

# Form 27 Data Package

**Antelope P-T-17HZ**  
**Remediation #: 42673**



Prepared for:  
Bonanza Creek Operating Company LLC - 8960

March 2026

NWNE Sec 17 T5N R62W

Facility ID: Not applicable  
API #: 123-35600

# **Corrective Action Plan**

## 1.0 INTRODUCTION

This Corrective Action Plan (CAP) has been prepared by Stantec Consulting Services Inc. (Stantec) to document the decommissioning of Antelope P-T-17HZ (Site). The activities described in this CAP were completed in accordance with the Colorado Energy & Carbon Management Commission (ECMC) Site Investigation and Remediation Workplan Form 27 for Remediation #42673.

## 2.0 BACKGROUND ANALYSIS

Stantec conducted a Background Analysis at the Site to establish background conditions of the soil. This was done to provide evidence that any levels of soil suitability for reclamation standards and/or metals that are outside the acceptable limits in ECMC Table 915-1 are not related to the historic operations at the Site and will not adversely affect agronomic properties of the soil during final reclamation.

A total of 5 background soil samples were collected in the vicinity of the Site on December 5, 2025. The background soil samples were collected from depths ranging from 3 feet below ground surface (' bgs) to 6' bgs. The soil type found in that depth range is sand.

Laboratory results were received on January 27, 2026. Laboratory analytical results for the background soil samples indicated levels of arsenic, barium, and selenium exist in the native soil outside their applicable ECMC Table 915-1 standards.

A total of 7 confirmation soil samples (discussed in **Section 3.0**) were collected throughout the Site on November 24, 2025. The confirmation soil samples were collected from depths ranging from 4' bgs to 6' bgs. The soil type found in that depth range was sand and silty sand.

See the attached **Decommissioning Form** for a list of soil samples and their associated soil types and depths. See the attached **Tables 4 and 5** for the analytical results of the background soil samples. See the attached **Figure 4** for the locations of the background soil samples. A **Photographic Log** of background soil samples is also attached.

## 3.0 INITIAL SAMPLING EVENT

SM Energy decommissioned one wellhead, one flowline, and one separator at the Site. Following the decommissioning of Site infrastructure, Stantec collected the initial round of confirmation soil samples on November 24, 2025. Soil samples were sent to Pace Analytical for analysis of the constituents in ECMC Table 915-1. Evidence of a Spill was observed at the wellhead and the separator during this sampling event. As such, a Spill was reported on November 24, 2025.

Laboratory results were received on March 3, 2026. Laboratory results indicated concentrations of various organic constituents above their applicable ECMC Table 915-1 standards at the wellhead and the separator. Excavation activities will be initiated.

Laboratory results also indicated that levels of barium, hexavalent chromium, lead, selenium, pH, and/or electrical conductivity (EC) were outside applicable ECMC Table 915-1 standards at the wellhead and/or separator comparing them to the background samples. Verification sampling will be initiated following excavation activities to verify the levels of barium, hexavalent chromium, lead, selenium, pH, and EC if those samples aren't included in the excavations.

The attached **Decommissioning Form** lists the infrastructure removed. See the attached **Tables 2 through 5** for the analytical results of the confirmation soil samples. The attached **Figures 2 and 3** depict the locations of the soil samples from the initial sampling events. A **Photographic Log** of the soil samples and field screening locations is also attached.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

The soil type throughout the Site is comprised primarily of sand and silty sand from depths of 4' bgs to 6' bgs. The native background soil type in the vicinity of the Site is comprised primarily of sand from depths of 3' bgs to 6' bgs.

One wellhead, one flowline, and one separator were decommissioned at the Site. A Spill was reported at the wellhead and the separator on November 24, 2025.

Excavation activities will be initiated at the wellhead and separator to remove the concentrations of organic constituents above their applicable ECMC Table 915-1 standards. Verification sampling will be initiated following excavation activities to verify the levels of barium, hexavalent chromium, lead, selenium, pH, and EC if those samples aren't included in the excavations.

# **Decommissioning Form**

|   |  |                          |  |
|---|--|--------------------------|--|
| Site Name: <u>Antelope P-T-17HZ</u><br>Dylan Skilton<br>(11/24/25),<br>Sam O'Boyle<br>(12/5/25) | Date: <u>November 24, 2025, December 5, 2025</u> | ECMC Rem #: <u>42673</u> | Weather: <u>Sunny (11/24/25) Ground Frozen, Cloudy (12/5/25)</u> |
| Sampler Name: <u>(12/5/25)</u>  | Surface Gradient: <u>WSW</u>                     | Livestock: <u>None</u>   | Surrounding Land Use: <u>Undeveloped</u>                         |

