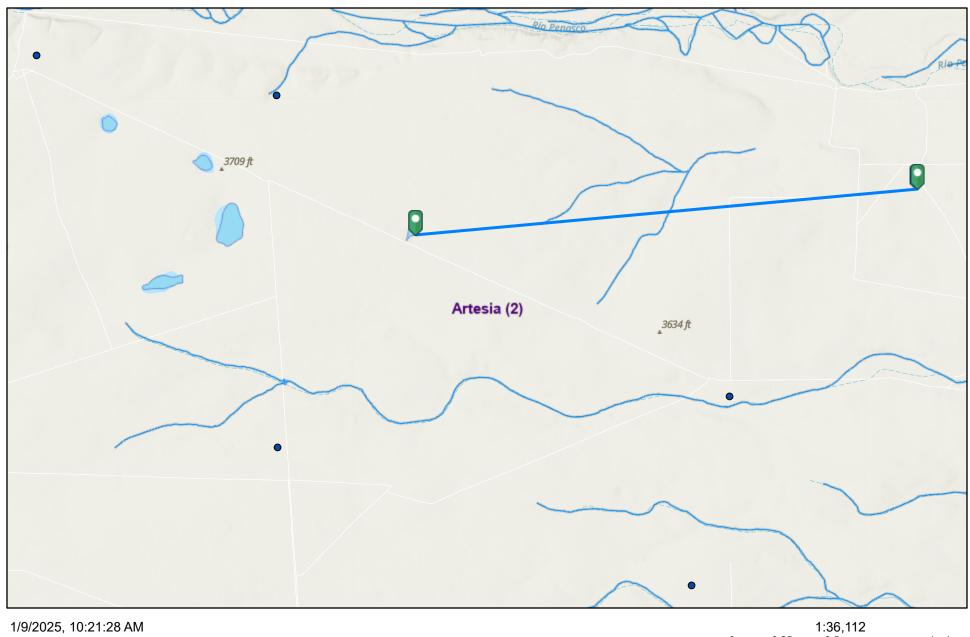
1/9/2025, 10:18:53 AM

OSE Streams

1:18,056 0 0.13 0.25 0.5 mi 0 0.2 0.4 0.8 km

Esri, NASA, NGA, USGS, FEMA, OCD, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri, TomTom, Garmin,

Rumble State 4H - Lake



OSE Water PODs

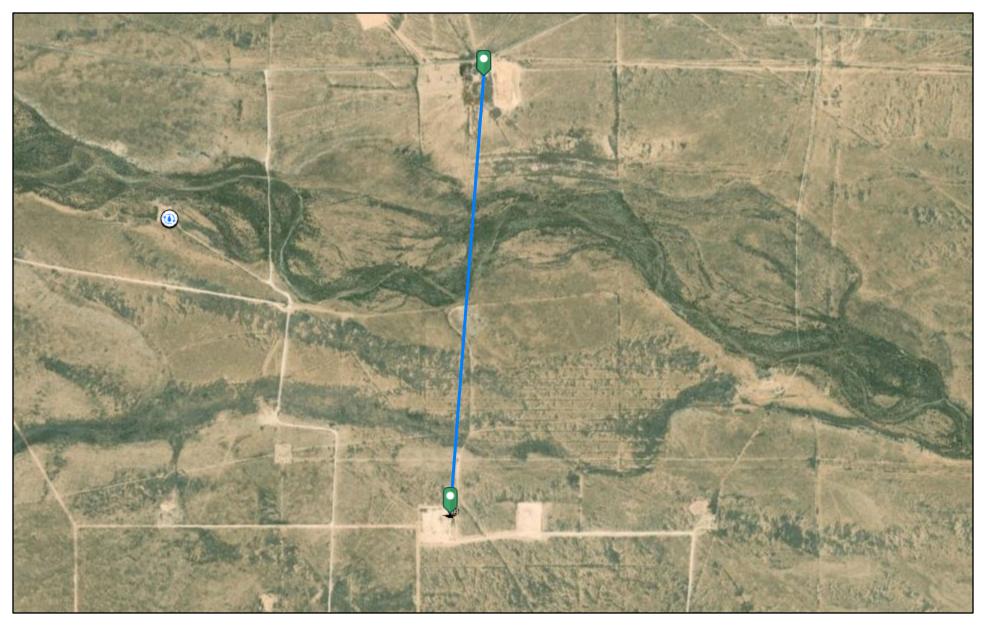
OSE Streams

OSW Water Bodys OCD Districts

0.5 0.25 1 mi 0.4 8.0 1.6 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,

Rumble State #4H - Residence



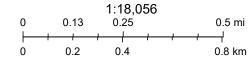
2/17/2025, 12:40:21 PM

Incident Release



Produced Water Release





Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Esri, HERE, Garmin, iPC, Maxar



New Mexico Office of the State Engineer Active & Inactive Points of Diversion

			(acre ft per annum)				and no l				(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)					(NAD83 UTM in meters) (n			(meters)	(meters)			(in feet)
WR File Nbr	Sub basin	Use	Diversion	County	POD Number	Well Tag	Code	Grant	Source	q64	q16	q4	Sec	Tws	Range	X	Y	Мар	Distance	Start Date	End Date	Depth Well	Depth Water
RA 04344	RA	DOL	3.000	СН	RA 04344				Shallow		NW	NW	21	18S	25E	547168.0	3622497.0 *		1,567.4	1960-12-02	1960-12-13	381	220
RA 04365	RA	DOL	3.000	СН	RA 04365				Shallow		NW	NW	21	18S	25E	547168.0	3622497.0 *		1,567.4	1961-01-21	1961-02-01	265	150

Record Count: 2

Filters Applied:

UTM Filters (in meters):

Easting: 547081 **Northing:** 3620932 **Radius:** 1616.0

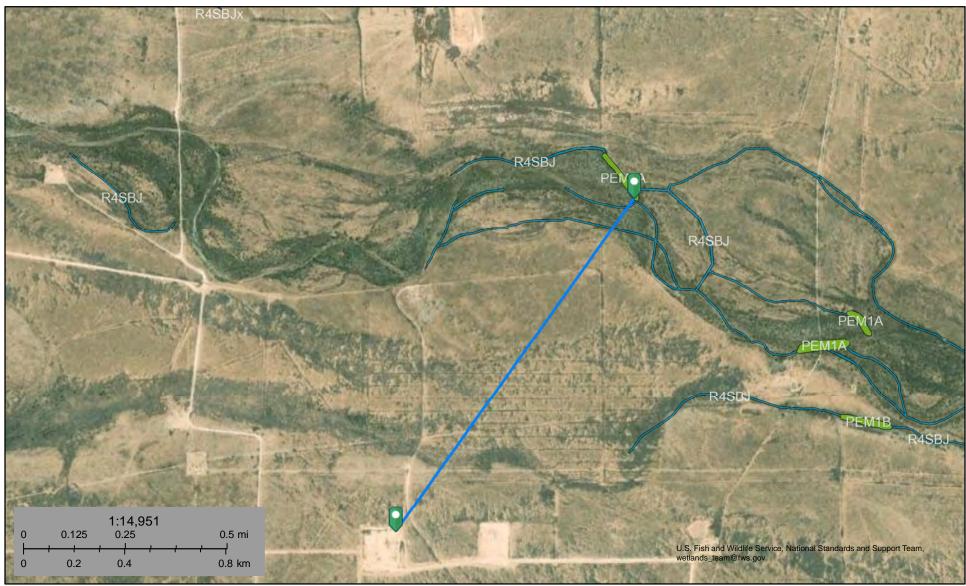
Sorted By: Distance

* 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.



