



SITE RECLAMATION REPORT

**DAYTON RECYCLE LAYFLAT LINE
32.7100048, -104.344324
UNIT A, SECTION 35 T18S-R26E
EDDY COUNTY, NEW MEXICO
NMOCD INCIDENT ID # nAPP2326254488**

PREPARED FOR:

**SILVERBACK OPERATING
108 S 4TH STREET
ARTESIA, NEW MEXICO 88210**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

AUGUST 14, 2024

A blue ink signature of Mr. William Kierdorf, consisting of stylized cursive letters.

**Mr. William Kierdorf, REM
Project Manager**

A blue ink signature of Mr. Max Cook, consisting of stylized cursive letters.

**Mr. Max Cook, CAPM (TX)
Senior Project Manager**

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- Attachment 3 – NMOCD Approval Documentation



**SITE RECLAMATION REPORT
DAYTON RECYCLE LAYFLAT LINE
32.710048 -104.344324
EDDY COUNTY, NEW MEXICO
NMOCD INCIDENT ID #nAPP2326254488**

1.0 SITE LOCATION AND BACKGROUND

The Dayton Recycle Layflat Line (Site) is located on private property, approximately 9.6 miles south-southeast of Artesia, within Eddy County, New Mexico. The Site is situated in Unit A, Section 35, T18S-R26E at GPS coordinates 32.710048, -104.344324.

On September 16, 2023, a release was discovered along the Dayton Recycle Layflat Line operated by Silverback Operating II, LLC (Silverback). A failure of the aboveground line resulted in the release of an unknown volume of produced water. Upon discovery of the release, immediate action was taken to stop the release of fluids and a vacuum truck was dispatched to the Site and recovered approximately 230 barrels (bbls) of released fluids.

During the initial response, representatives of Silverback documented the extent of the area observed to have been impacted by the release. Due to the unknown volume and nature of the release, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) (NMOCD Incident # nAPP2326254488) on September 16, 2023.

To determine the extent and depth of impacts associated with the release incident, site assessment activities were completed in October 2023. The site assessment activities included the installation of excavation test holes and hand auger borings and the collection of soil samples for laboratory analysis. The results of the site assessment activities were summarized in Ranger's November 28, 2023 *Site Characterization, Assessment, and Proposed Remediation Plan* (Remediation Plan). In addition to summarizing the results of the site assessment activities, the report also provided site characterization details and a proposed remediation plan to address the impacts at the Site. On January 31, 2024, the NMOCD approved the Remediation Plan with conditions of approval including the approval of the proposed confirmation sample analysis, an alternative sampling frequency, and the request for additional vertical delineation sampling.

Based upon the NMOCD approval of the Remediation Plan, soil removal operations were completed from January 2024 through February 2024. Upon completion of the remediation activities and confirmation that all areas were brought into attainment of the applicable regulatory criteria (as detailed in Section 2.0 of this report), a Ranger prepared *Site Remediation and Closure Report*, dated April 5, 2024, was submitted to the NMOCD. The report contained full details of the remedial activities and confirmation sampling activities completed at the Site and requested incident closure status at the Site. On July 8, 2024, the NMOCD responded to the request and approved closure of the incident.

This *Site Reclamation Report* has been prepared in order to provide details of the complete reclamation efforts completed at the Site.

A Topographic Map and Area Map noting the location of the subject Site and surrounding areas are attached. Additionally, Site maps illustrating the Site features and sampling locations are also attached.

2.0 SITE REMEDIATION REVIEW

2.1 Closure Criteria

Based upon Site characterization details¹ provided in the November 28, 2023 Remediation Plan and the subsequent NMOCD approval of the Remediation Plan, the Site was remediated to the Table 1 19.15.29.12 NMAC (groundwater 51'-100' feet) criteria. Additionally, the remediation activities were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria (Reclamation Criteria) detailed in 19.15.29.13 NMAC. The approved site closure criteria are detailed below:

SITE CLOSURE CRITERIA

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	TPH (GRO+DRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')	10,000	2,500	1,000	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 ²	---	50 ²	10 ²

All Values Presented in Parts Per Million (mg/Kg)

1. Full site characterization details are included in the Site Characterization, Assessment, and Proposed Remediation Plan, dated November 28, 2023. A review of the site characterization details are included below.
2. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.

2.2 Site Characterization Review

Below is a summary of the Site Characterization details for the Site:

- **What is the shallowest depth to groundwater beneath the area affected by the release (ft bgs):** 52.51 feet below ground surface.
- **What Method was used to determine the depth to groundwater:** Gauging of a private water well by Ranger personnel on September 27, 2023.
- **Did this Release Impact groundwater or surface water:** No
- **What is the minimum distance, between the closest lateral extents of the release and following 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):** Greater than 5 (mi.)

- **An occupied permanent residence, school, hospital, institution, or church:**
Between 1,000 (ft) and ½ (mi)
- **A spring or private domestic water well used by less than five household for domestic or stock watering purposes:** *Between 1,000 (ft) and ½ (mi.)*
- **Any other fresh water well or spring:** *Between 1,000 (ft) and ½ (mi.)*
- **Incorporated municipal boundaries or a defined municipal fresh water field:**
Greater than 5 (mi.)
- **A wetland:** *Between ½ and 1 (mi.)*
- **A subsurface Mine:** *Greater than 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 1,000 (ft) and ½ (mi.)*
- **Did the release impact areas not on an exploration, development, production, or storage site:** Yes

2.3 Impacted Soil Removal and Confirmation Sampling

In order to address the impacts of the release, soil removal operations were completed at the Site from January 2024 through February 2024. During the excavation process, representatives of Silverback conducted periodic assessment of the excavated areas utilizing an organic vapor monitor (OVM) and field chloride titration kit to assist in guiding the excavation to appropriate boundaries. Upon completion, the excavated area had maximum dimensions of approximately 1,187 feet by 240 feet and was completed to a depth of approximately four feet bgs. To confirm the excavation had been completed to appropriate boundaries, cleanup confirmation soil samples were collected in accordance with the methods approved by the NMOCD in the Remediation Plan and subsequent January 31, 2024 correspondence.

Multiple site maps depicting the excavation extent area and final confirmation sample locations are attached. Additional details of the remediation and confirmation sampling activities completed at the Site are included in the previously submitted *Site Remediation and Closure Report*, dated April 5, 2024.

2.4 Final Sample Results

Upon review of the final cleanup confirmation sample results, all areas have been documented to be below the Restoration, Reclamation and Re-Vegetation criteria detailed in NMAC 19.15.29.13 and/or the NMAC 19.15.9.12 Table 1 (DTGW >100') criteria. A comprehensive sample results table summarizing the laboratory analytical results for all of the cleanup confirmation soil samples collected during the remediation process is attached. Copies of the laboratory analytical reports including chain-of-custody documentation are also attached.

2.5 Waste Disposal

All soils generated during the remedial excavation activities were transported and disposed of at NMOCD approved disposal facilities.

3.0 SITE RECLAMATION

3.1 Site Backfill

Upon NMOCD incident closure approval, backfill of the excavated area at the Site was completed. Due to the makeup of the material excavated at the Site being comprised primarily of silty loam soil, a local source of similar material was selected and utilized as backfill material.

Prior to the completion of backfill at the Site, representatives for Silverback mobilized to the source location of the proposed backfill material on July 26, 2024 to evaluate whether the soil concentrations were within the applicable Restoration Criteria. To evaluate the material, one (1) five-part composite soil sample was collected from the area for laboratory analysis. Upon collection, the sample was submitted to cardinal laboratories in Hobbs, New Mexico for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and total chloride using SM 4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Upon review of the laboratory analytical results for the sample collected from the backfill material, BTEX and TPH concentrations were documented to be below the laboratory detection limit for the constituents. Additionally, the soil chloride concentration was documented to be below the applicable 600 ppm chloride Restoration Criteria. A results table summarizing the laboratory analytical results for backfill material soil sample is attached. A copy of the laboratory analytical report including chain-of-custody documentation is also attached.

From July 26, 2024 to August 1, 2024, backfill operations were completed at the Site. The selected fill material was utilized to bring the excavated area back to the natural pre-disturbance contours. Based on the composition of the selected fill material, the top-soil layer has been completed to match background thickness of the area.

3.2 Site Revegetation

In order to re-establish vegetation in the disturbed areas, the Site was re-seeded with the New Mexico State Land Office Loamy (L) Sites Seed Mixture. On August 5, 2024, the seed mixture was applied in the rate and methods in accordance with the seed mixture directives. The re-vegetation efforts also included areas surrounding the excavated area that were disturbed by the Site remediation activities. In total approximately 78,802 square feet or approximately 1.8 acres was included in the re-vegetation seeding efforts.