| Sample ID | Date / Time      | Depth | Soil PID (ppm) | Soil Stain / GW Sheen | Odor | Soil Description (USCS) | Photo (Y/N) | Associated Equipment | Lab (Y/N) |
|-----------|------------------|-------|----------------|-----------------------|------|-------------------------|-------------|----------------------|-----------|
| WHW01@5   | 11-24-25 / 15:50 | 5     | 3              | No                    | No   | SM                      | Y           | WH                   | No        |
| WHE01@5   | 11-24-25 / 15:45 | 5     | 318            | No                    | Yes  | SM                      | Y           | WH                   | Yes       |
| WHN01@5   | 11-24-25 / 15:35 | 5     | 19             | No                    | No   | SP                      | Y           | WH                   | No        |
| WHS01@5   | 11-24-25 / 15:40 | 5     | 2              | No                    | No   | SP                      | Y           | WH                   | No        |
| WHB01@6   | 11-24-25 / 15:30 | 6     | 43             | No                    | No   | SP                      | Y           | WH                   | Yes       |
| FLB01@4   | 11-24-25 / 15:55 | 4     | 13             | No                    | No   | SP                      | Y           | FL                   | Yes       |
| SP-CS01@6 | 11-24-25 / 16:05 | 6     | 1              | No                    | No   | SP                      | Y           | SP-CS                | Yes       |
| SEPB01@4  | 11-24-25 / 16:15 | 4     | 180            | No                    | Yes  | SM                      | Y           | SEP                  | Yes       |
| FLB02@4   | 11-24-25 / 16:10 | 4     | 1              | No                    | No   | SM                      | Y           | FL                   | Yes       |
| SP-CS02@4 | 11-24-25 / 16:20 | 4     | 3              | No                    | No   | SM                      | Y           | SP-CS                | Yes       |
| BG01@6    | 12-5-25 / 08:00  | 6     | 1              | No                    | No   | SP                      | Y           | BG                   | Yes       |
| BG02@5    | 12-5-25 / 08:20  | 5     | 1              | No                    | No   | SP                      | Y           | BG                   | Yes       |
| BG03@4    | 12-5-25 / 08:30  | 4     | 1              | No                    | No   | SP                      | Y           | BG                   | Yes       |
| BG04@3    | 12-5-25 / 08:40  | 3     | 1              | No                    | No   | SP                      | Y           | BG                   | Yes       |
| BG05@3    | 12-5-25 / 08:50  | 3     | 1              | No                    | No   | SP                      | Y           | BG                   | Yes       |

| Infrastructure Type | Count |
|---------------------|-------|
| Wellhead            | 1     |
| Flowline            | 1     |
| Separator           | 1     |
| Dump Line           | 0     |
| Oil Tank            | 0     |
| PWV                 | 0     |
| ECD                 | 0     |
| Other (Specify)     | 0     |

| Excavated Soil Date       | Quantity (CY) |
|---------------------------|---------------|
| NA                        | 0             |
| <b>Total Removed:</b>     | 0             |
| <b>Disposal Facility:</b> | NA            |

| GW Recovery Date          | Quantity (BBL) |
|---------------------------|----------------|
| NA                        | 0              |
| <b>Total Removed:</b>     | 0              |
| <b>Disposal Facility:</b> | NA             |
| <b>Date Encountered:</b>  | NA             |

| FL Abandoned in Place (feet) | FL Removed (feet) |
|------------------------------|-------------------|
| 0                            | 150               |

**Notes:**

|     |                           |      |                                    |
|-----|---------------------------|------|------------------------------------|
| AST | Above-ground storage tank | m    | Meters                             |
| CY  | Cubic Yards               | NA   | Not Applicable                     |
| BBL | Barrels                   | ppm  | Parts per million                  |
| BG  | Background                | PWV  | Produced water vault               |
| PID | Photoionization detector  | TB   | Tank battery                       |
| ECD | Emmissions control device | USCS | Unified Soil Classification System |
| FL  | Flow line                 | WH   | Well head                          |