Rumble State #4H - Wetland



January 9, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

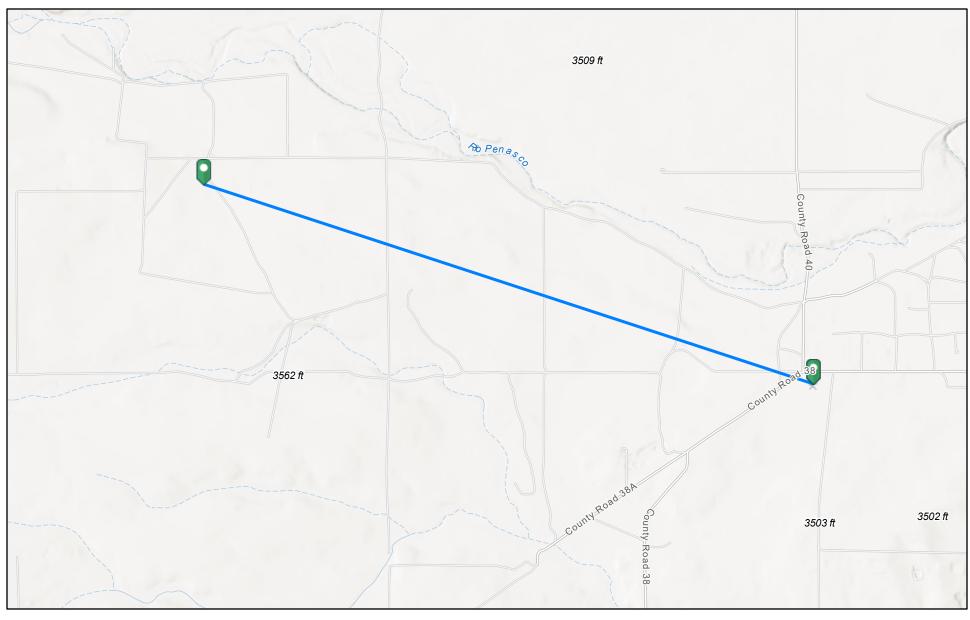
Lake

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.

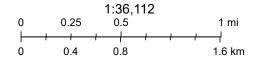
Rumble State #4H - Mine



2/17/2025, 12:46:17 PM

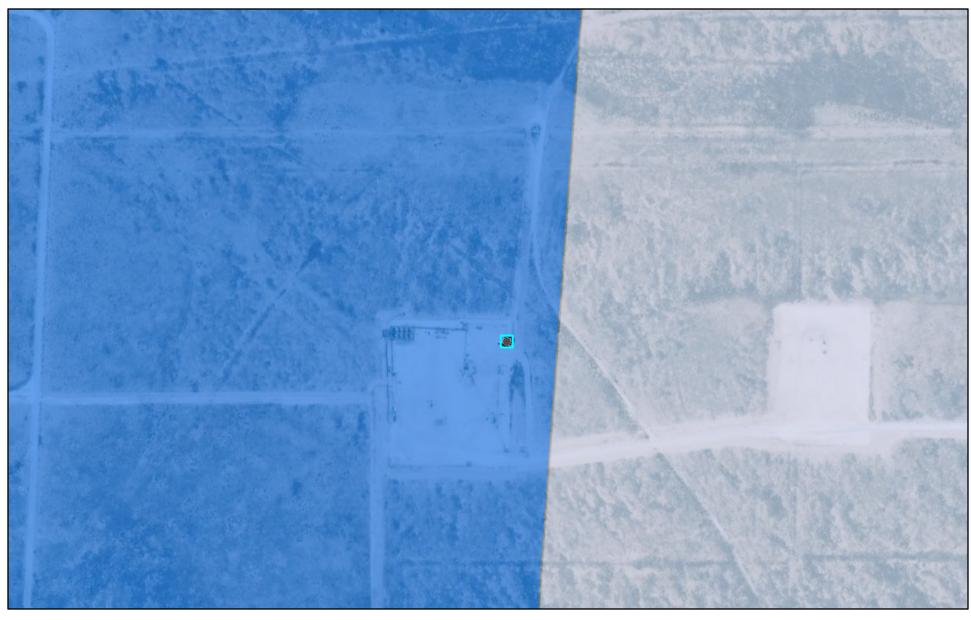
Registered Mines

Aggregate, Stone etc.



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,

Rumble State #4H - Karst



2/17/2025, 12:48:39 PM

Incident Release Karst Occurrence Potential

Lo

_**D**

Oil Release



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Esri, HERE, Garmin,

Received by OCD: 5/28/2025 9:49:57,AM National Flood Hazard Layer FIRMette





104°30'10"W 32°43'46"N Without Base Flood Elevation (BFE) SPECIAL FLOOD **HAZARD AREAS** depth less than one foot or with drainage areas of less than one square mile Zone X Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall AREA OF MINIMAL FLOOD HAZARD Eddy County **Coastal Transect** 350120 Limit of Study OTHER Profile Baseline 35015C0525D **FEATURES** Hydrographic Feature eff. 6/4/2010 MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent accuracy standards become superseded by new data over time.

Legend

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

With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average

> **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to

Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X

- - - Channel, Culvert, or Storm Sewer

20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation ₩ 513 W Base Flood Elevation Line (BFE) Jurisdiction Boundary **Coastal Transect Baseline**

Digital Data Available No Digital Data Available

an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/9/2025 at 6:35 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or

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.

Feet



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

ဖ

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area Stony Spot

å

Very Stony Spot

Ŷ

Wet Spot Other

Δ

Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads Local Roads

00

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

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

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

Custom Soil Resource Report

UR—Upton-Reagan complex, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w65 Elevation: 1,100 to 5,400 feet

Mean annual precipitation: 6 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 180 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 55 percent Reagan and similar soils: 35 percent Minor components: 10 percent

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

Description of Upton

Setting

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

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

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

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

(0.01 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: 75 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 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Custom Soil Resource Report

Hydrologic Soil Group: D

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 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 to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Pima

Percent of map unit: 5 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No



Ecological site R070BC025NM Shallow

Accessed: 02/17/2025

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 knolls, ridges, hillslopes alluvial fans and escarpments. Slopes range fro 0 to 25 percent and average about 7 percent. Direction of slope varies and is usually not significant. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Hill (2) Ridge (3) Fan piedmont
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft
Slope	0–25%
Aspect	Aspect is not a significant factor

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 180 to 220 days. The last killing frost is 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. Because of the shallow soil depth, the vegetation on this site can take advantage of moisture almost anytime it falls. Strong winds that blow from the west and southwest blow from January through June, which accelerates soil drying at 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)	220 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

The soils of this site are shallow to very shallow. Soils are derived from mixed calcareous eolian deposits derived from sedimentary rock. Surface layers are very cobbly loam, very gravelly loam, gravelly loam, cobbly loam, gravelly fine sandy loam or gravelly sandy loam.

There is an indurated caliche layer or limestone bedrock that occurs within 20 inches and averages less than 10 inches. Limestone or caliche layer may be the restrictive layer.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils:

Lozier

Potter

Tencee

Upton

Ector

Kimbrough

Table 4. Representative soil features

Surface texture	(1) Gravelly loam(2) Extremely gravelly loam(3) Extremely cobbly loam
Family particle size	(1) Loamy
Drainage class	Well drained
Permeability class	Very slow to moderately slow
Soil depth	4–20 in
Surface fragment cover <=3"	15–40%
Available water capacity (0-40in)	1 in
Calcium carbonate equivalent (0-40in)	15–60%

Electrical conductivity (0-40in)	0–2 mmhos/cm
Sodium adsorption ratio (0-40in)	0–1
Soil reaction (1:1 water) (0-40in)	7.4–8.4
Subsurface fragment volume <=3" (Depth not specified)	13–42%
Subsurface fragment volume >3" (Depth not specified)	0–1%

Ecological dynamics

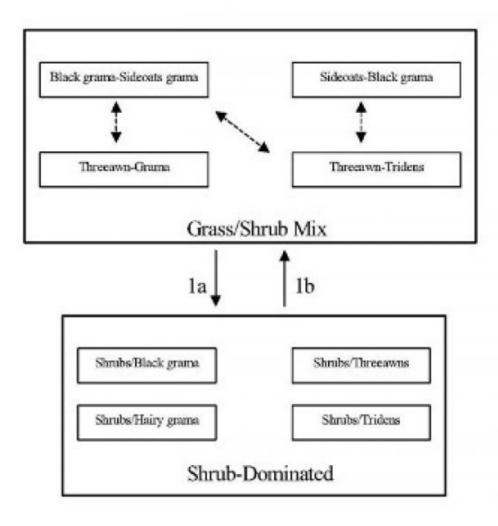
Overview:

The Shallow site is associated with and Limestone Hills, Loamy, and Shallow Sandy sites. When associated with Limestone Hills, the Shallow site occurs on the summits, foot slopes and toeslopes of hills. Loamy sites often occur as areas between low elongated hills with rounded crests (Shallow site). When the Shallow Sandy site and Shallow site occur in association, the Shallow Sandy soils occupy the tops of low ridges and the Shallow site soils occur on the steeper sideslopes of the ridge. The historic plant community of the Shallow site has the aspect of a grassland/shrub mix, dominated by grasses, but with shrubs common throughout the site. Black grama is the dominant grass species; creosotebush, mesquite, and catclaw mimosa are common shrubs. Overgrazing and or extended drought can reduce grass cover, effect a change in grass species dominance, and may result in a shrubdominated state. 1

State and transition model

Plant Communities and Transitional Pathways (diagram)

MLRA-42, SD-3, Shallow



Extended drought, overgrazing, no fire

1b. Brush control, Prescribed grazing

State 1 Grass/Shrub Mix

Community 1.1 Grass/Shrub Mix

Grassland/Shrub Mix: The historic plant community is dominated by black grama with sideoats grama as the sub-dominant. Blue grama, hairy grama, bush muhly, and sand dropseed also occur in significant amounts. Sideoats grama can occur as the dominant grass with black grama as sub-dominant on the western side of the Land Resource Unit SD-3. This may be due to higher average elevation on the west side. Retrogression within this state due to extended drought or overgrazing will cause a decrease in species such as black grama, sideoats grama, blue grama, and bush muhly. Threeawns may become the dominant grass species due to a decline in more palatable grasses or because of its ability to quickly recover following drought. Continued loss of grass cover and associated increase in amount of bare ground may result in a shrub-dominated state. Decreased fire frequencies may also be

an important component in the cause of this transition. Diagnosis: Grass cover is fairly uniform, however, surface gravel, cobble, and bare ground make up a large percent of total ground cover, and grass production during unfavorable years may only average 150-175 pounds per acre. Shrubs are common with canopy cover averaging five to ten percent. Evidence of erosion such as rills and gullies are rare, but may occur on slopes greater than eight percent.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	
Grass/Grasslike	168	352	536
Shrub/Vine	63	131	200
Forb	20	42	64
Total	251	525	800

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	5-10%
Grass/grasslike foliar cover	10-15%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	5-8%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	40-60%

Figure 5. Plant community growth curve (percent production by month). NM2825, R042XC025NM Shallow HCPC. R042XC025NM Shallow HCPC Warm Season Plant Community.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2 Shrub-Dominated

Community 2.1 Shrub-Dominated

Shrub-Dominated: This state is characterized by an increase in shrubs and a decrease in grass cover relative to grassland/shrub mix. As grass cover decreases shrubs increase, especially creosotebush, catclaw mimosa, whitethorn acacia, and mesquite. Each of these shrub species may become dominant in localized areas or across the site, depending on the spatial variability in soil characteristics and landscape position. Black grama, threeawns, hairy grama, or hairy tridens may be the dominant grass species. Fluffgrass, burrograss and broom snakeweed increase in representation. The Shallow site is resistant to state change, due to the natural rock armor of the soil and a shallow impermeable layer. The amount of rock fragments on the soil surface assist in retarding erosion. On Shallow sites with low slope, the shallow depth to either a petrocalcic layer or limestone bedrock helps to keep water perched and available to shallow rooted grasses for extended periods. 2 Diagnosis: Shrubs are the dominant species, especially creosotebush, catclaw mimosa, whitethorn acacia, or mesquite. Grass cover is variable ranging

from patchy with large connected bare areas present to sparse with only a limited amount in shrub inter-spaces. Transition to Shrub-Dominated (1a) Overgrazing and or extended periods of drought, and suppression of natural fire regimes are thought to cause this transition. As grass cover is lost, soil fertility and available soil moisture decline, due to the reduction of organic matter and decreased infiltration.3 Shrubs have the ability to extract nutrients and water from a greater area of soil than grasses and are better able to utilize limited water. Competition by shrubs for water and nutrients limits grass recruitment and establishment. Fire historically may have played a part in suppressing shrub expansion; fire suppression may therefore facilitate shrub expansion. Key indicators of approach to transition: *Decrease or change in composition or distribution of grass cover. *Increase in size and frequency of bare patches. *Increase in amount of shrub seedlings. Transition back to Grassland/Shrub Mix (1b) Brush control is necessary to re-establish grasses. Prescribed grazing will help to ensure proper forage utilization and sustain grass cover. Once the transition is reversed and grass cover is re-established, periodic use of prescribed fire may assist in maintaining the Grassland/Shrub state.

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	
1				105–158	
	black grama	BOER4	Bouteloua eriopoda	105–158	_
2		•		79–105	
	sideoats grama	BOCU	Bouteloua curtipendula	79–105	_
3		•		79–105	
	blue grama	BOGR2	Bouteloua gracilis	79–105	_
	hairy grama	BOHI2	Bouteloua hirsuta	79–105	_
4		•		26–53	
	bush muhly	MUPO2	Muhlenbergia porteri	26–53	_
5		•		16–26	
	cane bluestem	BOBA3	Bothriochloa barbinodis	16–26	_
6		•		26–53	
	sand dropseed	SPCR	Sporobolus cryptandrus	26–53	_
7				16–26	
	hairy woollygrass	ERPI5	Erioneuron pilosum	16–26	_
8				5–16	
	ear muhly	MUAR	Muhlenbergia arenacea	5–16	_
9		•		5–16	
	New Mexico feathergrass	HENE5	Hesperostipa neomexicana	5–16	_
10		•		5–16	
	low woollygrass	DAPU7	Dasyochloa pulchella	5–16	_
11		•		16–26	
	Grass, perennial	2GP	Grass, perennial	16–26	_
Forb		•		•	•
12				11–26	
	stemless four-nerve daisy	TEACE	Tetraneuris acaulis var. epunctata	11–26	_
13		•		5–16	
	woolly groundsel	PACA15	Packera cana	5–16	_

14	1			o-10	
	globemallow	SPHAE	Sphaeralcea	5–16	_
15				5–16	
	bladderpod	LESQU	Lesquerella	5–16	_
16				5–16	
	cassia	CASSI	Cassia	5–16	_
17				11–26	
	Forb (herbaceous, not grass nor grass-like)	2FORB	Forb (herbaceous, not grass nor grass-like)	11–26	_
Shru	ıb/Vine				
18				5–16	
	littleleaf sumac	RHMI3	Rhus microphylla	5–16	_
19		•		5–16	
	creosote bush	LATR2	Larrea tridentata	5–16	_
20				5–16	
	littleleaf ratany	KRER	Krameria erecta	5–16	
21				5–16	
	javelina bush	COER5	Condalia ericoides	5–16	
22				5–16	
	American tarwort	FLCE	Flourensia cernua	5–16	_
23				5–16	
	crown of thorns	KOSP	Koeberlinia spinosa	5–16	
24				11–26	
	honey mesquite	PRGL2	Prosopis glandulosa	11–26	_
	honey mesquite	PRGL2	Prosopis glandulosa	11–26	
25				5–16	
	catclaw mimosa	MIACB	Mimosa aculeaticarpa var. biuncifera	5–16	_
26		•		5–16	
	pricklypear	OPUNT	Opuntia	5–16	_
27		-	•	11–26	
	mariola	PAIN2	Parthenium incanum	11–26	_
	mariola	PAIN2	Parthenium incanum	11–26	_
28		•	•	5–16	
	broom snakeweed	GUSA2	Gutierrezia sarothrae	5–16	
29		1		16–26	
	Shrub (>.5m)	2SHRUB	Shrub (>.5m)	16–26	_

Animal community

This site provides habitats which support a resident animal community that is characterized by desert cottontail, spotted ground squirrel, Merriam's kangaroo rat, cactus mouse, white-throated woodrat, gray fox, spotted skunk, roadrunner, Swainson's hawk, white-necked raven, cactus wren, pyrrhuloxia, lark sparrow, mourning dove, scaled quail, leopard lizard, round-tailed horned lizard, prairie rattlesnake, marbled whiptail, and greater earless lizard. Where associated with limestone hills, mule deer utilize this site.