To ensure re-vegetation is complete, periodic inspections will be completed at the Site. Upon achieving a vegetative cover of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, a Revegetation Report will be prepared and submitted to the NMOCD.

A copy of the New Mexico State Land Office Loamy (L) Sites Seed Mixture is attached.

3.3 **Site Reclamation Summary**

Based on the completed Site reclamation efforts detailed above, all applicable guidelines for Site reclamation have been completed appropriately. Silverback, respectfully requests reclamation approval from the NMOCD.

Below is a summary of the completed efforts:

- **NMOCD Incident ID:** *nAPP2326254488*
- **Requesting a reclamation approval with this submission:** *Yes*
- **What was the total reclamation surface area (in square feet) for the site:** *~78,802*
- **What was the total volume of replacement material (in cubic yards) for this Site:**
~10,386 cubic yards
- **Is the top soil layer complete and is it suitable material to establish vegetation:** *Yes*
- **On what (estimated) date or will (or was) the reseeding commence(d):** *Seeding was completed August 5, 2024*
- **Summarize any additional reclamation activities not included by answers (above):** *The site was reseeded with the New Mexico State Land Office Loamy (L) Sites Seed Mixture and included all areas disturbed by the site remediation activities.*

FIGURES

Topographic Map

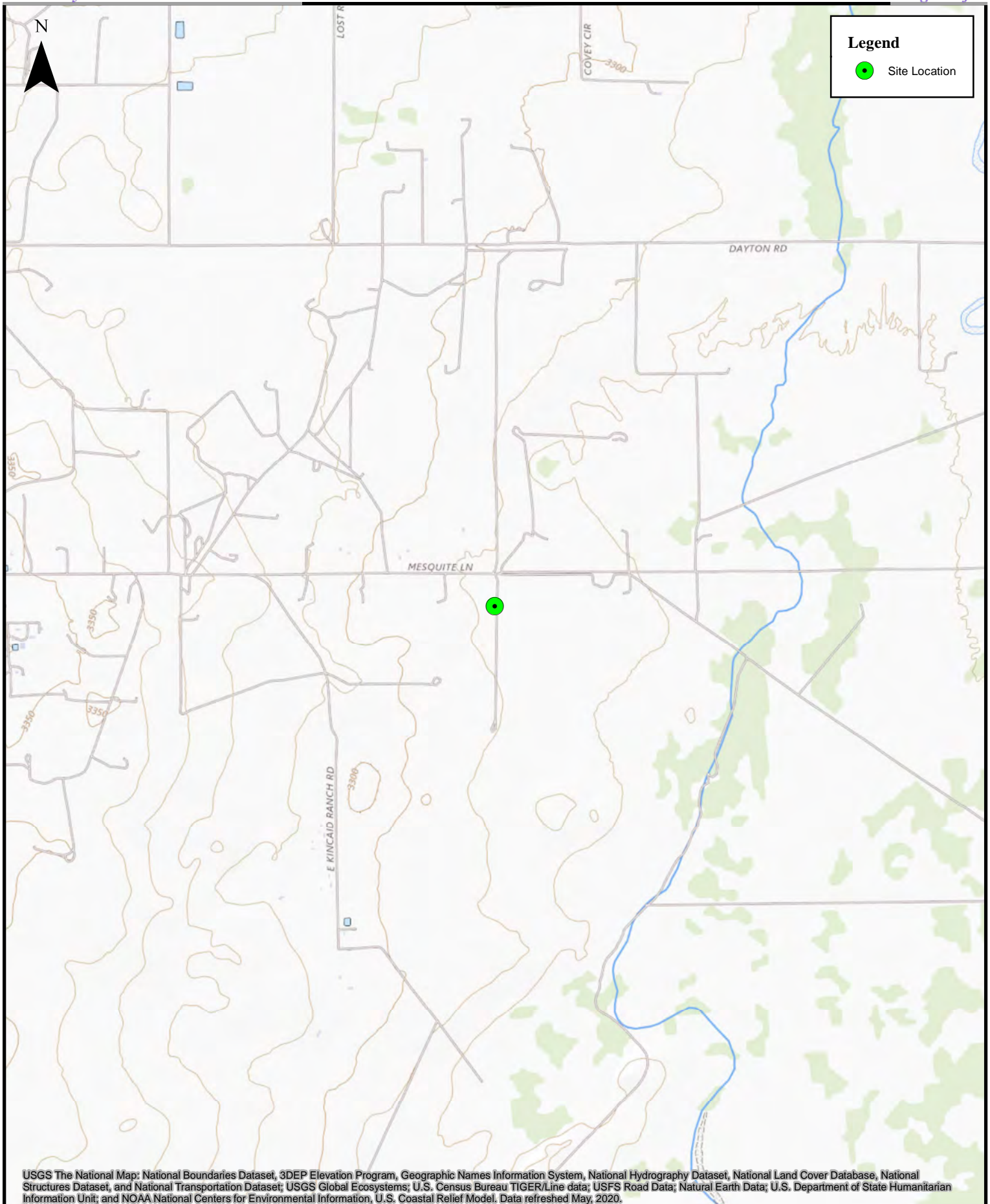
Area Map


Assessment Sample Location Map

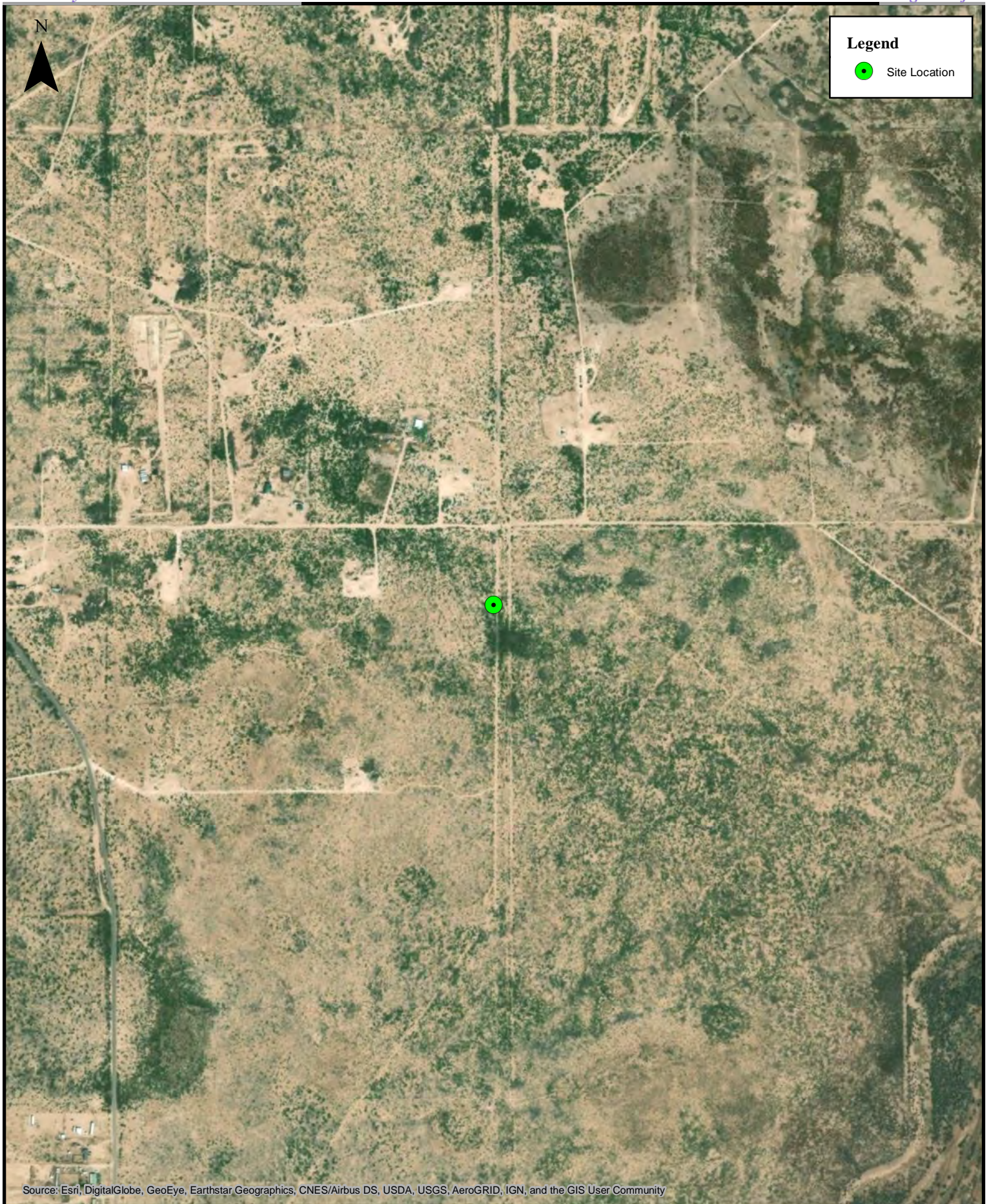
Final Excavation Area Map


Final Confirmation Sample Location Map (North)