# Tables

**TABLE 1**  
**Soil Sample Locations**  
**Antelope P-T-17HZ**

| Soil Sample Location | Depth (ft) | Date     | PID Reading (ppm) | Latitude    | Longitude    | Lab (Y/N) | PDOP | Excavated (Y/N) |
|----------------------|------------|----------|-------------------|-------------|--------------|-----------|------|-----------------|
| <b>FLOWLINE</b>      |            |          |                   |             |              |           |      |                 |
| FLB01@4              | 4          | 11/24/25 | 13                | 40.40546327 | -104.3427001 | Y         | 2.1  | N               |
| FLB02@4              | 4          | 11/24/25 | 1                 | 40.40582494 | -104.343119  | Y         | 0.8  | N               |
| <b>WELLHEAD</b>      |            |          |                   |             |              |           |      |                 |
| SP-CS01@6            | 6          | 11/24/25 | 1                 | 40.40541399 | -104.3426903 | Y         | 0.9  | N               |
| WHB01@6              | 6          | 11/24/25 | 43                | 40.40547454 | -104.3427318 | Y         | 1.1  | N               |
| WHE01@5              | 5          | 11/24/25 | 318               | 40.40547411 | -104.3427224 | Y         | 0.8  | N               |
| WHN01@5              | 5          | 11/24/25 | 19                | 40.40548325 | -104.3427291 | N         | 0.8  | N               |
| WHS01@5              | 5          | 11/24/25 | 2                 | 40.40546611 | -104.3427319 | N         | 0.9  | N               |
| WHW01@5              | 5          | 11/24/25 | 3                 | 40.4054738  | -104.3427409 | N         | 0.8  | N               |
| <b>FACILITY</b>      |            |          |                   |             |              |           |      |                 |
| SEP01@4              | 4          | 11/24/25 | 180               | 40.40582848 | -104.3431277 | Y         | 0.9  | N               |
| SP-CS02@4            | 4          | 11/24/25 | 3                 | 40.4058197  | -104.3431331 | Y         | 1    | N               |
| <b>BACKGROUND</b>    |            |          |                   |             |              |           |      |                 |
| BG01@6               | 6          | 12/05/25 | 1                 | 40.40576088 | -104.3434533 | Y         | 0.9  | N               |
| BG02@5               | 5          | 12/05/25 | 1                 | 40.40571951 | -104.343463  | Y         | 0.8  | N               |
| BG03@4               | 4          | 12/05/25 | 1                 | 40.40568214 | -104.3434653 | Y         | 0.8  | N               |
| BG04@3               | 3          | 12/05/25 | 1                 | 40.4056516  | -104.3434606 | Y         | 1.1  | N               |
| BG05@3               | 3          | 12/05/25 | 1                 | 40.40562157 | -104.3434633 | Y         | 0.9  | N               |

Notes:

- PID = Photoionization Detector
- ppm = parts per million
- GPS = Global Positioning System
- PDOP = Position Dilution of Precision

**TABLE 2  
VOCs SUMMARY TABLE  
Antelope P-T-17HZ**

| Soil Sample Location    | Date Sampled | Depth (ft) | Benzene mg/kg         | Toluene mg/kg | Ethylbenzene mg/kg | Total Xylenes mg/kg | Naphthalene mg/kg | TVPH-GRO mg/kg | TEPH-DRO mg/kg | TEPH-ORO mg/kg | 1,2,4-TMB mg/kg      | 1,3,5-TMB mg/kg      |
|-------------------------|--------------|------------|-----------------------|---------------|--------------------|---------------------|-------------------|----------------|----------------|----------------|----------------------|----------------------|
| <b>SITE</b>             |              |            |                       |               |                    |                     |                   |                |                |                |                      |                      |
| <b>GSSL<sup>1</sup></b> |              |            | <b>0.0026</b>         | <b>0.69</b>   | <b>0.78</b>        | <b>9.9</b>          | <b>0.0038</b>     | <b>500</b>     |                |                | <b>0.0081</b>        | <b>0.0087</b>        |
| <b>RSSL<sup>2</sup></b> |              |            | <b>1.2</b>            | <b>490</b>    | <b>5.8</b>         | <b>58</b>           | <b>2</b>          | <b>500</b>     |                |                | <b>30</b>            | <b>27</b>            |
| FLB01@4                 | 11/24/25     | 4          | <0.00109              | <0.0109       | <0.0109            | <0.109              | <b>0.0419</b>     | <2.73          | 110            | 184            | <b>0.0663</b>        | <b>0.0146</b>        |
| FLB02@4                 | 11/24/25     | 4          | <0.00112              | <0.0112       | <0.0112            | <0.112              | <0.00318          | <2.8           | <4.24          | 8.58           | <0.00559             | <0.00559             |
| SEPB01@4                | 11/24/25     | 4          | <0.00849 <sub>3</sub> | <0.0849       | <0.0849            | <0.849              | <b>0.292</b>      | 4.34           | 159            | 47.3           | <0.0425 <sup>3</sup> | <0.0425 <sup>3</sup> |
| SP-CS01@6               | 11/24/25     | 6          | <0.00123              | <0.0123       | <0.0123            | <0.123              | <0.00334          | <3.07          | 33.3           | 78.9           | <0.00613             | <0.00613             |
| SP-CS02@4               | 11/24/25     | 4          | <0.00112              | <0.0112       | <0.0112            | <0.112              | <0.00319          | <2.81          | <4.25          | 13.6           | <0.00562             | <0.00562             |
| WHB01@6                 | 11/24/25     | 6          | <b>0.00278</b>        | 0.0349        | 0.0201             | <0.13               | <b>0.00637</b>    | 4.92           | 22.0           | 32.6           | <b>0.0333</b>        | 0.00832              |
| WHE01@5                 | 11/24/25     | 5          | <0.00121              | <0.0121       | 0.0396             | 0.341               | <b>0.0767</b>     | <b>47.2</b>    | <b>481</b>     | <b>452</b>     | <b>0.0305</b>        | <b>0.271</b>         |

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1 Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Energy and Carbon Management Commission

(<) = Sample result is less than the indicated sample-specific laboratory reporting limit

mg/kg = milligrams per kilogram

TVPH-GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH-DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH-ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4-TMB = 1,2,4 - Trimethylbenzene

1,3,5-TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical Result is in exceedance of GSSL

NA = Not Analyzed

(3) Reporting limit is elevated above GSSL due to dilution and/or dry weight conversion (dilution factor: 8, moisture content: 3%).