Where large woody shrubs occur, most resident birds and scissor-tailed flycatcher, morning dove, lark sparrow and

Swainson's hawk nest.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations
Soil Series Hydrologic Group
Lozier D
Potter C
Tencee D
Upton C
Kimbrough D
Upton D
Ector D

Recreational uses

This site offers recreation potential for hiking, horseback riding, rock hunting, nature photography and bird hunting and birding. During years of abundant spring moisture, a colorful array of wild flowers is displayed during May and June. A few summer and fall flowers also occur.

Wood products

This site has no potential for wood production.

Other products

This site is suited for grazing by all kinds and classes of livestock during all seasons of the year. Missmanagement will cause a decrease in black grama, sideoats grama, and blue grama, bush muhly and New Mexico feathergrass. A corresponding increase in bare ground will occur. There will also be an increase in muhlys, fluffgrass, creosotebush, javalinabush, catclaw, and mesquite. This site will respond best to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month Similarity Index----- Ac/AUM 100 - 76------ 3.7 - 4.5 75 - 51------ 4.3 - 5.5 50 - 26----- 5.3 - 10.0 25 - 0----- 10.1 +

Inventory data references

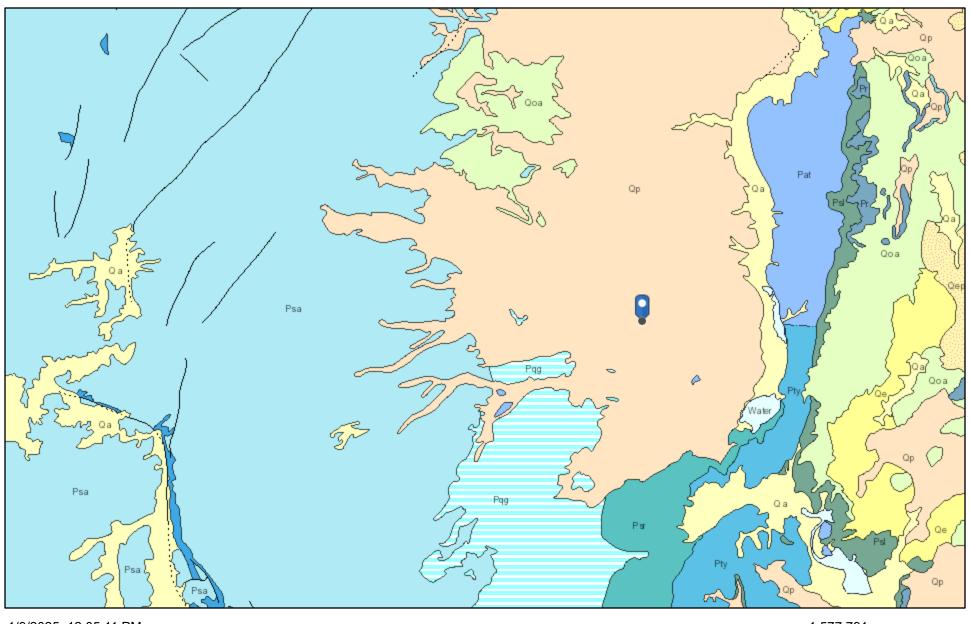
Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico (SD-3). This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

1. Humphrey, R.R. 1974. Fire in the deserts and desert grassland of North America. In: Kozlowski, T. T.; Ahlgren, C. E., eds. Fire and ecosystems. New York: Academic Press: 365-400.

Rumble State #4H - Geology



1:577,791 8.5 1/9/2025, 12:05:11 PM 4.25 17 mi Lithologic Units Playa—Alluvium and evaporite deposits (Holocene) 20 km Water—Perenial standing water Esri, CGIAR, USGS, NMBGMR, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Qa—Alluvium (Holocene to upper Pleistocene)

APPENDIX B



RE: [EXTERNAL] Variance Request Submission – Rumble State #4H (30-015-45749): nAPP2433927741

From Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Date Mon 4/7/2025 11:05 AM

- **To** Fernando Rodriguez <frodriguez@silverbackexp.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
- Cc Boone Bajgier

 Sbajgier@novoog.com>; Wade Chapman <wchapman@silverbackexp.com>; Rafael Alvizo <ralvizo@silverbackexp.com>; Justin Carter <jcarter@novoog.com>; Fatma Abdallah <fabdallah@silverbackexp.com>

Good morning,

The variance request to complete confirmation sampling every 400 square feet is approved. The request to use delineation samples as confirmation samples is denied. Confirmation soil samples must consist of five-point composite samples from the side wall and base of the entire spill area and individual grab samples from any wet or discolored areas. Prior to starting confirmation sampling, please provide two business day Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Please submit the closure report to the OCD by 06/09/2025.

Thank you, Scott

Scott Rodgers • Environmental Specialist – Adv.

Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



From: Fernando Rodriguez <frodriguez@silverbackexp.com>

Sent: Monday, March 31, 2025 9:52 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Boone Bajgier

bbajgier@novoog.com>; Wade Chapman <wchapman@silverbackexp.com>; Rafael Alvizo <ralvizo@silverbackexp.com>; Justin Carter <jcarter@novoog.com>; Fatma Abdallah

<fabdallah@silverbackexp.com>

Subject: [EXTERNAL] Variance Request Submission – Rumble State #4H (30-015-45749): nAPP2433927741

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

Good morning,

Please find attached a formal variance request for the confirmation sampling at the Rumble State #4H (30-015-45749) - nAPP2433927741. Please review the attached letter and let us know if you need any additional information or if a Teams meeting would be beneficial. We appreciate your time and consideration.

Thank you,

Fernando Rodriguez B.Sc.

Environmental Consultant

Silverback Operating II, LLC. 108 South 4th Street, Artesia, New Mexico 88210

P 575.725.5001 ext.714 C 575.361.4509 F 403.299.3969

Home | Silverback Exploration

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APPENDIX C

	1	V		y y	
V	E	D	_	E	×

Client	Silverback Operating II, LLC	Inspection Date	4/4-7/2025
Site Location Name	Rumble State #4H	API#	30-015-45749
Client Contact Name	Rafael Alvizo	Project Owner	
Client Contact Phone #		Project Manager	
Project Reference #			
Unique Project ID			
	S	Summary of Times	
Arrived at Site			
Departed Site			
		Field Notes	

- Excavation and remediated areas prior to backfill activities (Pages 2-7)
- Restored/reclaimed areas after backfill activities (Pages 8-12)

Next Steps & Recommendations

1



Excavation/Remediated Areas Prior to Backfill



4ft Excavation Areas

4ft Excavation Areas



Viewing Direction: South

4ft Excavation Areas



4ft Excavation Areas



Excavation/Remediated Areas Prior to Backfill



Overview of excavation/scrape areas





Overview of excavation/scrape areas



Overview of excavation/scrape areas



Excavation/Remediated Areas Prior to Backfill



Overview of excavation/scrape areas



Overview of excavation/scrape areas



Overview of excavation/scrape areas



Overview of excavation/scrape areas



Excavation/Remediated Areas Prior to Backfill



Overview of excavation/scrape areas



Viewing Direction: North

Overview of excavation/scrape areas



Viewing Direction: North



Excavation/Remediated Areas Prior to Backfill



Overview of excavation/scrape areas



Viewing Direction: South



Overview of excavation/scrape areas



Overview of excavation/scrape areas



Excavation/Remediated Areas Prior to Backfill

Viewing Direction: Northwest



Overview of excavation/scrape areas

Viewing Direction: West



Overview of excavation/scrape areas





Overview of excavation/scrape areas



Restored/Reclaimed Areas After Backfill Activities



Overview of backfilled/reclaimed areas



Viewing Direction: Northeast

Overview of backfilled/reclaimed areas



Overview of backfilled/reclaimed areas



Restored/Reclaimed Areas After Backfill Activities



Overview of backfilled/reclaimed areas



Overview of backfilled/reclaimed areas







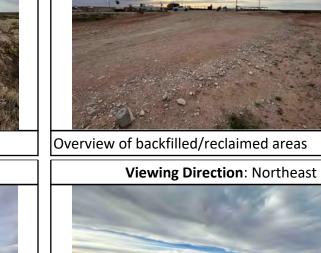
Overview of backfilled/reclaimed areas



Restored/Reclaimed Areas After Backfill Activities



Overview of backfilled/reclaimed areas





Overview of backfilled/reclaimed areas



Viewing Direction: Northwest

Overview of backfilled/reclaimed areas



Restored/Reclaimed Areas After Backfill Activities



Overview of backfilled/reclaimed areas



Viewing Direction: Southwest

Viewing Direction: South



Overview of backfilled/reclaimed areas



Overview of backfilled/reclaimed areas



Restored/Reclaimed Areas After Backfill Activities



Overview of backfilled/reclaimed areas



Overview of backfilled/reclaimed areas



Overview of backfilled/reclaimed areas



Overview of backfilled/reclaimed areas



Daily Site Visit Signature

Inspector: Fernando Rodriguez

Signature:

APPENDIX D



April 17, 2025

CHANCE DIXON
VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: RUMBLE STATE #4H

Enclosed are the results of analyses for samples received by the laboratory on 04/14/25 11:48.