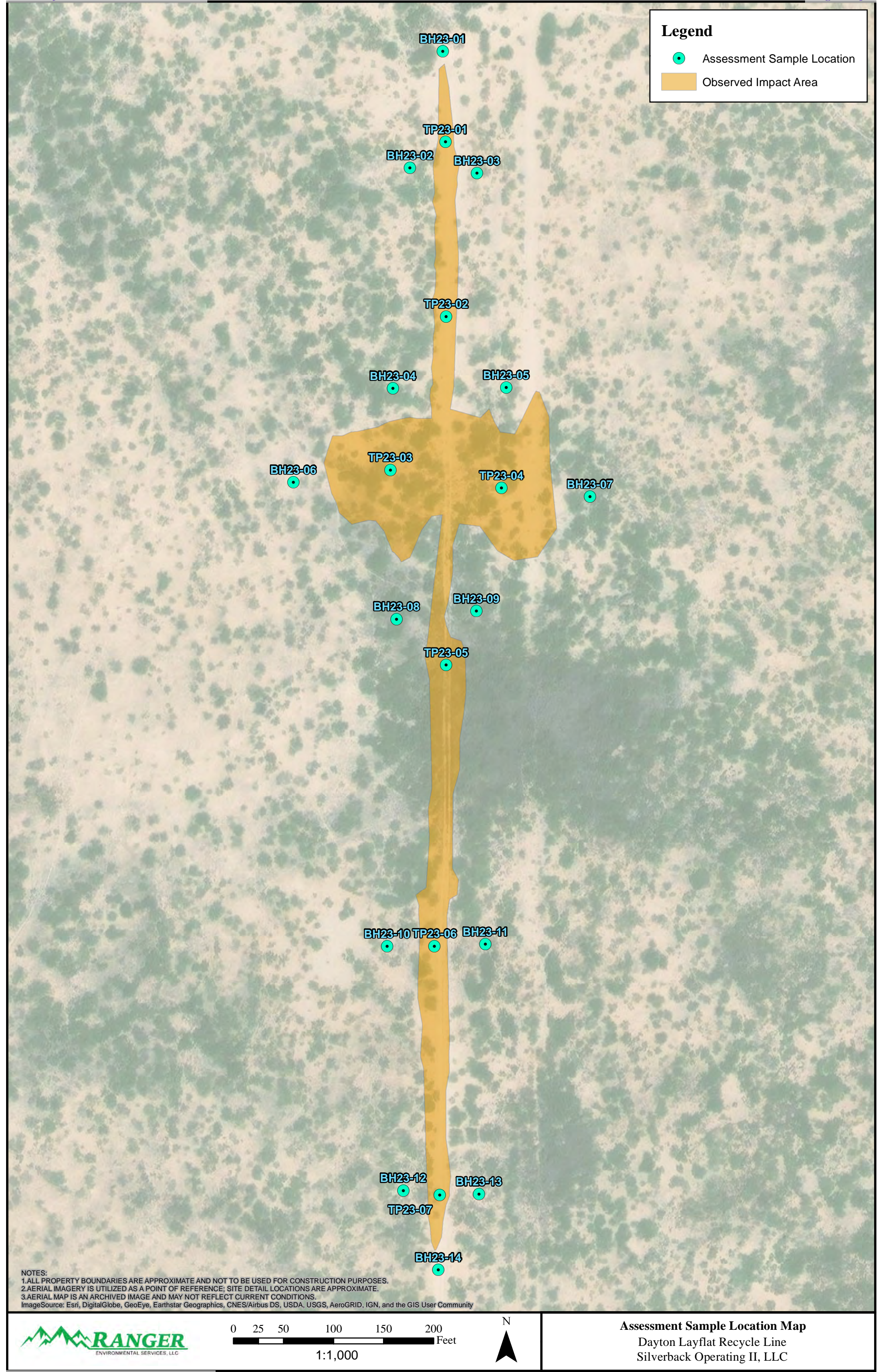
Final Confirmation Sample Location Map (South)



 <p>0 600 1,200 2,400 3,600 4,800 Feet</p> <p>1:24,000</p>	<p>Topographic Map</p> <p>Dayton Layflat Recycle Line</p> <p>Silverback Operating II, LLC</p>
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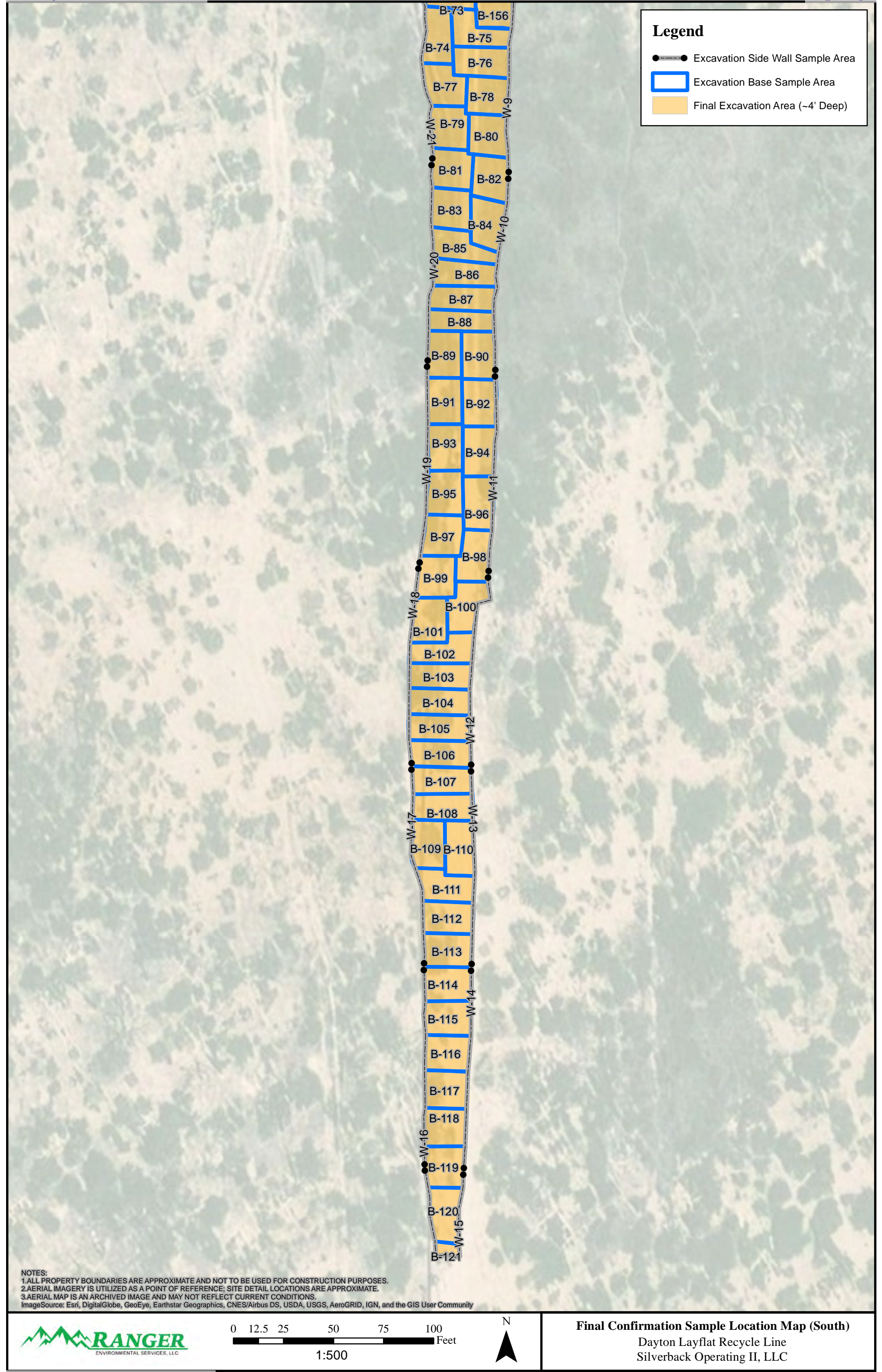


 <p>0 250 500 1,000 1,500 2,000 Feet</p> <p>1:10,000</p>	<p>Area Map</p> <p>Dayton Layflat Recycle Line</p> <p>Silverback Operating II, LLC</p>
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TABLES

Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) &
Chloride (SM 4500) Analytical Data

Confirmation Sample Soil Chloride (SM 4500) Analytical Data

**Site Backfill Soil BTEX (EPA 8260), TPH (EPA 8015) &
Chloride (SM 4500) Analytical Data**

SITE ASSESSMENT SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300/SM 4500) ANALYTICAL DATA													
SILVERBACK OPERATING II, LLC													
DAYTON LAYFLAT RELEASE													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Horizontal Delineation Assessment Sample													
BH23-01 0ft	10/4/2023	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<47	<9.5	<47	<60
BH23-01 2ft	10/4/2023	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.8	<49	<9.8	<49	<60
BH23-02 0ft	10/4/2023	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	71
BH23-02 2ft	10/4/2023	2'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	78
BH23-03 0ft	10/4/2023	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<9.7	<49	140
BH23-03 2ft	10/4/2023	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.8	<49	<9.8	<49	82
BH23-04 0ft	10/4/2023	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	88
BH23-04 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
BH23-05 0ft	10/4/2023	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.4	<47	<9.4	<47	<60
BH23-05 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<47	<9.3	<47	87
BH23-06 0ft	10/4/2023	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
BH23-06 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
BH23-07 0ft	10/4/2023	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<9.3	<46	<60
BH23-07 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<47	<9.5	<47	77
BH23-08 0ft	10/4/2023	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	<60
BH23-08 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	<60
BH23-09 0ft	10/4/2023	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.5	<47	<9.5	<47	<60
BH23-09 2ft	10/4/2023	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.5	<47	<9.5	<47	<60
BH23-10 0ft	10/4/2023	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.2	<46	<9.2	<46	<60
BH23-10 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<47	<9.3	<47	<60
BH23-11 0ft	10/4/2023	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	100
BH23-11 2ft	10/4/2023	2'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.6	<48	<9.6	<48	<60
BH23-12 0ft	10/4/2023	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	<60
BH23-12 2ft	10/4/2023	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<8.5	<43	<8.5	<43	<60
BH23-13 0ft	10/4/2023	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<8.9	<44	<8.9	<44	<60
BH23-13 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	85
BH23-14 0ft	10/4/2023	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	320
BH23-14 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.9	<44	<8.9	<44	<60
Vertical Delineation Assessment Sample													
TP23-01 0ft	10/5/2023	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.2	<46	<9.2	<46	13,000
TP23-01 4ft	10/5/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	1,100
TP23-02 0ft	10/5/2023	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<48	<9.7	<48	15,000
TP23-02 4ft	10/5/2023	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.3	<47	<9.3	<47	3,400
TP23-03 0ft	10/5/2023	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	16,000
TP23-03 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	2,200
TP23-03 6ft	10/5/2023	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<9.7	<48	410
TP23-03 8ft	10/5/2023	8'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	150
TP23-04 0ft	10/5/2023	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	18,000
TP23-04 4ft	10/5/2023	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.5	<48	<9.5	<48	1,300
TP23-04/6'	2/22/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,010
TP23-04/8'	2/22/2024	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	848
TP23-04/10'	3/15/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	208
TP23-04/12'	3/15/2024	12'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	224
TP23-05 0ft	10/5/2023	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	22,000
TP23-05 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.2	<46	<9.2	<46	4,100
TP23-06 0ft	10/5/2023	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<50	<9.9	<50	15,000
TP23-06 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<10	<50	<10	<50	2,100
TP23-07 0ft	10/5/2023	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	14,000
TP23-07 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	2,600
TP23-05/6'	2/22/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
TP23-05/10'	2/22/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')			10	---	---	---	50	---	---	---	1,000	2,500	10,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 ³	---	---	---	50 ³	---	---	---	---	100 ³	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.													

CONFIRMATION SOIL SAMPLE CHLORIDE (SM 4500) ANALYTICAL DATA													
SILVERBACK OPERATING II, LLC													
DAYTON LAYFLAT RELEASE													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Side Wall Samples													
W-1	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-2	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-3	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-4	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-5	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	16.0
W-6	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-7	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-8	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-9	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-10	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-11	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-12	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-13	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-14	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-15	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-16	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-17	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	112
W-18	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-19	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	16.0
W-20	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-21	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-22	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-23	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-24	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-25	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-26	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-27	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-28	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	16.0
Excavation Base Samples													
B-1	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-2	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,100
B-3	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	880
B-4	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,410
B-5	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	416
B-6	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,230
B-7	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	80.0
B-8	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,040
B-9	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	912
B-10	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	944
B-11	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,100
B-12	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	272
B-13	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,010
B-14	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	480
B-15	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	832
B-16	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	656
B-17	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	752
B-18	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,340
B-19	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,920
B-20	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	432
B-21	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	352
B-22	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	448
B-23	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,120
B-24	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,260
B-25	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	288
B-26	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	16.0
B-27	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	432
B-28	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	320
B-29	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-30	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	16.0
B-31	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-32	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,070
B-33	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,410
B-34	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	3,280
B-35	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	544
B-36	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,040
B-37	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	560
B-38	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	608
B-39	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,520
B-40	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	5,040
B-41	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,660
B-42	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,490
B-43	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,880
B-44	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	240
B-45	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	512

CONFIRMATION SOIL SAMPLE CHLORIDE (SM 4500) ANALYTICAL DATA SILVERBACK OPERATING II, LLC DAYTON LAYFLAT RELEASE All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-46	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	336
B-47	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	784
B-48	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	272
B-49	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	2,280
B-50	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	3,000
B-51	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-52	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,260
B-53	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	5,600
B-54	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	608
B-55	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	2,800
B-56	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	144
B-57	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	64
B-58	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	240
B-59	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,250
B-60	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,360
B-61	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	256
B-62	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,120
B-63	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,020
B-64	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	32
B-65	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	480
B-66	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	272
B-67	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,200
B-68	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,200
B-69	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,380
B-70	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,320
B-71	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,480
B-72	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,000
B-73	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	9,200
B-74	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	848
B-75	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	3,560
B-76	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	7,730
B-77	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	7,200
B-78	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	704
B-79	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	7,600
B-80	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,320
B-81	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	6,400
B-82	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,080
B-83	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	6,600
B-84	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,960
B-85	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,000
B-86	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	3,040
B-87	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	176
B-88	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	3,400
B-89	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	160
B-90	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,520
B-91	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	4,640
B-92	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	960
B-93	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	688
B-94	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,360
B-95	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	816
B-96	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	368
B-97	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,180
B-98	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,760
B-99	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-100	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	3,760
B-101	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	944
B-102	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,240
B-103	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,600
B-104	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,340
B-105	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,760
B-106	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,440
B-107	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,600
B-108	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	720
B-109	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,100
B-110	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	656
B-111	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,120
B-112	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	432
B-113	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,060
B-114	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,360
B-115	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,470
B-116	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,600
B-117	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,800
B-118	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,360
B-119	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,580
B-120	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	688
B-121	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,440

CONFIRMATION SOIL SAMPLE CHLORIDE (SM 4500) ANALYTICAL DATA SILVERBACK OPERATING II, LLC DAYTON LAYFLAT RELEASE All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-122	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,000
B-123	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,650
B-124	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,190
B-125	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,680
B-126	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,440
B-127	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	912
B-128	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,540
B-129	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,410
B-130	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,010
B-131	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,200
B-132	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,550
B-133	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	688
B-134	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,200
B-135	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,280
B-136	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-137	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	832
B-138	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	864
B-139	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,000
B-140	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	992
B-141	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,080
B-142	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	640
B-143	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,680
B-144	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	4,480
B-145	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,620
B-146	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,600
B-147	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,780
B-148	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,400
B-149	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	5,200
B-150	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,400
B-151	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,120
B-152	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	944
B-153	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-154	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	80.0
B-155	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	64.0
B-156	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-157	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	64.0
B-158	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	48.0
B-159	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	48.0
B-160	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	144
B-161	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	592
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')			10	---	---	---	50	---	---	---	1,000	2,500	10,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 ³	---	---	---	50 ³	---	---	---	---	100 ³	600
Notes: 1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow. 2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type. 3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.													

SITE BACKFILL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300/SM 4500) ANALYTICAL DATA SILVERBACK OPERATING II, LLC DAYTON LAYFLAT RELEASE												
All values presented in parts per million (mg/Kg)												
SAMPLE ID	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
BACKFILL -01	7/26/2024	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
19.15.29.13 NMAC Reclamation Criteria												
		10 ¹	---	---	---	50 ¹	---	---	---	---	100 ¹	600
Notes:												
1. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.												