**TABLE 3  
PAHs SUMMARY TABLE  
Antelope P-T-17HZ**

| Soil Sample Location    | Date Sampled | Depth (ft) | Acenaphthene mg/kg | Anthracene mg/kg | Benzo(a)A mg/kg | Benzo(b)F mg/kg | Benzo(k)F mg/kg | Benzo(a)P mg/kg | Chrysene mg/kg | D(a,h)A mg/kg | Fluoranthene mg/kg | Fluorene mg/kg | 1,2,3-CD mg/kg | 1-M mg/kg     | 2-M mg/kg     | Pyrene mg/kg |
|-------------------------|--------------|------------|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|----------------|---------------|--------------------|----------------|----------------|---------------|---------------|--------------|
| <b>SITE</b>             |              |            |                    |                  |                 |                 |                 |                 |                |               |                    |                |                |               |               |              |
| <b>GSSL<sup>1</sup></b> |              |            | <b>0.55</b>        | <b>5.8</b>       | <b>0.011</b>    | <b>0.3</b>      | <b>2.9</b>      | <b>0.24</b>     | <b>9</b>       | <b>0.096</b>  | <b>8.9</b>         | <b>0.54</b>    | <b>0.98</b>    | <b>0.006</b>  | <b>0.019</b>  | <b>1.3</b>   |
| <b>RSSL<sup>2</sup></b> |              |            | <b>360</b>         | <b>1800</b>      | <b>1.1</b>      | <b>1.1</b>      | <b>11</b>       | <b>0.11</b>     | <b>110</b>     | <b>0.11</b>   | <b>240</b>         | <b>240</b>     | <b>1.1</b>     | <b>18</b>     | <b>24</b>     | <b>180</b>   |
| FLB01@4                 | 11/24/25     | 4          | <0.0345            | <0.0345          | <0.00628        | <0.0345         | <0.0345         | <0.0345         | <0.0345        | <0.0345       | <0.0345            | <0.0345        | <0.0345        | <b>0.0491</b> | <b>0.0525</b> | <0.0345      |
| FLB02@4                 | 11/24/25     | 4          | <0.035             | <0.035           | <0.00636        | <0.035          | <0.035          | <0.035          | <0.035         | <0.035        | <0.035             | <0.035         | <0.035         | <0.00318      | <0.0127       | <0.035       |
| SEPB01@4                | 11/24/25     | 4          | <0.034             | <0.034           | <0.00619        | <0.034          | <0.034          | <0.034          | <0.034         | <0.034        | <0.034             | <0.034         | <0.034         | <b>0.0309</b> | <b>0.0749</b> | <0.034       |
| SP-CS01@6               | 11/24/25     | 6          | <0.0367            | <0.0367          | <0.00668        | <0.0367         | <0.0367         | <0.0367         | <0.0367        | <0.0367       | <0.0367            | <0.0367        | <0.0367        | <0.00334      | <0.0134       | <0.0367      |
| SP-CS02@4               | 11/24/25     | 4          | <0.035             | <0.035           | <0.00637        | <0.035          | <0.035          | <0.035          | <0.035         | <0.035        | <0.035             | <0.035         | <0.035         | <0.00319      | <0.0127       | <0.035       |
| WHB01@6                 | 11/24/25     | 6          | <0.038             | <0.038           | <0.00691        | <0.038          | <0.038          | <0.038          | <0.038         | <0.038        | <0.038             | <0.038         | <0.038         | <b>0.0212</b> | <b>0.0227</b> | <0.038       |
| WHE01@5                 | 11/24/25     | 5          | 0.0516             | <0.0365          | <0.00664        | <0.0365         | <0.0365         | <0.0365         | <0.0365        | <0.0365       | <0.0365            | 0.215          | <0.0365        | <b>1.08</b>   | <b>0.392</b>  | <0.0365      |

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1 Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Energy and Carbon Management Commission

(<) = Sample result is less than the indicated sample-specific laboratory reporting limit

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenz(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical Result is in exceedance of GSSL