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)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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 CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Reported: 04/17/2025 Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Sample ID: BS25 - 01 0.5FT (H252203-01)

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	<16.0	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	78.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.9	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 02 0.5FT (H252203-02)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	6 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	<16.0	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	77.4 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.2 9	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 03 0.5FT (H252203-03)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	75.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	70.7	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported:

04/17/2025 Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 04 0.5FT (H252203-04)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	336	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	78.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.9	% 40.6-15	3						

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04/04/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 05 0.5FT (H252203-05)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	304	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	74.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	69.4	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025

Reported: 04/17/2025 Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 06 0.5FT (H252203-06)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 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	304	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	74.6	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H** Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 07 0.5FT (H252203-07)

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	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	272	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.8	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

mg/kg

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 08 0.5FT (H252203-08)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 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	288	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	75.2	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	70.0	% 40.6-15	3						

Analyzed By: JH

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 09 0.5FT (H252203-09)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	304	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.5	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 10 0.5FT (H252203-10)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 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	288	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	82.8 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	77.6	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130 Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 11 0.5FT (H252203-11)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	304	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	74.0	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

04/17/2025 RUMBLE STATE #4H

Project Name: RUMBLE ST Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 12 0.5FT (H252203-12)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	288	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.1	% 40.6-15	3						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported:

04/17/2025 **RUMBLE STATE #4H**

Project Name: Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 13 0.5FT (H252203-13)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	< 0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	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	304	16.0	04/15/2025	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	04/15/2025	ND	188	94.2	200	4.12	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.1	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.3 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.6	% 40.6-15	3						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H** Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 15 0.5FT (H252203-15)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	< 0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.3	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

 Received:
 04/14/2025
 Sampling Date:
 04/04/2025

 Reported:
 04/17/2025
 Sampling Type:
 Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 16 0.5FT (H252203-16)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	304	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.2	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H
Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 17 0.5FT (H252203-17)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	320	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	79.7	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: SILVERBACK - EDDY CO., NM

mg/kg

Sample ID: BS25 - 18 OFT (H252203-18)

BTEX 8021B

	9/	9	7	<u></u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	32.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	80.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.8	% 40.6-15	3						

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04/04/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 19 OFT (H252203-19)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	< 0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	< 0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	16.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	77.3 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.2 9	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 20 OFT (H252203-20)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	32.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	85.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	81.3	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 21 OFT (H252203-21)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	86.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	81.8	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 22 0.5FT (H252203-22)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 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	224	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	75.4	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 23 4FT (H252203-23)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	32.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.8	% 40.6-15	3						

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04/04/2025

Soil

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type:

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: SILVERBACK - EDDY CO., NM

mg/kg

Sample ID: BS25 - 24 0.5FT (H252203-24)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 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	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	83.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.5	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

mg/kg

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 25 0.5FT (H252203-25)

BTEX 8021B

DILX GOZID	11197	ng .	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	< 0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	< 0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	240	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	81.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.6	% 40.6-15	3						

Analyzed By: JH

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 26 OFT (H252203-26)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	32.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	83.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	79.5	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H
Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 27 OFT (H252203-27)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.6	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025 Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 28 OFT (H252203-28)

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	04/15/2025	ND	2.11	105	2.00	0.667	
Toluene*	<0.050	0.050	04/15/2025	ND	2.15	107	2.00	0.516	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.10	105	2.00	0.974	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.20	103	6.00	0.945	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 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	16.0	16.0	04/15/2025	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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.7	% 40.6-15	3						

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04/04/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 29 0.5FT (H252203-29)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 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	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	82.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.6	% 40.6-15	3						

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04/04/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 30 4FT (H252203-30)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 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	<16.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	88.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.7	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 31 0.5FT (H252203-31)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 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	224	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.6	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

mg/kg

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 32 0.5FT (H252203-32)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 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	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.2	% 40.6-15	3						

Analyzed By: JH

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: SILVERBACK - EDDY CO., NM

mg/kg

Sample ID: BS25 - 33 OFT (H252203-33)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 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	16.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	87.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.4	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: RUMBLE STATE #4H

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 34 OFT (H252203-34)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	168	83.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	169	84.3	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	77.3	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H**

Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 35 0.5FT (H252203-35)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 9	6 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	256	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	72.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.3	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 36 4FT (H252203-36)

RTFY 8021R

50 (c) 50 (c) 50 (c)	0.050 0.050 0.050 0.050 0.150 0.300	Analyzed 04/15/2025 04/15/2025 04/15/2025 04/15/2025	Method Blank ND ND ND ND	BS 1.82 1.91 1.88 6.37	% Recovery 90.8 95.3 94.1	True Value QC 2.00 2.00 2.00	RPD 1.03 1.78 2.06	Qualifier
50 (50 (0.050 0.050 0.150	04/15/2025 04/15/2025 04/15/2025	ND ND	1.91 1.88	95.3 94.1	2.00	1.78	
50 (50 (0.050 0.150	04/15/2025 04/15/2025	ND	1.88	94.1			
50 (0.150	04/15/2025				2.00	2.06	
			ND	6.37	400			
00 0	0.300	04/45/2025			106	6.00	0.253	
		04/15/2025	ND					
127 %	71.5-134							
mg/kg		Analyze	d By: KV					
lt Repo	rting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
D	16.0	04/15/2025	ND	400	100	400	3.92	
mg/kg		Analyze	d By: MS					
lt Repo	rting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
.0	10.0	04/15/2025	ND	182	91.0	200	0.315	
.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
.0	10.0	04/15/2025	ND					
80.9 %	44.4-145							
31.0 %	40.6-153							
	.0	Reporting Limit .0 10.0 .0 10.0 .0 10.0 .0 44.4-145	Analyzed .0 10.0 04/15/2025 .0 10.0 04/15/2025 .0 10.0 04/15/2025 .0 10.0 04/15/2025	Analyzed Method Blank 1.0 10.0 04/15/2025 ND 1.0 10.0 04/15/2025 ND 1.0 10.0 04/15/2025 ND 1.0 10.0 04/15/2025 ND 1.0 44.4-145	Analyzed Method Blank BS .0 10.0 04/15/2025 ND 182 .0 10.0 04/15/2025 ND 178 .0 10.0 04/15/2025 ND .0 40.0 04/15/2025 ND .0 44.4-145	Analyzed Method Blank BS % Recovery .0 10.0 04/15/2025 ND 182 91.0 .0 10.0 04/15/2025 ND 178 89.0 .0 10.0 04/15/2025 ND .0 44.4-145	Analyzed Method Blank BS % Recovery True Value QC .0 10.0 04/15/2025 ND 182 91.0 200 .0 10.0 04/15/2025 ND 178 89.0 200 .0 10.0 04/15/2025 ND .0 10.0 04/15/2025 ND .0 10.0 44.4-145	Analyzed Method Blank BS % Recovery True Value QC RPD 10.0 10.0 04/15/2025 ND 182 91.0 200 0.315 10.0 10.0 04/15/2025 ND 178 89.0 200 0.864 10.0 10.0 04/15/2025 ND 178 89.0 200 0.864 10.0 10.0 04/15/2025 ND