ATTACHMENT **1** – SITE PHOTOGRAPHS



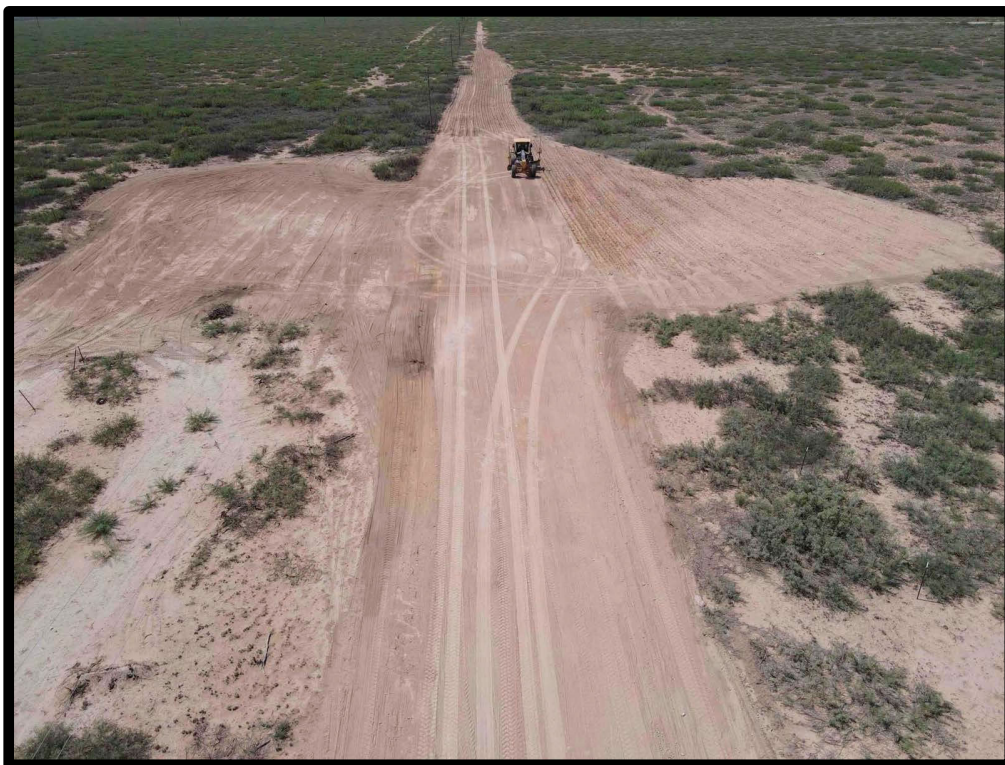
PHOTOGRAPH NO. 1 – A view of the Site during the backfill activities. The view is towards the north. The view is towards the north.

(Approximate GPS Coordinates: 32.708324, -104.344476)



PHOTOGRAPH NO. 2 – A view Site during the during the backfilling activities. The view is towards the south.

(Approximate GPS Coordinates: 32.710777, -104.344346)



PHOTOGRAPH NO. 3 – An additional view of the Site during the tilling activities. The view is towards the south.

(Approximate GPS Coordinates: 32.710432, -104.344245)



PHOTOGRAPH NO. 4 – A view of the Site upon completion of the backfill and tilling operations. The view is towards the south.

(Approximate GPS Coordinates: 32.711332, -104.344287)

ATTACHMENT **2** – LABORATORY REPORTS



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

February 16, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/13/24 13:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 1 (H240679-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 2 (H240679-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 3 (H240679-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 4 (H240679-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	02/14/2024	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 5 (H240679-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 6 (H240679-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 7 (H240679-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 8 (H240679-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 9 (H240679-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	02/14/2024	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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 PO BOX 201179
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 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 10 (H240679-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 11 (H240679-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 12 (H240679-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 13 (H240679-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 14 (H240679-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/14/2024	ND	432	108	400	3.64	

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 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 15 (H240679-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 16 (H240679-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 17 (H240679-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 18 (H240679-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 19 (H240679-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	02/14/2024	ND	432	108	400	3.64	

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 PO BOX 201179
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 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 20 (H240679-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 21 (H240679-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 22 (H240679-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 23 (H240679-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 24 (H240679-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	02/14/2024	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 25 (H240679-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 26 (H240679-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 27 (H240679-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 28 (H240679-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 29 (H240679-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2024	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 30 (H240679-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 31 (H240679-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 32 (H240679-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 43 (H240679-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 44 (H240679-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/14/2024	ND	416	104	400	3.77	

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 WILL KIERDORF
 PO BOX 201179
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 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 45 (H240679-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 51 (H240679-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 52 (H240679-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 53 (H240679-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 54 (H240679-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	02/14/2024	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 59 (H240679-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 60 (H240679-41)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 61 (H240679-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	02/14/2024	ND	416	104	400	3.77		

Sample ID: B - 62 (H240679-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 63 (H240679-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	02/14/2024	ND	432	108	400	3.64		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 65 (H240679-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 66 (H240679-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 67 (H240679-47)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 68 (H240679-48)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 69 (H240679-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	02/14/2024	ND	432	108	400	3.64		

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 70 (H240679-50)

Chloride, SM4500Cl-B		mg/ kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 71 (H240679-51)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 72 (H240679-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 73 (H240679-53)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 74 (H240679-54)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: EDDY CO NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 75 (H240679-55)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 76 (H240679-56)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 77 (H240679-57)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 78 (H240679-58)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 79 (H240679-59)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 80 (H240679-60)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 81 (H240679-61)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 82 (H240679-62)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	02/14/2024	ND	432	108	400	3.64		

Sample ID: B - 83 (H240679-63)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6600	16.0	02/14/2024	ND	432	108	400	0.00	QM-07	

Sample ID: B - 84 (H240679-64)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	02/14/2024	ND	432	108	400	0.00		

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 85 (H240679-65)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	02/14/2024	ND	432	108	400	0.00		

Sample ID: B - 86 (H240679-66)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	02/14/2024	ND	432	108	400	0.00	

Sample ID: B - 87 (H240679-67)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/14/2024	ND	432	108	400	0.00		

Sample ID: B - 88 (H240679-68)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	02/14/2024	ND	432	108	400	0.00	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 6

Company Name: Ranger Environmental Services, Inc. Project Manager: Will Kierdorf Address: PO Box 201179 City: Austin State: TX Zip: 78720 Phone #: 512-289-3272 Fax #: 512-335-0527 Project #: 6684 Project Name: Dayton Layflat Line Project Location: Eddy County, NM Sampler Name: J. Martinez		BILL TO P.O. #: Company: Silverback Exploration Attn: Mark Ritchie Address: 108 S. 4th St. City: Artesia State: NM Zip: 88210 Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D. HD40679 Sample I.D.		ANALYSIS REQUEST	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		PRESERV. SAMPLING DATE TIME TPH: (8015) EXT BTEX (8021B) Chloride (SM 4500)	
B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13		G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1	
2/12/24 0930 2/12/25 0932 2/12/26 934 2/12/27 0936 2/12/28 0938 2/12/29 0940 2/12/30 0942 2/12/31 0944 2/12/32 0946 2/12/33 0948 2/12/34 1000 2/12/35 1002 2/12/36 1004		X X	

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Relinquished By: *[Signature]* Date: 2/13/24
 Received By: *[Signature]* Date: 2/13/24
 FORM-006 R 2.0
 Delivered By: (Circle One) *3.0* Sample Condition (Cool) (Intact) (Other) *[Initials]*
 CHECKED BY: *[Signature]*
 Phone Result: ☐ Yes ☐ No Add'l Phone #:
 Fax Result: ☐ Yes ☐ No Add'l Fax #:
 REMARKS:
 Email results to will@rangerenv.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2 of 6

Company Name: Ranger Environmental Services, Inc. Project Manager: Will Kierdorf		P.O. #: Company: Silverback Exploration Attn: Mark Ritchie Address: 108 S. 4th St. City: Artesia	
Address: PO Box 201179 City: Austin State: TX Zip: 78720 Phone #: 512-289-3272 Fax #: 512-335-0527		Project Name: Dayton Layflat Line Project Location: Eddy County, NM Project Owner:	
Project #: 6684 Project Name: Dayton Layflat Line Project Location: Eddy County, NM Project Owner:		State: NM Zip: 88210 Phone #: Fax #:	
Sampler Name: J. Martinez FOR LAB USE ONLY		DATE TIME	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
14	B-14	G	1	X										
15	B-15	G	1	X										
16	B-16	G	1	X										
17	B-17	G	1	X										
18	B-18	G	1	X										
19	B-19	G	1	X										
20	B-20	G	1	X										
21	B-21	G	1	X										
22	B-22	G	1	X										
23	B-23	G	1	X										
24	B-24	G	1	X										
25	B-25	G	1	X										
26	B-26	G	1	X										

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Relinquished By: <i>[Signature]</i> Date: 2/13/24 Time: 1:34 Received By: <i>[Signature]</i> Date: 2/13/24 Time: 3:40	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: 3.0; #140 cool intact 82



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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3 of 6

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 6

Company Name: Ranger Environmental Services, Inc.