NA = Not Analyzed

**TABLE 4**  
**SOIL ANALYTICAL RESULTS SUMMARY - METALS**  
**Antelope P-T-17HZ**

| Soil Sample Location                 | Date Sampled | Depth (ft) | Arsenic mg/kg | Barium mg/kg | Cadmium mg/kg | Chromium (VI) mg/kg | Copper mg/kg | Lead mg/kg  | Nickel mg/kg | Selenium mg/kg | Silver mg/kg | Zinc mg/kg   |
|--------------------------------------|--------------|------------|---------------|--------------|---------------|---------------------|--------------|-------------|--------------|----------------|--------------|--------------|
| <b>GSSL<sup>1</sup></b>              |              |            | <b>0.29</b>   | <b>82</b>    | <b>0.38</b>   | <b>0.00067</b>      | <b>46</b>    | <b>14</b>   | <b>26</b>    | <b>0.26</b>    | <b>0.8</b>   | <b>370</b>   |
| <b>RSSL<sup>2</sup></b>              |              |            | <b>0.68</b>   | <b>15000</b> | <b>71</b>     | <b>0.3</b>          | <b>3100</b>  | <b>400</b>  | <b>1500</b>  | <b>390</b>     | <b>390</b>   | <b>23000</b> |
| <b>Background Limits<sup>3</sup></b> |              |            | <b>5.45</b>   | <b>106</b>   | <b>ND</b>     | <b>ND</b>           | <b>ND</b>    | <b>ND</b>   | <b>ND</b>    | <b>0.419</b>   | <b>ND</b>    | <b>ND</b>    |
| <b>BACKGROUND</b>                    |              |            |               |              |               |                     |              |             |              |                |              |              |
| BG01@6                               | 12/05/25     | 6          | 3.80          | 63.8         | <0.103        | <0.206              | <10.3        | <10.3       | <10.3        | 0.335          | <0.514       | <51.4        |
| BG02@5                               | 12/05/25     | 5          | 3.62          | 61.1         | <0.103        | <0.207              | <10.3        | <10.3       | <10.3        | 0.262          | <0.517       | <51.7        |
| BG03@4                               | 12/05/25     | 4          | 3.34          | 51.4         | <0.104        | <0.208              | <10.4        | <10.4       | <10.4        | 0.281          | <0.52        | <52          |
| BG04@3                               | 12/05/25     | 3          | 4.36          | 84.9         | <0.107        | <0.214              | <10.7        | <10.7       | <10.7        | 0.334          | <0.535       | <53.5        |
| BG05@3                               | 12/05/25     | 3          | 3.81          | 63.2         | <0.112        | <0.215              | <11.2        | <11.2       | <11.2        | 0.242          | <0.559       | <55.9        |
| <b>SITE</b>                          |              |            |               |              |               |                     |              |             |              |                |              |              |
| <b>GSSL<sup>1</sup></b>              |              |            | <b>0.29</b>   | <b>82</b>    | <b>0.38</b>   | <b>0.00067</b>      | <b>46</b>    | <b>14</b>   | <b>26</b>    | <b>0.26</b>    | <b>0.8</b>   | <b>370</b>   |
| <b>RSSL<sup>2</sup></b>              |              |            | <b>0.68</b>   | <b>15000</b> | <b>71</b>     | <b>0.3</b>          | <b>3100</b>  | <b>400</b>  | <b>1500</b>  | <b>390</b>     | <b>390</b>   | <b>23000</b> |
| <b>Background Limits<sup>3</sup></b> |              |            | <b>5.45</b>   | <b>106</b>   | <b>ND</b>     | <b>ND</b>           | <b>ND</b>    | <b>ND</b>   | <b>ND</b>    | <b>0.419</b>   | <b>ND</b>    | <b>ND</b>    |
| FLB01@4                              | 11/24/25     | 4          | 2.04*         | 89.7*        | <0.105        | <0.209              | <10.5        | <10.5       | <10.5        | 0.180          | <0.523       | <52.3        |
| FLB02@4                              | 11/24/25     | 4          | 2.81*         | 62.0         | <0.106        | <0.212              | <10.6        | <10.6       | <10.6        | 0.210          | <0.53        | <53          |
| SEP01@4                              | 11/24/25     | 4          | 2.87*         | 55.2         | <0.103        | <0.206              | <10.3        | <10.3       | <10.3        | 0.176          | <0.515       | <51.5        |
| SP-CS01@6                            | 11/24/25     | 6          | 4.30*         | <b>240</b>   | 0.193         | <0.223              | 16.3         | 12.8        | 11.4         | <b>0.515</b>   | <0.556       | 58.9         |
| SP-CS02@4                            | 11/24/25     | 4          | 4.21*         | 87.0*        | 0.132         | <0.212              | <11          | <b>15.9</b> | <11          | 0.247          | <0.552       | <55.2        |
| WHB01@6                              | 11/24/25     | 6          | 3.02*         | <b>181</b>   | 0.167         | <b>3.46</b>         | <11.5        | <11.5       | <11.5        | 0.263*         | <0.576       | <57.6        |
| WHE01@5                              | 11/24/25     | 5          | 2.62*         | 59.6         | <0.111        | <0.221              | <11.1        | <11.1       | <11.1        | 0.265*         | <0.553       | <55.3        |

- Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021).
- Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021).
- Background Limits are calculated as the maximum of site-specific background data multiplied by 1.25.