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 37 4FT (H252203-37)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 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	16.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.0	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported:

04/17/2025

Project Name: **RUMBLE STATE #4H** Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/05/2025

Sampling Type: Soil

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

Sample ID: BS25 - 38 OFT (H252203-38)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 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	32.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	86.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.5	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 39 OFT (H252203-39)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	130	% 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	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	81.1	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

04/17/2025

Project Name: RUMBLE STATE #4H
Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM

Sampling Date: 04/04/2025

Sampling Type: Soil

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

Sample ID: BS25 - 40 4FT (H252203-40)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 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	32.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	87.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.2	% 40.6-15	3						

Analyzed By: JH

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 41 0.5FT (H252203-41)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 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	272	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.1	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 42 OFT (H252203-42)

BTEX 8021B	mg/	kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	140 %	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	48.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	85.7 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	86.5	% 40.6-15	3						

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04/04/2025

Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 43 0.5FT (H252203-43)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	130 9	% 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	304	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.9	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

 Received:
 04/14/2025
 Sampling Date:
 04/04/2025

 Reported:
 04/17/2025
 Sampling Type:
 Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 44 0.5FT (H252203-44)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	87.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.7	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

 Received:
 04/14/2025

 Reported:
 04/17/2025

 Sampling Date:
 04/04/2025

 Sampling Type:
 Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 45 OFT (H252203-45)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 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	32.0	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	58.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	57.5	% 40.6-15	3						

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04/04/2025

Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil Project Name: **RUMBLE STATE #4H** Sampling Condition:

Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 46 0.5FT (H252203-46)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 9	% 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	288	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	76.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.9	% 40.6-15	3						

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Celey D. Keene



04/04/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 47 0.5FT (H252203-47)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 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	304	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	75.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	75.6	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 48 0.5FT (H252203-48)

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	04/15/2025	ND	1.82	90.8	2.00	1.03	
Toluene*	<0.050	0.050	04/15/2025	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	1.88	94.1	2.00	2.06	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.37	106	6.00	0.253	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 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	288	16.0	04/15/2025	ND	400	100	400	3.92	
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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	80.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.7	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/04/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 49 0.5FT (H252203-49)

RTFY 8021R

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	320	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	67.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	67.6	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 50 0.5FT (H252203-50)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	32.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	67.6	% 44.4-14	25						
Surrogate: 1-Chlorooctadecane	67.9	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

mg/kg

Reported: 04/17/2025 Sampling Type: Soil
Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact

Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 51 0.5FT (H252203-51)

BTEX 8021B

DILX GOZID	ıııg,	- Kg	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	320	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	82.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.8	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 52 0.5FT (H252203-52)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	48.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.9	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 53 0.5FT (H252203-53)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	320	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	73.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	74.0	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 54 0.5FT (H252203-54)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	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	32.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	182	91.0	200	0.315	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	178	89.0	200	0.864	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	79.7 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	80.49	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

 Received:
 04/14/2025
 Sampling Date:
 04/05/2025

 Reported:
 04/17/2025
 Sampling Type:
 Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 55 0.5FT (H252203-55)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	288	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	76.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.4	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 56 0.5FT (H252203-56)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 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	16.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.3	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 57 0.5FT (H252203-57)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	144	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	101	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	100	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil **RUMBLE STATE #4H**

Project Name: Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 58 0.5FT (H252203-58)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	80.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	97.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.0	% 40.6-15	3						

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04/05/2025

Soil

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type:

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 59 0.5FT (H252203-59)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.4	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025 Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 60 0.5FT (H252203-60)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	< 0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	6 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	144	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	100 %	6 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.0	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Reported: 04/17/2025

Project Name: **RUMBLE STATE #4H** Project Number: 24E-05130

Project Location: SILVERBACK - EDDY CO., NM Sampling Date: 04/05/2025

Sampling Type: Soil

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

Sample ID: WS25 - 61 0.5FT (H252203-61)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 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	144	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	98.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.9	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil
Project Name: RUMBLE STATE #4H Sampling Condition: Coo

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 62 0.5FT (H252203-62)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	112	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	86.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.7	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: Reported: 04/17/2025 Sampling Type:

Reported: 04/17/2025 Sampling Type: Soil
Project Name: RUMBLE STATE #4H Sampling Condition: Coo

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 63 0-4FT (H252203-63)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	103	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 64 0-4FT (H252203-64)

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	04/15/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/15/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	<16.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	98.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.7	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 65 0-4FT (H252203-65)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/16/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	< 0.050	0.050	04/16/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	64.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	88.1	% 44.4-14	25						
Surrogate: 1-Chlorooctadecane	87.3	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025

Reported: 04/17/2025 Sampling Type: Soil Project Name: RUMBLE STATE #4H Sampling Condition: Coo

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Sampling Date:

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: WS25 - 66 0-4FT (H252203-66)

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	04/16/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/16/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	16.0	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	89.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	87.1	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

 Received:
 04/14/2025
 Sampling Date:
 04/05/2025

 Reported:
 04/17/2025
 Sampling Type:
 Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 67 OFT (H252203-67)

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	04/16/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/16/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.2	% 40.6-15	3						

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Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date: 04/05/2025

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 68 OFT (H252203-68)

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	04/16/2025	ND	2.00	100	2.00	0.126	
Toluene*	<0.050	0.050	04/16/2025	ND	2.09	105	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.32	116	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	7.11	118	6.00	2.67	
Total BTEX	<0.300	0.300	04/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	112	16.0	04/15/2025	ND	400	100	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	95.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.6	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 69 OFT (H252203-69)

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	04/15/2025	ND	2.17	109	2.00	1.20	
Toluene*	<0.050	0.050	04/15/2025	ND	2.27	113	2.00	0.920	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.13	106	2.00	0.876	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.43	107	6.00	0.883	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	32.0	16.0	04/15/2025	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	99.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.2	% 40.6-15	3						

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04/05/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BS25 - 70 OFT (H252203-70)

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	04/15/2025	ND	2.17	109	2.00	1.20	
Toluene*	<0.050	0.050	04/15/2025	ND	2.27	113	2.00	0.920	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.13	106	2.00	0.876	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.43	107	6.00	0.883	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	32.0	16.0	04/15/2025	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.8	% 40.6-15	3						

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04/07/2025

Analytical Results For:

VERTEX RESOURCE CHANCE DIXON 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: RUMBLE STATE #4H Sampling Condition: Cool & Intact
Project Number: 24E-05130 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BACKFILL - 01 (H252203-71)

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	04/15/2025	ND	2.17	109	2.00	1.20	
Toluene*	<0.050	0.050	04/15/2025	ND	2.27	113	2.00	0.920	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.13	106	2.00	0.876	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.43	107	6.00	0.883	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	04/15/2025	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	97.0	% 40.6-15	3						

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04/07/2025

Analytical Results For:

VERTEX RESOURCE **CHANCE DIXON** 3101 BOYD DRIVE CARLSBAD NM, 88220 Fax To: NA

Received: 04/14/2025 Sampling Date:

Reported: 04/17/2025 Sampling Type: Soil

Project Name: **RUMBLE STATE #4H** Sampling Condition: Cool & Intact Sample Received By: Project Number: 24E-05130 Shalyn Rodriguez

Project Location: SILVERBACK - EDDY CO., NM

Sample ID: BACKFILL - 02 (H252203-72)

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	04/15/2025	ND	2.17	109	2.00	1.20	
Toluene*	<0.050	0.050	04/15/2025	ND	2.27	113	2.00	0.920	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.13	106	2.00	0.876	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	6.43	107	6.00	0.883	
Total BTEX	<0.300	0.300	04/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	04/15/2025	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	04/15/2025	ND	190	94.9	200	2.03	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	181	90.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					
Surrogate: 1-Chlorooctane	89.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.4	% 40.6-15	3						