Project Manager: Will Kierdorf

Address: PO Box 201179

City: Austin

Phone #: 512-289-3272

Project #: 6684

Project Name: Dayton Layflat Line

Project Location: Eddy County, NM

Sampler Name: J. Martinez

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

BILL TO

P.O. #:

Company: Silverback Exploration

Attn: Mark Ritchie

Address: 108 S. 4th St.

City: Artesia

State: NM Zip: 88210

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				BTEX (8021B)	Chloride (SM 4500)								
40	B-59	G	1	X							2/12/24	11:48	X									
41	B-60	G	1	X							2/12/24	11:50	X									
42	B-61	G	1	X							2/12/24	11:52	X									
43	B-62	G	1	X							2/12/24	11:54	X									
44	B-63	G	1	X							2/12/24	11:56	X									
45	B-65	G	1	X							2/12/24	11:58	X									
46	B-66	G	1	X							2/12/24	12:00	X									
47	B-67	G	1	X							2/12/24	12:02	X									
48	B-68	G	1	X							2/12/24	12:04	X									
49	B-69	G	1	X							2/12/24	12:06	X									
50	B-70	G	1	X							2/12/24	12:08	X									
51	B-71	G	1	X							2/12/24	12:10	X									
52	B-72	G	1	X							2/12/24	12:12	X									

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Relinquished By:

Date: 2/13/24

Received By:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

Relinquished By: R 2.0

Date: 13/24

Received By:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

Email results to will@rangerenv.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 6

Company Name: Ranger Environmental Services, Inc.		BILL TO		ANALYSIS REQUEST																				
Project Manager: Will Kierdorf		P.O. #: Silver & Buck																						
Address: PO Box 201179		Company: Marl R. Kierdorf																						
City: Austin		Attn: Marl R. Kierdorf																						
State: TX Zip: 78720		Address: 158 S. 4th Street																						
Phone #: 512-497-1556 Fax #: 512-335-0527		City: Artesia																						
Project #: 6684 Project Owner:		State: NM Zip: 88210																						
Project Name: Dayton Lay flat Line.		Phone #: 512-335-0527																						
Project Location: Rural Eddy County, NM		Fax #:																						
Sampler Name: J Martinez																								
<small>FOR LAB USE ONLY</small>																								
Lab I.D. H94069	Sample I.D.	(G)RAB OR (C)ON		MATRIX		PRESERV		SAMPLING																
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
53	B-73	G	1									2/12/24	1230	TPH: 8015 EXT										
54	B-74	G	1	X										BTEX 8021B/5030 or BTEX 8260										
55	B-75	G	1											Chloride (SM 4500)										
56	B-76	G	1																					
57	B-77	G	1																					
58	B-78	G	1																					
59	B-79	G	1																					
60	B-80	G	1																					
61	B-81	G	1																					
62	B-82	G	1																					
63	B-83	G	1																					
64	B-84	G	1																					
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Received By: <i>Stodnick</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																		
Retinquished By:		Time: 2/13/24		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																		
Retinquished By:		Date: 1/24/24		REMARKS: Email Results to will@rangerenv.com																				
Time:		Received By:		Please hold the following samples pending initial results:																				
Delivered By: (Circle One)		Sample Condition		CHECKED BY:																				
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		(Initials)																				
FORM 000 R 2.0		Yes <input type="checkbox"/> No <input type="checkbox"/>		82																				

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

February 23, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/20/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 33 (H240814-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 34 (H240814-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 35 (H240814-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 36 (H240814-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/22/2024	ND	432	108	400	3.64	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 37 (H240814-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 38 (H240814-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 39 (H240814-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 40 (H240814-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 41 (H240814-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	02/22/2024	ND	432	108	400	3.64		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 42 (H240814-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 46 (H240814-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 47 (H240814-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 48 (H240814-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 49 (H240814-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	02/22/2024	ND	432	108	400	3.64		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 50 (H240814-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	02/22/2024	ND	432	108	400	3.64		

Sample ID: B - 55 (H240814-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	02/22/2024	ND	432	108	400	10.5	QM-07	

Sample ID: B - 56 (H240814-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/22/2024	ND	432	108	400	10.5		

Sample ID: B - 57 (H240814-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/22/2024	ND	432	108	400	10.5		

Sample ID: B - 58 (H240814-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/22/2024	ND	432	108	400	10.5		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 64 (H240814-20)

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	02/22/2024	ND	432	108	400	10.5		

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Will Kierdorf		P.O. #:											
Address: PO Box 201179		Company: Silverback Exploration											
City: Austin		Attn: Mark Ritchie											
State: TX		Address: 108 S. 4th St.											
Zip: 78720		City: Artesia											
Phone #: 512-289-3272		State: NM											
Fax #: 512-335-0527		Zip: 88210											
Project #: 6684		Project Owner:											
Project Name: Dayton Layflat Line		Phone #:											
Project Location: Eddy County, NM		Fax #:											
Sampler Name: F. Rodriguez													

FOR LAB USE ONLY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

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

Relinquished By:	Date: 2/13/24	Received By:	Date: 2/13/24	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 1:50	Received By:	Time: 1:50	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Sample Condition:	CHECKED BY:	REMARKS:		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	REMARKS:			
FORM-006 R 2.0	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				

3. Please fax written changes to 575-393-2476



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

March 01, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/27/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 89 (H240945-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 90 (H240945-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 91 (H240945-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 92 (H240945-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	02/29/2024	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/27/2024
 Reported: 03/01/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B - 93 (H240945-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 94 (H240945-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 95 (H240945-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 96 (H240945-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 97 (H240945-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	02/29/2024	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 98 (H240945-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 99 (H240945-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 100 (H240945-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 101 (H240945-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	02/29/2024	ND	432	108	400	3.77		

Sample ID: B - 102 (H240945-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	02/29/2024	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 103 (H240945-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	02/29/2024	ND	416	104	400	3.77	QM-07	

Sample ID: B - 104 (H240945-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 105 (H240945-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 106 (H240945-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 107 (H240945-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	02/29/2024	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/25/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 108 (H240945-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 109 (H240945-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 110 (H240945-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 111 (H240945-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 112 (H240945-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	02/29/2024	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 113 (H240945-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 114 (H240945-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 115 (H240945-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 116 (H240945-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 117 (H240945-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	02/29/2024	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/27/2024
 Reported: 03/01/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B - 118 (H240945-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	02/29/2024	ND	416	104	400	3.77		

Sample ID: B - 119 (H240945-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 120 (H240945-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 121 (H240945-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 122 (H240945-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/29/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 123 (H240945-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	03/01/2024	ND	416	104	400	3.77	QM-07	

Sample ID: B - 124 (H240945-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2190	16.0	03/01/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1044

Company Name: Ranger Environmental Services, Inc.		BILL TO		ANALYSIS REQUEST																	
Project Manager: Will Kierdorf		P.O. #:																			
Address: PO Box 201179		Company: Silverback Exploration																			
City: Austin		Attn: Mark Ritchie																			
Phone #: 512-289-3272		Address: 108 S. 4th Street																			
Fax #: 512-335-0527		City: Artesia																			
Project #: 6684		State: NM Zip: 88210																			
Project Name: Dayton Layflat Line		Phone #:																			
Project Location: Eddy County NM		Fax #:																			
Sampler Name: J. Martinez / F. Rodriguez																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.			SAMPLING			TPH: 8015 EXT			BTEX 8021B/5030 or BTEX 8260			Chloride (300 or 4500)		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME							
B-89		G	1	X									2/22/2024	0840	X						
B-90		G	1	X									2/22/2024	0842	X						
B-91		G	1	X									2/22/2024	0844	X						
B-92		G	1	X									2/22/2024	0846	X						
B-93		G	1	X									2/22/2024	0848	X						
B-94		G	1	X									2/22/2024	0852	X						
B-95		G	1	X									2/22/2024	0854	X						
B-96		G	1	X									2/22/2024	0856	X						
B-97		G	1	X									2/22/2024	0900	X						
B-98		G	1	X									2/22/2024	0902	X						

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Relinquished By:	Date: 2/21/24	Received By:	Time: 1135
Relinquished By:	Date:	Received By:	Time:
Delivered By: (Circle One) 4.4:	Sample Condition	CHECKED BY: (Initials)	
Sample 6684/PS6-R-BUB - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		
	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
Please hold the following samples pending initial results:
Email results to: will@rangerenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

3 of 4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 01, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/27/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 04/6' (H240946-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99		
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91		
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09		
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44		
Total BTEX	<0.300	0.300	02/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	03/01/2024	ND	416	104	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	02/27/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 04/8' (H240946-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99		
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91		
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09		
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44		
Total BTEX	<0.300	0.300	02/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	03/01/2024	ND	416	104	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	02/27/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 05/6' (H240946-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99	
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44	
Total BTEx	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/01/2024	ND	416	104	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	02/27/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 05/10' (H240946-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99		
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91		
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09		
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44		
Total BTEX	<0.300	0.300	02/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/01/2024	ND	416	104	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	02/28/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

7 of 7

Page 7 of 7



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

March 05, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/29/24 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Jacinda Hatfield". The signature is written in a cursive, flowing style.