ECMC = Energy and Carbon Management Commission

(<) = Sample result is less than the indicated sample-specific laboratory reporting limit

mg/kg = milligrams per kilogram

Blue highlight: Highest background concentration for the depth interval x 1.25

Bolded values: Concentrations greater than both background limits and GSSL

Asterisk (\*) = Concentration greater than GSSL but less than background concentration

This report was generated using the GiSdT SM Energy Data Management and Reporting webtool, Version 2.3.1, created by Neptune and Company, Inc.

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Italics = Laboratory method detection limit exceeds the ECMC Table 915-1 Standard

ND = Not Detected

NA = Not Analyzed

**TABLE 5  
SOIL SUITABILITY RESULTS SUMMARY TABLE  
Antelope P-T-17HZ**

| Soil Sample Location                             | Date Sampled | Depth (ft) | Boron (mg/L) | pH           | SAR          | EC (mmhos/cm) |
|--|--------------|------------|--------------|--------------|--------------|---------------|
| <b>ECMC Soil Suitability for Reclamation (1)</b> |              |            | <b>2</b>     | <b>6-8.3</b> | <b>&lt;6</b> | <b>&lt;4</b>  |
| <b>Background Limits (2)</b>                     |              |            | <b>ND</b>    | <b>7.48</b>  | <b>0.187</b> | <b>0.0815</b> |
| <b>BACKGROUND</b>                                |              |            |              |              |              |               |
| BG01@6   | 12/05/25     | 6          | <0.1         | 7.48         | 0.187        | 0.0815        |
| BG02@5   | 12/05/25     | 5          | <0.1         | 7.36         | 0.143        | 0.0766        |
| BG03@4   | 12/05/25     | 4          | <0.1         | 7.01         | 0.0970       | 0.064         |
| BG04@3   | 12/05/25     | 3          | <0.1         | 7.11         | 0.120        | 0.0737        |
| BG05@3   | 12/05/25     | 3          | <0.1         | 7.22         | 0.0958       | 0.0739        |
| <b>SITE</b>                                      |              |            |              |              |              |               |
| <b>ECMC Soil Suitability for Reclamation (1)</b> |              |            | <b>2</b>     | <b>6-8.3</b> | <b>&lt;6</b> | <b>&lt;4</b>  |
| <b>Background Limits (2)</b>                     |              |            | <b>ND</b>    | <b>7.48</b>  | <b>0.187</b> | <b>0.0815</b> |
| FLB01@4  | 11/24/25     | 4          | <0.1         | <b>8.37</b>  | 0.311        | 0.222         |
| FLB02@4  | 11/24/25     | 4          | <0.1         | 7.25         | 0.138        | 0.0828        |
| SEPB01@4   | 11/24/25     | 4          | <0.1         | 8.07         | 0.252        | 0.217         |
| SP-CS01@6  | 11/24/25     | 6          | <0.1         | <b>8.40</b>  | 1.87         | 0.874         |
| SP-CS02@4  | 11/24/25     | 4          | <0.1         | 7.95         | 0.224        | 0.203         |
| WHB01@6  | 11/24/25     | 6          | <0.1         | <b>12.6</b>  | 3.54         | <b>16.9</b>   |
| WHE01@5  | 11/24/25     | 5          | <0.1         | <b>8.87</b>  | 2.72         | 0.269         |

1. Standards for soil are taken from ECMC Table 915-1: Soil Suitability for Reclamation (Effective January 15 2021).

2. Background limits are calculated as the maximum of site-specific background data.

ECMC = Energy and Carbon Management Commission

(<) = Sample result is less than the indicated sample-specific laboratory reporting limit

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

pH = Potential of Hydrogen

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

Green highlight: Highest background concentration for the depth interval

Bolded values: Concentration greater than both background concentration and ECMC Table 915-1 cleanup concentration

Asterisk (\*) = Concentration greater than ECMC Table 915-1 cleanup concentration but less than background concentration