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Celey D. Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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State: NM Zip: 88220 Address: 108 dd ns.	Project Manager:	Chance Dixon							٦.	9. #	1"					_	_	_			_					_				
Carisbad	Address:	3101 Boyd Dr							S	mp m	any		Silverback Exp	oration		_	_	_			_			_						
Bit 575-988-2881 Fax#:		State: NM	Zip:	882	20				A	ä	Raf	ael A	lviso			_	_	_			_						_			
24E-05130 Project Owner: State: NM ZIp: 88210 Anne: FRodriguez FRODRIGU	e #:								A	dre	SS:	108	S. 4th St.			_	_				_									
State Stat									C		Art	Bisa				_	_	_			_					_	_			
F Eddy County, NM	ame:	umble State #4H							St	ate:	Z	-	Zip: 88210			_														_
Sample I.D.	Project Location:	Eddy County, NM							ㅁ	lone	#																			
Sample I.D.	Sampler Name:	F.Rodriguez		1	1			4	표	×	2	į	ONI IDINA			_	_	_						_						
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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Company Name:	Vertex Resource Services										18	BILL 10		1	-	+	Ⅎչ	ANA	1000		1	78	4	1	1	\dashv		\dashv	_
Project Manager:	Chance Dixon							٦.	P.O. #:	1							_												
Address:	3101 Boyd Dr							S	mp	Company:		Silverback Exploration	oration				_											_	_
City: Carlsbad	State: NM	Zip: 88220	8822	00				Attn:		Rafa	ael A	Rafael Alviso			_		_									_			
Phone #: 575-98	575-988-2681 Fax #:							Ad	dre	SS:	108	Address: 108 S. 4th St.			_	_												-	
Project #: 24E-05130	5130 Project Owner:							City:		Artesia	Sia					_				_								_	
Project Name: Rumble State #4H	umble State #4H							St	te:	State: NM		Zip: 88210				-	_											_	-
Project Location:	Eddy County, NM							모	Phone #:	#						_	_									_		_	
Sampler Name:	F.Rodriguez							Fa	Fax #:		ı									_								_	
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Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)													
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X	BS25-18 0ft	C	_			×	-	-		×		4/4/25	13:25	×	×	×	+		T	+		+	_		+	_		+	_
2	BS25-19 0ft	C	_			×	-	-	Т	×		4/4/25	13:30	×	×	×	+		T	+					+	1		+	
0	BS25-20 0ft	C	_		-	×	-	+		×		4/4/25	13:35	×	×	×	_		\top	+					+	-		+	
2	BS25-21 0ft	C	_			×	-	-		×		4/4/25	13:40	×	×	×	+		T	_		+			+			+	
2	BS25-22 0.5ft	C	_			×	_			×		4/4/25	13:45	×	×	×	_		T	+		†	L		+			+	
3	BS25-23 4ft	C	1			×	-			×		4/4/25	13:50	×	×	×	_		\top	+		+			+			+	
2	BS25-24 0.5ft	C	_			×	-	-		×		4/4/25	13:55	×	×	×	+		\top	+		+			+			+	
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Page 75 of 79

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 boratories

(575) 393-2326 FAX (575) 393-2476

Company Name: Vertex Resource Services	ces		DII T	2					
			DILL 10	•			ANAL	NALYSIS REQUEST	ST
Project Manager: Chance Dixon			P.O. #:		_	_			
Address: 3101 Boyd Dr			Company: Silverba	Silverback Exploration					
	State: NM Zip: 88220		<u>e</u> /			_		_	
Phone #: 575-988-2681 Fa	Fax #:		Address: 108 S. 4th St	St.					
Project #: 24E-05130 Pr	Project Owner:		City: Artesia						
Project Name: Rumble State #4H			State: NM Zip: 88210	8210					
Project Location: Eddy County, NM			Phone #:						
			Fax #:			_			
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		2			хт	4500)	4500)		
Lab I.D. Sample I.D.	(G)RAB OR (C # CONTAINER	GROUNDWAT WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	TPH: (8015) E	Shlorida (SM	Chloride (SM 4		
<i>최</i> 기 BS25-27 0ft	C 1	×	X 4/4/25	5 14:10	×	×	×		
→ BS25-28 0ft					×	-	×		
<i>≫</i> BS25-29 0.5ft					×		×		
SO BS25-30 4ft					×		×		
8) BS25-31 0.5ft					×		×		
32 BS25-32 0.5ft	C 1	×	X 4/4/25		×	×	×		
33 BS25-33 Oft	C 1	×	X 4/4/25	5 14:40	×	×	×		
BS25-34 0ft	C 1	×	X 4/4/25	5 14:45	×	×	×		
35 BS25-35 0.5ft	C 1	×	X 4/4/25		×	×	×		
30 BS25-36 4ft	C 1	×	X 4/4/25		×	×	×		
3'7 BS25-37 4ft	C 1	×	X 4/5/25	5 8:00	×	×	×		
58 BS25-38 0ft	C 1	×	X 4/5/25		×	×	×		
39 BS25-39 Oft		×	X 4/5/25	5 8:10	×	X	×		
PLEASE NOTE: Lability and Damages. Cardinal's lability and dient's exclusive enned by enables of manages. All claims including those for negligence and any other cause whatsoever shall be dec service. In no event shall Cardinal be lable for incidental or consequental damages, including will service.	susive remedy for any claim arising whether tsoever shall be deemed waived unless mad mages, including without limitation, business	whether based in contract or tort, shall be sss made in writing and received by Cardin usiness interruptions, loss of use, or loss or	limited to the amo al within 30 days at of profits incurred b	unt paid by the client for the fler completion of the applicable by client, its subsidiaries.					
affiliates or successors arising out of or related to the performance of services Relinquished By:	Date: Receiv	regardless of whether such claim is based upon any of the above stated re Received By:	8	Phone Resu	7	Yes	□ No Add'l Phone #:	one #:	
ele	Shi	SKOCKIC	gried	REMARKS:			≝	ack Exploration	
Relinquished By:	Time: Received By:	/ed By:				ш	Direct bill to silverback Exp Email results to: frodriguez@v mmoffitt@vertex.ca	frodriguez@vertex.ca & fitt@vertex.ca	
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Sampler - UPS - Bus - Other:	0.0° #140	□ No □ No	28						
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s. Please ക്രസ്ത്യൂട്ടില്ലോഗ്രിanges to 575-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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Company Name:	Vertex Resource Services	es									B	BILL	10		1	1	1	١,				7	-15	4	-	$\frac{1}{2}$
Project Manager:	Chance Dixon							-	P.O.	#							_								_	
Address:	3101 Boyd Dr							_	om	Company:	¥:	Silv	Silverback Exploration	oration		_		_	_					_	_	
City: Carlsbad	S	State: NM 2	Zip: 88220	8822	ŏ			Ļ	Attn:		afael	Rafael Alviso	80			_	_						_		_	
e#:	575-988-2681 Fa	Fax #:						Ļ	ddr	SSa	Address: 108 S.	88.	4th St.				_		_						_	_
Project #: 24E-05130		Project Owner:						L	City:		Artesia												_	1	_	_
ıme:	Rumble State #4H							-	State	State: NM	3	Zip:	o: 88210										_		_	_
\simeq	Eddy County, NM							_	ohoi	Phone #:	"												-			_
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₹:	BS25-45 0ft		C	-		×			_	_	×	+	4/4/25	8:40	×	×	×					+	+	_	+	+
50	BS25-46 0.5ft	-	C	_	-	×	1		_	-	×	+	4/4/25	8:45	×	×	×					+	+	_		+
44	BS25-47 0.5ft	7	C	7		×	_				×	+	4/4/25	8:50	×	×	×					+	+		-	-
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Kellikulalisha by		Time:																min	mmoffitt@vertex.ca	vertex	3	5	ŝ			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