Jacinda Lynn Hatfield For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 1 (H241027-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 2 (H241027-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 3 (H241027-03)

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	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 4 (H241027-04)

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	03/04/2024	ND	448	112	400	0.00	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 5 (H241027-05)

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	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 6 (H241027-06)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 7 (H241027-07)

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	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 8 (H241027-08)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 9 (H241027-09)

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	03/04/2024	ND	448	112	400	0.00		

Cardinal Laboratories

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Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 10 (H241027-10)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 11 (H241027-11)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 12 (H241027-12)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 13 (H241027-13)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 14 (H241027-14)

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	03/04/2024	ND	448	112	400	0.00		

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Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 15 (H241027-15)

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	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 16 (H241027-16)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 17 (H241027-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 18 (H241027-18)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 19 (H241027-19)

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	03/04/2024	ND	448	112	400	0.00		

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 20 (H241027-20)

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	03/04/2024	ND	448	112	400	0.00		

Sample ID: W - 21 (H241027-21)

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	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 22 (H241027-22)

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	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 23 (H241027-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: W - 24 (H241027-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

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Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 25 (H241027-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: W - 26 (H241027-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 27 (H241027-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 28 (H241027-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 125 (H241027-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	03/04/2024	ND	432	108	400	0.00	

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Fax To: (512) 335-0527

Received: 02/29/2024
Reported: 03/05/2024
Project Name: DAYTON LAYFLAT LINE
Project Number: 6684
Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: B - 126 (H241027-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 127 (H241027-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 128 (H241027-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 129 (H241027-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 130 (H241027-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	03/04/2024	ND	432	108	400	0.00	

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WILL KIERDORF
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Fax To: (512) 335-0527

Received: 02/29/2024
Reported: 03/05/2024
Project Name: DAYTON LAYFLAT LINE
Project Number: 6684
Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: B - 131 (H241027-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 132 (H241027-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 133 (H241027-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 134 (H241027-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 135 (H241027-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	03/04/2024	ND	432	108	400	0.00		

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 PO BOX 201179
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Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 136 (H241027-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 137 (H241027-41)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 138 (H241027-42)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	03/04/2024	ND	432	108	400	0.00		

Sample ID: B - 139 (H241027-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 140 (H241027-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	03/04/2024	ND	416	104	400	7.41		

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 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 141 (H241027-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 142 (H241027-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 143 (H241027-47)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 144 (H241027-48)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 145 (H241027-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1620	16.0	03/04/2024	ND	416	104	400	7.41		

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 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 146 (H241027-50)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 147 (H241027-51)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 148 (H241027-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 149 (H241027-53)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 150 (H241027-54)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/04/2024	ND	416	104	400	7.41	

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 Fax To: (512) 335-0527

Received: 02/29/2024
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 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 151 (H241027-55)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 152 (H241027-56)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 153 (H241027-57)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 154 (H241027-58)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 155 (H241027-59)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	ND	416	104	400	7.41	

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Received: 02/29/2024
 Reported: 03/05/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 02/29/2024
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 156 (H241027-60)

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	03/04/2024	ND	416	104	400	7.41		

Sample ID: B - 157 (H241027-61)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 158 (H241027-62)

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	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 159 (H241027-63)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 160 (H241027-64)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2024	ND	432	108	400	0.00	

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Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 161 (H241027-65)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	03/04/2024	ND	432	108	400	0.00		

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A handwritten signature in black ink that reads "Jacinda Hatfield".

Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink that reads "Jacinda Hatfield".

Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 7

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 7

Company Name: Ranger Environmental Services, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Will Kierdorf		P.O. #:											
Address: PO Box 201179		Company: Silverback Exploration											
City: Austin		Attn: Mark Ritchie											
Phone #: 512-289-3272		Address: 108 S. 4th Street											
Fax #: 512-335-0527		City: Artesia											
Project #: 6684		State: NM											
Project Name: Dayton Layflat Line		Zip: 88210											
Project Location: Eddy County, NM		Phone #:											
Sampler Name: J. Martinez & F. Rodriguez		Fax #:											
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
H241027		W-11		G 1		X		GROUNDWATER		DATE		TIME	
11		W-12		G 1		X		WASTEWATER		2/29/2024		0844	
12		W-13		G 1		X		SOIL		2/29/2024		0846	
13		W-14		G 1		X		OIL		2/29/2024		0900	
14		W-15		G 1		X		SLUDGE		2/29/2024		0912	
15		W-16		G 1		X		OTHER :		2/29/2024		0914	
14		W-17		G 1		X		ACID/BASE:		2/29/2024		0916	
17		W-18		G 1		X		ICE / COOL		2/29/2024		0918	
18		W-19		G 1		X		OTHER :		2/29/2024		0920	
19		W-20		G 1		X				2/29/2024		0922	
20				G 1		X				2/29/2024		0924	
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>													
Relinquished By:		Date: 2/29/24		Received By:		Date: 2/29/24		Time: 11:05		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Date:		Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		REMARKS:		Please hold the following samples pending initial results:		Email results to: will@rangerenv.com			
Sample RUPS - RABs - Other:		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		u.3i #140		82							

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 23



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

50+

Company Name: Ranger Environmental Services, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Will Kierdorf										P.O. #:																			
Address: PO Box 201179										Company: Silverback Exploration																			
City: Austin										Attn: Mark Ritchie																			
State: TX Zip: 78720																													
Phone #: 512-289-3272 Fax #: 512-335-0527										Address: 108 S. 4th Street																			
Project #: 6684 Project Owner:										City: Artesia																			
Project Name: Dayton Layflat Line										State: NM Zip: 88210																			
Project Location: Eddy County, NM										Phone #:																			
Sampler Name: J. Martinez & F. Rodriguez										Fax #:																			
FOR LAB USE ONLY																													
Lab I.D. Sample I.D.																													
H241027										(G)RAB OR (C)OMP.																			
411										# CONTAINERS																			
42										GROUNDWATER																			
43										WASTEWATER																			
44										SOIL																			
45										OIL																			
46										SLUDGE																			
47										OTHER :																			
48										ACID/BASE:																			
49										ICE / COOL																			
50										OTHER :																			
B-137										DATE										TIME									
B-138										2/29/2024										1044									
B-139										2/29/2024										1046									
B-140										2/29/2024										1100									
B-141										2/29/2024										1102									
B-142										2/29/2024										1104									
B-143										2/29/2024										1106									
B-144										2/29/2024										1108									
B-145										2/29/2024										1110									
B-146										2/29/2024										1114									
B-147										2/29/2024										1118									
B-148																													
B-149																													
B-150																													
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Relinquished By: [Signature]										Date: 2/29/24										Received By: [Signature]									
Relinquished By: [Signature]										Date: 2/29/24										Received By: [Signature]									
Relinquished By: [Signature]										Date: 2/29/24										Received By: [Signature]									
Delivered By: (Circle One) U.S. #140										Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No										CHECKED BY: [Signature]									
Sample ID: 1296-RBUs - Other: U.S. #140																													
Email results to: will@rangerenv.com																													



7 to 9

Page 22 of 23



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 7

[illegible]



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

March 20, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/15/24 12:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	03/15/2024	Sampling Date:	03/15/2024
Reported:	03/20/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP23 - 04/10' (H241359-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.22	111	2.00	0.699	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.408	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.12	106	2.00	0.0517	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.17	103	6.00	0.0498	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/18/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	194	96.9	200	2.01	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	205	103	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 68.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received: 03/15/2024
 Reported: 03/20/2024
 Project Name: DAYTON LAYFLAT LINE
 Project Number: 6684
 Project Location: SILVERBACK - EDDY CO NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: TP23 - 04/12' (H241359-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2024	ND	2.22	111	2.00	0.699		
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.408		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.12	106	2.00	0.0517		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.17	103	6.00	0.0498		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/18/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	210	105	200	3.88	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