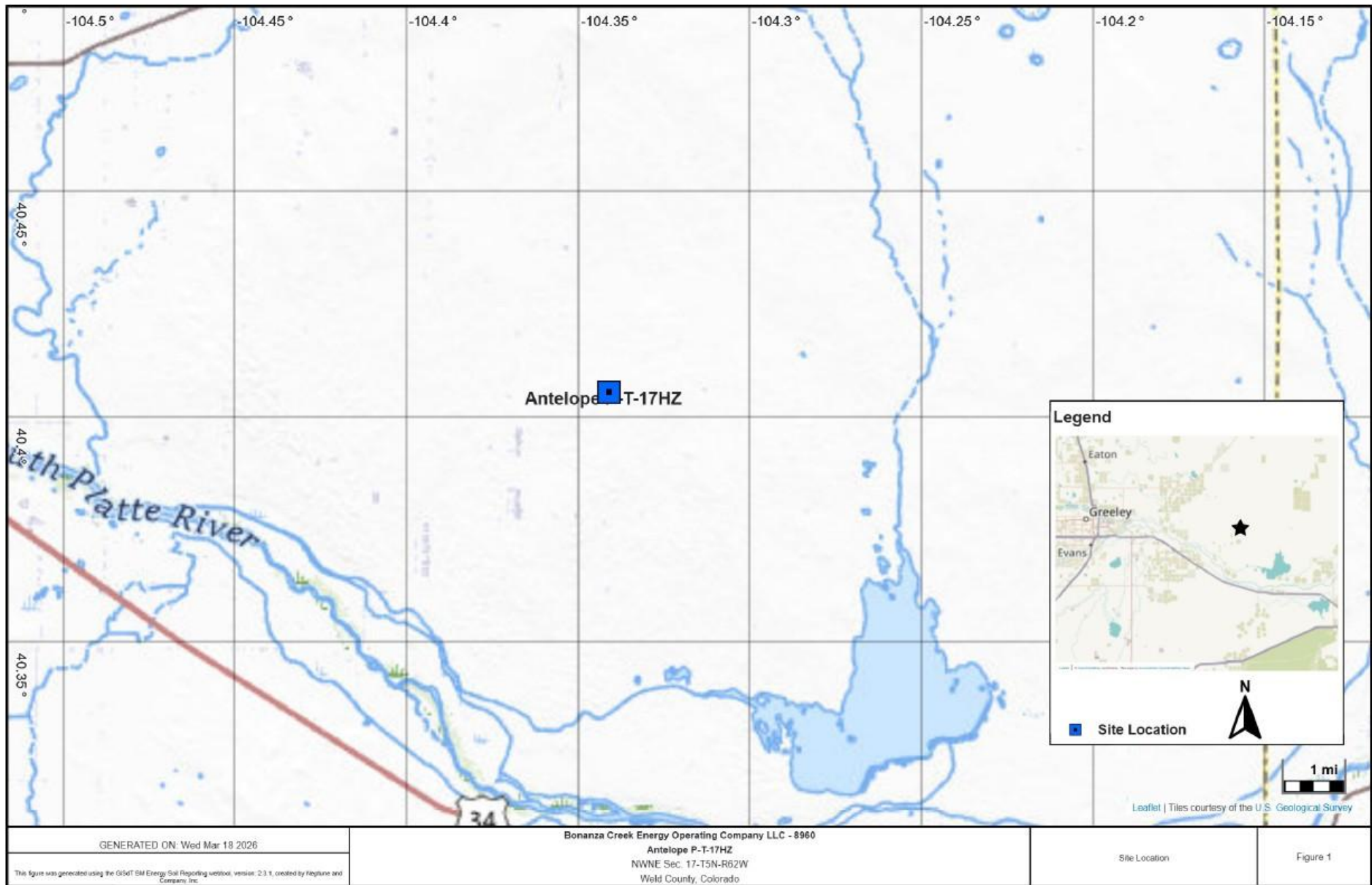
This report was generated using the GiSdT SM Energy Data Management and Reporting webtool, Version 2.3.1, created by Neptune and Company, Inc.