ce Dixon Boyd Dr State:	NM Zip: 88220	330		P.O. #:		BILL TO	Silverback Exploration			\dashv	ANAL				
Boyd Dr State:		33		Cor	mnanv:	Silverhack	exploration			_		_	_	_	_
Boyd Dr State:		22		Con	NUSUL.	Silverback	-xploration			_	_	_	_	_	_
State:		3		+	· fundin	Circumstance	-			_			_		
		0770		Attr	Attn: Rafael Alviso	el Alviso							_		
575-988-2681 Fax #:				Ado	ress: 1	Address: 108 S. 4th St.				_		_	_		
24E-05130 Project Owner:	mer:			City:	: Artesia	a									
ıble State #4H				Sta	State: NM	Zip: 88210	0								
Eddy County, NM				Pho	ne #:								_		
F Rodriquez				Fax	#										
T. Nodiliguez	1	┨	MATRIX	Ⅎ	PRESER	┪	NG								
Sample I.D.			SOIL	OTHER:	ACID/BASE:		TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)					
WS25-53 0.5ft	_		×	-	×	\neg	9:20	×	×	×					
WS25-54 0.5ft	_		×		×	4/5/25	9:25	×	×	×		_			
WS25-55 0.5ft	С		×		×	4/5/25	9:30	×	×	×		_		-	
WS25-56 0.5ft	С		×		×	4/5/25	9:35	×	×	×			+		
WS25-57 0.5ft	С	-	×		×	4/5/25	9:40	×	×	×			_	-	
WS25-58 0.5ft	С	_	×		×	4/5/25	9:45	×	×	×			_	_	
WS25-59 0.5ft	C		×		×	4/5/25	9:50	×	×	×			_	-	
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WS25-62 0.5ft	-	-	×	-	>	67/6/4	10.00	< >	< >	< >					
WS25-63 0-4ft	-	-	×		< ×	4/5/25	-	××	××	××					
WC25-65 0-4ft	-	<u>.</u>	×	-	×	4/5/25	-	×	×	×					
rages. Cardinal's liability and client's exclusive remed e for negligence and any other cause whatsoever shall be included to consecurated damages. Includes the consecurated damages.	y for any claim arisi be deemed waived a sing without limitation	ing wheth unless ma	her based in contract hade in writing and recess interruptions, loss	or tort, shi beived by C of use, or	all be limited that ardinal within loss of profits	to the amount paid by 30 days after comple incurred by client, its	the client for the tion of the applicable subsidiaries,								
of or related to the performance of services hereunder	by Cardinal, regardle	eived	hether such claim is to By:	based upon	any of the at	ove stated reasons of	Phone Re	sult:	□ ∀		11	Phone #:			
A TIME!	() V	0	read	2	3	2	REMARK	S. III	□ Ye		Add I	rax #:	xploration		
Date:	Rec	eived	By:							Email resu	ults to: froo mmoffitt@	driguez@)vertex.c	ea .		
Circle One) 0-32/CH	.s.0		Sample Con Cool Inta	dition	오	ECKED BY: (Initials)									
	OHI#			No No	8	6									
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 aboratories

ect Owner: #: Address: #: Company #: Company #: Company #: City: And Address: #: Fax #: Phone #: Phon		(575) 393-2326 FAX (575) 393-2476	76	1	1	1	١	1				B	BILL TO		1				ANA	NALYSIS		REQUEST	岚	اتا	
Cambridge Camb	ompany Name:	Chance Dixon							G.	9	*				\dashv										
Carlsbad	ddress:	3101 Boyd Dr							C	ğ	oan	×.	Silverback Ex	ploration											
## 575-588-2881 City Address: 108 S.4th St. Address: 108 S.4th St.		State:	Zip:	882	20				A	2	R	afael	Alviso		_						_				
24E-05130 Project Owner: City: Artesia	e #:								P	ddre	ess	: 10	8 S. 4th St.												
State: NM									C	Ţ.		tesia										_			
Phone #: F.Rodriguez Phone #: PRESERV SAMPLING Fax #: PRESERV F	ame:	e State #4H							Ś	ate	Z	3	Zip: 88210												
Fax #: FRAMPLING	roject Location:								P	hon	le #														
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APPENDIX E

SLO Seed Mix

SM Series

1 REVEGETATION PLANS

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico

REVEGTATION PLANS	CODE	SOIL TEXTURES
Clay	С	Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)
Loam	L	Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam
Sandy Loam	SL	Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam
Shallow	SH	Rocky Loam, Cobbly Loam
Course	CS	Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam
Sandy	S	Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand
Blow Sand	BS	Fine Sand, Sand, Coarse Sand
Mountain Meadow	MM	Clay, Loam
Mountain Upland	MU	Clay Loam, Loam



NMSLO Seed Mix

Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	${f F}$
Sand dropseed	VNS, Southern	2.0	\mathbf{S}
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			A
Firewheel (Gaillardia)	VNS, Southern	1.0	D
Shrubs:		8	B
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acro	2 18.0	8118

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.



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 468001

QUESTIONS

Operator:	OGRID:
Silverback Operating II, LLC	330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2433927741
Incident Name	NAPP2433927741 RUMBLE STATE #4H @ 30-015-45749
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-45749] RUMBLE STATE #004H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RUMBLE STATE #4H
Date Release Discovered	11/23/2024
Surface Owner	Private

ncident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	Yes
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

Material(s) released, please answer all that apply below. Any calculations or specific justifications	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 15 BBL Recovered: 0 BBL Lost: 15 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 5 BBL Recovere 0 BBL Lost: 5 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)	Power outage on the PLC for the air compressor overfilled separator and gas scrubber and routed fluids to the high-pressure flare, which then over sprayed surrounding areas of the pad and pasture. The standing oil caught fire and extinguished itself.

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

QUESTIONS, Page 2

Action 468001

QUESTIONS	(continued)

40-0	One (continued)
Operator: Silverback Operating II, LLC	OGRID: 330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	NA
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative led 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 required 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 t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 12/04/2024

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

Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 468001

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	Silverback Operating II, LLC	330968
ı	1001 W. Wilshire Blvd	Action Number:
ı	Oklahoma City, OK 73112	468001
ı		Action Type:
ı		[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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 contamina	tion 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)	5840
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	15015
GRO+DRO (EPA SW-846 Method 8015M)	13055
BTEX (EPA SW-846 Method 8021B or 8260B)	1.6
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes comple which includes the anticipated timelines for beginning and completing the remediation.	eted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	04/01/2025
On what date will (or did) the final sampling or liner inspection occur	04/01/2025
On what date will (or was) the remediation complete(d)	04/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	16500
What is the estimated volume (in cubic yards) that will be reclaimed	203
What is the estimated surface area (in square feet) that will be remediated	1262
What is the estimated volume (in cubic yards) that will be remediated	140
These estimated dates and measurements are recognized to be the best quess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	

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

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

QUESTIONS, Page 4

Action 468001

QUESTIONS (continued)

Operator:	OGRID:
Silverback Operating II, LLC	330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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:	
Yes	
HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]	
Not answered.	
No	

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

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

Name: Fatma Abdallah
Title: Regulatory Manager
Email: FAbdallah@silverbackexp.com
Date: 02/21/2025

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.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 5

Action 468001

QUESTIONS (continued)

Operator:	OGRID:
Silverback Operating II, LLC	330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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Phone: (505) 629-6116
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 468001

QUESTIONS (continued)

Operator:	OGRID:
Silverback Operating II, LLC	330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	448060
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/05/2025
What was the (estimated) number of samples that were to be gathered	55
What was the sampling surface area in square feet	11000

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	19378	
What was the total volume (cubic yards) remediated	503	
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	21493	
What was the total volume (in cubic yards) reclaimed	560	
Summarize any additional remediation activities not included by answers (above)	NA NA	

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

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

I hereby agree and sign off to the above statement

Name: Justin Carter
Title: Landman
Email: jcarter@novoog.com
Date: 05/28/2025

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, Page 7

Action 468001

QUESTIONS (continued)

Operator: Silverback Operating II, LLC	OGRID: 330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	21493
What was the total volume of replacement material (in cubic yards) for this site	560
	f four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/08/2025
Summarize any additional reclamation activities not included by answers (above)	The site was seeded with NMSLO Loamy Sites Seed Mixture @ 18PLS/acre and included all areas disturbed by the site remediation activities.
	reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form nt field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 repo	
I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 05/28/2025

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QUESTIONS, Page 8

Action 468001

QUESTIONS (continued)

Operator:	OGRID:
Silverback Operating II, LLC	330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report		
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.		
Requesting a restoration complete approval with this submission	No	
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.		

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CONDITIONS

Action 468001

CONDITIONS

Operator:	OGRID:
Silverback Operating II, LLC	330968
1001 W. Wilshire Blvd	Action Number:
Oklahoma City, OK 73112	468001
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	7/24/2025