July 31, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 07/26/24 12:45.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	07/26/2024	Sampling Date:	07/26/2024
Reported:	07/31/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: BACKFILL - 01 (H244467-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2024	ND	1.96	97.8	2.00	3.43		
Toluene*	<0.050	0.050	07/29/2024	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	07/29/2024	ND	2.17	108	2.00	3.69		
Total Xylenes*	<0.150	0.150	07/29/2024	ND	6.66	111	6.00	3.42		
Total BTEX	<0.300	0.300	07/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	07/30/2024	ND	448	112	400	7.41		

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	07/29/2024	ND	185	92.3	200	0.519	
DRO >C10-C28*	<10.0	10.0	07/29/2024	ND	182	91.0	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/29/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

ATTACHMENT **3** – NMOCD APPROVAL
DOCUMENTATION



OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	289800	Districts:	Artesia
Operator:	[330968] Silverback Operating II, LLC	Counties:	Eddy
Description:	Silverback Operating II, LLC [330968] , Section 35 18S 26E , nAPP2326254488		
Status:	APPROVED		
Status Date:	01/31/2024		
References (1):	nAPP2326254488		

Forms

Attachments: [C-141, Proposed Technique](#)

Questions

This submission type does not have questions, at this time.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

Summary: *csmith* (1/30/2024), Returned to OCD Review, Initial Review only reviewed Initial C-141 and not the Remediation Plan.

Conditions

Summary: *scott.rodgers* (1/31/2024), The Remediation Plan is Conditionally Approved. As discussed, TP23-04 and TP23-05 must be fully delineated per 19.15.29.11 A.(5)(c). The variance request to test for chloride only in confirmation samples is approved. The variance request to obtain confirmation samples representative of 700 square feet is not approved however OCD will approve a variance for samples to be representative of no more than 400 square feet. OCD notes the initial C-141 was due on 10/02/2023 and was not received until 11/30/2023. Please submit the closure report to the OCD by 04/30/2024.



OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[C-141] Remediation Closure Request C-141 (C-141-V-CLOSURE) Application

Submission Information

Submission ID:	355674	Districts:	Artesia
Operator:	[330968] Silverback Operating II, LLC	Counties:	Eddy
Description:	Silverback Operating II, LLC [330968] , SECTION 35 18S 26E , nAPP2326254488		
Status:	APPROVED		
Status Date:	07/08/2024		
References (1):	nAPP2326254488		

Forms

Attachments: [Volume Calculation](#), [Water Sources](#), [Scaled Site Map](#), [Field Data](#), [Soil Contaminant](#), [Water Depth](#), [Boring Logs](#), [Photographs](#), [Topo Aerial Maps](#), [Lab Data](#), [Proposed Technique](#), [Estimated Volume](#), [Closure Criteria](#), [Proposed Schedule](#), [Lab Samples OR Liner Integrity](#), [Remediation Activities](#)

Questions

Prerequisites

Incident ID (n#)	nAPP2326254488
Incident Name	NAPP2326254488 SECTION 35 18S 26E @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	SECTION 35 18S 26E
Date Release Discovered	09/16/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No



stantially damaged or will it substantially damage property or the
No

olume that is or may with reasonable probability be detrimental
No

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Normal Operations Pipeline (Any) Produced Water Released: 0 BBL (Unknown) Released Amour 230 BBL Lost: -230 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. “Major release” determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (?) reported amounts release resulting in negative volume.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follo
If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or I 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 shc 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 do operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Heather Treffert Title: Field Operations Analyst Email: htreffert@silverbackexp.com Date: 06/24/2024
--	---

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
---	-----------------------



le, or playa lake (measured from the ordinary high-water mark)
ent residence, school, hospital, institution, or church
domestic fresh water well used by less than five households for
watering purposes
er well or spring

Greater than 5 (mi.)
Between 1000 (ft.) and ½ (mi.)
Between 1000 (ft.) and ½ (mi.)
Between 1000 (ft.) and ½ (mi.)

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

Incorporated municipal boundaries or a defined municipal fresh water well field
A wetland
A subsurface mine
An (non-karst) unstable area
Categorize the risk of this well / site being in a karst geology
A 100-year floodplain
Did the release impact areas not on an exploration, development, production, or storage site

Greater than 5 (mi.)
Between 1 and 5 (mi.)
Greater than 5 (mi.)
Between 1 and 5 (mi.)
Medium
Between 1 and 5 (mi.)
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 contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated Yes
Was this release entirely contained within a lined containment area No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	22000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	50
GRO+DRO	(EPA SW-846 Method 8015M)	20
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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 anticipa beginning and completing the remediation.

On what estimated date will the remediation commence	11/28/2023
On what date will (or did) the final sampling or liner inspection occur	03/15/2024
On what date will (or was) the remediation complete(d)	02/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	57624
What is the estimated volume (in cubic yards) that will be reclaimed	8537
What is the estimated surface area (in square feet) that will be remediated	57624
What is the estimated volume (in cubic yards) that will be remediated	8537

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No



remedial process) No
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 costs of the remediation.

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

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 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 the operator have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement
Name: Heather Treffert
Title: Field Operations Analyst
Email: htreffert@silverbackexp.com
Date: 06/24/2024

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 then it should consult with the division to determine if another remediation plan submission is required.

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

Sampling Event Information

Last sampling notification (C-141N) recorded 322675
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC 03/15/2024
What was the (estimated) number of samples that were to be gathered 2
What was the sampling surface area in square feet 200

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 57624
What was the total volume (cubic yards) remediated 8537
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 57624
What was the total volume (in cubic yards) reclaimed 8537
Summarize any additional remediation activities not included by answers (above) None

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including, but not limited to, a detailed site map, 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 for more information.

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 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 the operator 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 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: Heather Treffert
Title: Field Operations Analyst
Email: htreffert@silverbackexp.com
Date: 06/24/2024

Reclamation Report



in this group if all reclamation steps have been completed.

ation approval with this submission

No

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary:

scott.rodgers (7/8/2024), A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.

scott.rodgers (7/8/2024), The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.

Reasons

No reasons found for this submission.

Go Back



ATTACHMENT **4** – **NEW MEXICO** STATE
LAND OFFICE LOAMY (**L**) SITES SEED
MIXTURE

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
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarrón, Pastura	1.5	F
Forbs:			
Firewheel (<i>Gaillardia</i>)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
Total PLS/acre		18.0	

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>.



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

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

QUESTIONS

Action 376100

QUESTIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 376100
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2326254488
Incident Name	NAPP2326254488 SECTION 35 18S 26E @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	SECTION 35 18S 26E
Date Release Discovered	09/16/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Normal Operations Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 230 BBL Lost: -230 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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State of New Mexico
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID:
	330968
	Action Number:
	376100
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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (?) reported amounts release resulting in negative volume.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Heather Treffert Title: Field Operations Analyst Email: htreffert@silverbackexp.com Date: 06/24/2024
--	---

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QUESTIONS, Page 3

Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID:
	330968
	Action Number:
	376100
Action Type:	
[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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 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 1 and 5 (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 contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	22000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	50
GRO+DRO	(EPA SW-846 Method 8015M)	20
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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

On what estimated date will the remediation commence	11/28/2023
On what date will (or did) the final sampling or liner inspection occur	03/15/2024
On what date will (or was) the remediation complete(d)	02/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	57624
What is the estimated volume (in cubic yards) that will be reclaimed	8537
What is the estimated surface area (in square feet) that will be remediated	57624
What is the estimated volume (in cubic yards) that will be remediated	8537

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4
Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID:	330968
	Action Number:	376100
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Heather Treffert Title: Field Operations Analyst Email: htreffert@silverbackexp.com Date: 06/24/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 376100
	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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QUESTIONS, Page 6

Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID:
	330968
	Action Number:
	376100
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	366488
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/26/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

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	57624
What was the total volume (cubic yards) remediated	8537
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	57624
What was the total volume (in cubic yards) reclaimed	8537
Summarize any additional remediation activities not included by answers (above)	None

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

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

I hereby agree and sign off to the above statement	Name: Heather Treffert Title: Field Operations Analyst Email: htrefert@silverbackexp.com Date: 06/24/2024
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QUESTIONS, Page 7

Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID:	330968
	Action Number:	376100
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	78802
What was the total volume of replacement material (in cubic yards) for this site	10386
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
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)	08/05/2024
Summarize any additional reclamation activities not included by answers (above)	The site was reseeded with the New Mexico State Land Office Loamy (L) Sites Seed Mixture and included all areas disturbed by the site remediation activities.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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@novooog.com Date: 08/21/2024

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QUESTIONS, Page 8

Action 376100

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 376100
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>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.</i>	

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CONDITIONS

Action 376100

CONDITIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 376100
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	9/9/2024