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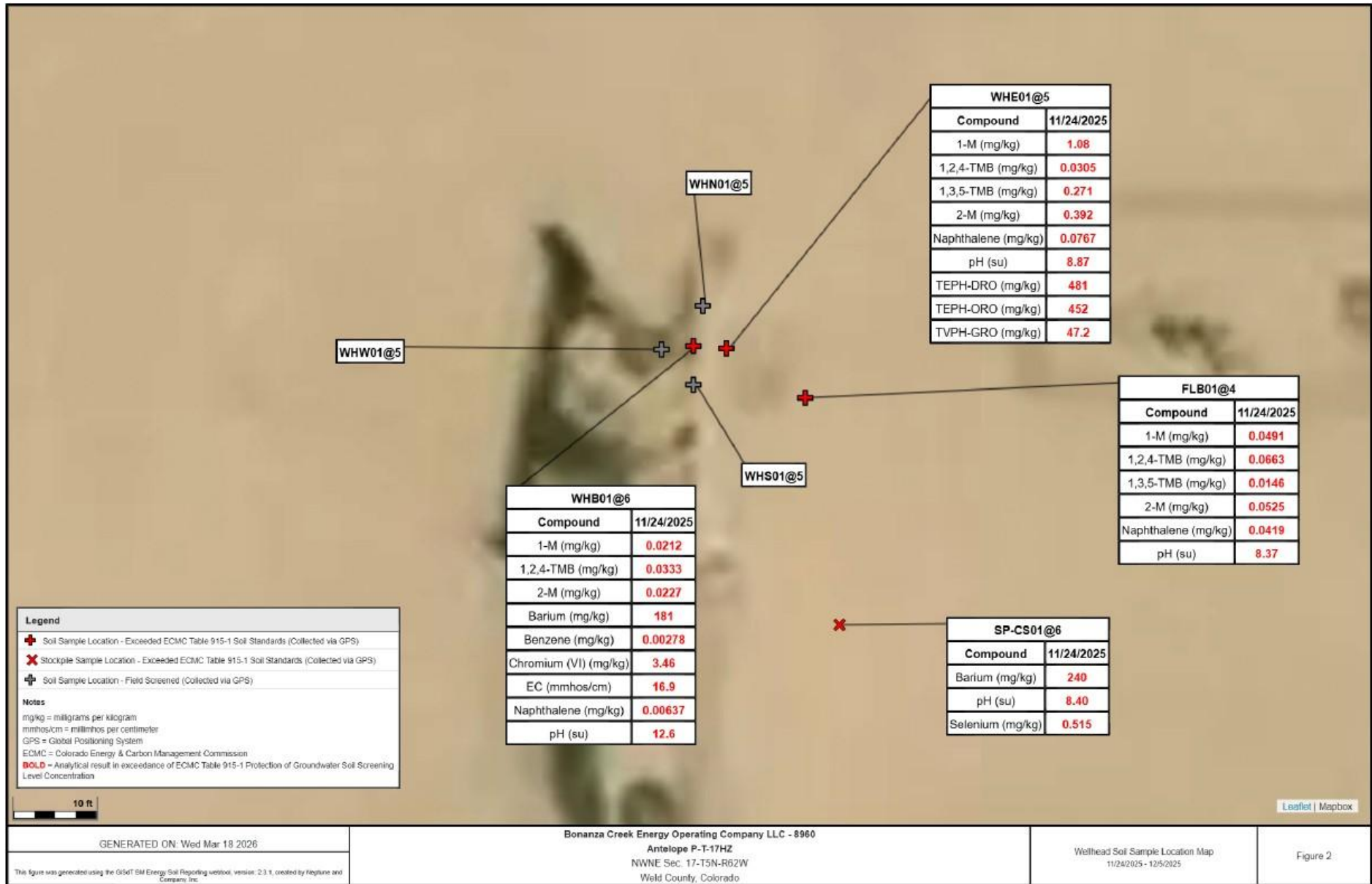
ND = Not Detected

NA = Not Analyzed

## Figures



This report was generated using the GiSdT SM Energy Data Management and Reporting webtool, Version 2.3.1, created by Neptune and Company, Inc.



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# **Photographic Log**



|  |
|--|
| Sample ID: WHW01@5<br>Location:<br>40.4054738, -104.34274094 |
| Depth (ft): 5  |
|  |



|   |
|---|
| Sample ID: WHE01@5<br>Location:<br>40.40547411, -104.34272244 |
| Depth (ft): 5   |
|   |



|   |
|---|
|   |
| <b>Sample ID: WHN01@5</b><br>Location:<br>40.40548325, -104.3427291 |
| Depth (ft): 5   |
|   |



|  |
|--|
|  |
| <b>Sample ID: WHS01@5</b><br>Location:<br>40.40546611, -104.34273186 |
| Depth (ft): 5  |
|  |



|   |
|---|
| Sample ID: WHB01@6<br>Location:<br>40.40547454, -104.34273179 |
| Depth (ft):   |



|   |
|---|
| Sample ID: FLB01@4<br>Location:<br>40.40546327, -104.34270007 |
| Depth (ft):   |



|  |
|--|
| Sample ID: <b>SP-CS01@6</b><br>Location:<br>40.40541399, -104.34269028 |
| Depth (ft): 6  |



|   |
|---|
| Sample ID: <b>SEPB01@4</b><br>Location:<br>40.40582848, -104.34312774 |
| Depth (ft): 4   |



|  |
|--|
| Sample ID: <b>FLB02@4</b><br>Location:<br>40.40582494, -104.34311902 |
| Depth (ft): 4  |



|   |
|---|
| Sample ID: <b>SP-CS02@4</b><br>Location:<br>40.4058197, -104.34313305 |
| Depth (ft): 4   |





|   |
|---|
| Sample ID: <b>BG01@6</b><br>Location:<br>40.40576088, -104.34345331 |
| Depth (ft):   |
|   |



|   |
|---|
| Sample ID: <b>BG02@5</b><br>Location:<br>40.40571951, -104.34346295 |
| Depth (ft): 5   |
|   |





|   |
|---|
|   |
| <b>Sample ID: BG03@4</b><br>Location:<br>40.40568214, -104.34346526 |
| Depth (ft): 4   |
|   |



|  |
|--|
|  |
| <b>Sample ID: BG04@3</b><br>Location:<br>40.4056516, -104.34346058 |
| Depth (ft): 3  |
|  |



Sample ID: **BG05@3**

Location:

40.40562157, -104.34346325

Depth (ft): 3

