



ENSOLUM

October 24, 2024

Mr. Derek Horn
QB Energy Operating LLC
1001 17th Street #1600
Denver, Colorado 80202

**Subject: Soil Sampling Summary
QB Energy Operating LLC
Remediation Project Number: Not Assigned
ELU A18 495 Cuttings
Garfield County, Colorado**

Dear Mr. Horn:

On October 24, 2024, initial soil sampling activities were conducted at the **ELU A18 495 Cuttings** location. One (1) soil sample was collected (A18 495-(BASE01)@0.5) from the base of the existing excavation from a depth of approximately 0.5 feet below ground surface (bgs). The soil sample was field screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID) and exhibited a reading of 0.2 ppm. The sample was submitted to Elevation Diagnostics (Elevation) for analysis of the full Table 915-1 with a standard turnaround request.

Additionally, two (2) background samples (NPRBG-(A18 495-W)@1 and NPRBG-(A18 495-W)@0.5) were taken in native soil outside interim reclamation areas. The soil samples were field screened for VOC concentrations using a PID and both exhibited a reading of 0.1 ppm. The soil samples were submitted to Elevation for analysis of 915-1 Metals and Soil Suitability with a standard turnaround request.

Site diagrams, photographic logs, field notes, and Chain of Custodies (COC) illustrating the activities for the date identified above are attached to this document. If you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,

Ensolum, LLC

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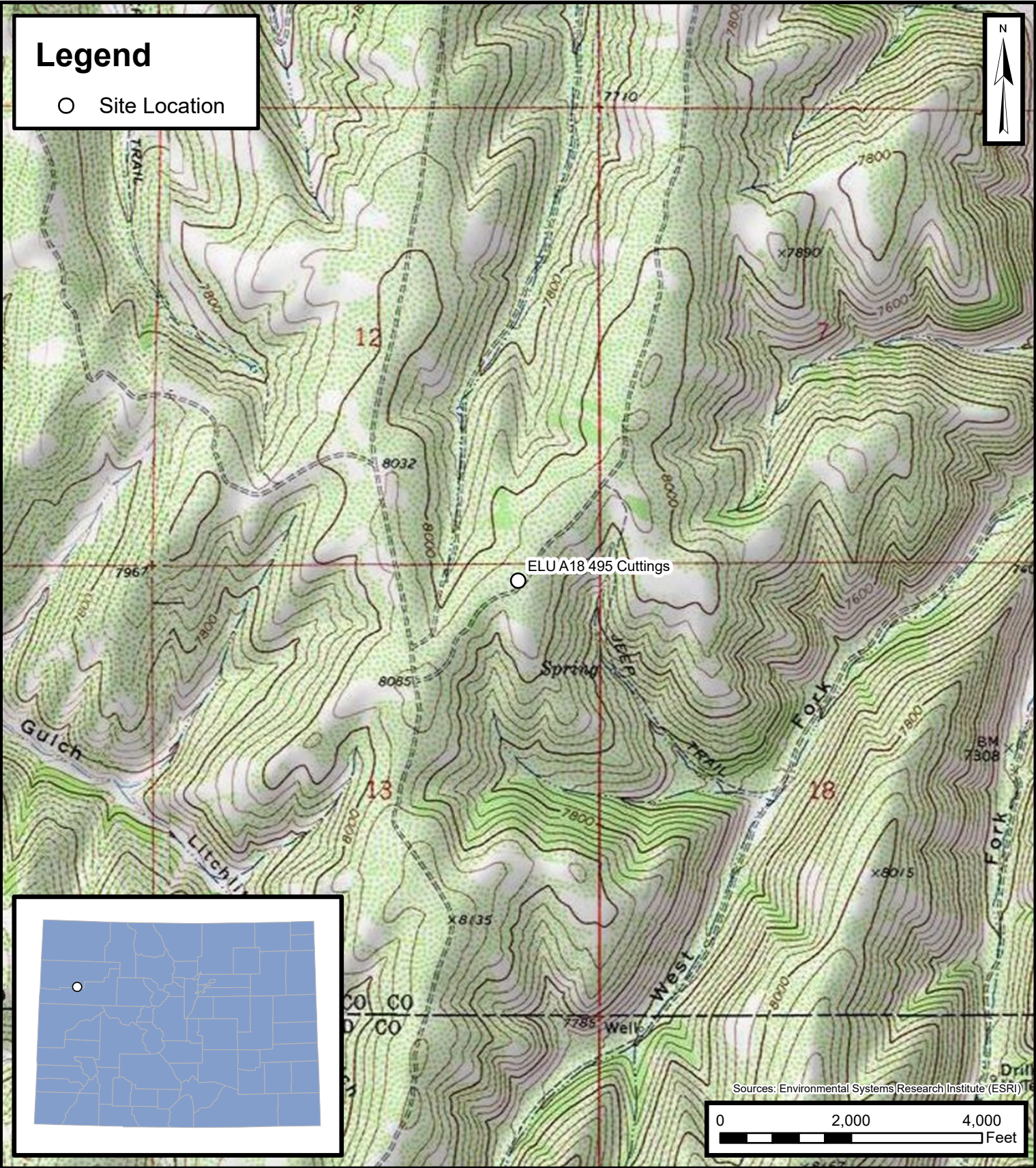
Appendix C – Photographic Log

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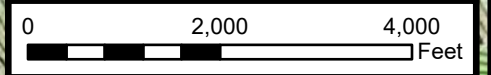
Appendix E – Chain of Custody

Legend

○ Site Location



Sources: Environmental Systems Research Institute (ESRI)



Topographic Map

ELUA18 495 Cuttings
QB Energy Operating LLC
NWNW Sec 13, T04N, R96W
Garfield County, Colorado

Project Number: 09D2436023

FIGURE

1

Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\18 495 Cuttings\1 - Project\Fig.1_Template\ELUA18 495 Cuttings.aprx

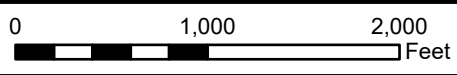
Legend

○ Site Location



Harrison Gulch

ELU A18 495 Cuttings



Sources: Bing Maps

Aerial Site Location Map

ELU A18 495 Cuttings
QB Energy Operating LLC
NWNW Sec 13, T04N, R96W
Garfield County, Colorado

Project Number: 09D2436023

FIGURE

2



Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_CIS\Fig Path Structure2 - Denver\QB Energy Operating, LLC\09D2436023 - ELU A18 495 Cuttings\1 - Project\Fig_1_Template\ELU A18 495 Cuttings.aprx

Legend

- Soil Sample
- Background Location
- ▭ Excavation Extent



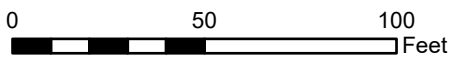
NPRBG-(A18 495-W)@1



BASE01@0.5



NPRBG-(A18 495-W)@0.5



Sources: Bing Maps



Soil Sample Location Map

ELU A18 495 Cuttings
QB Energy Operating LLC
NWNW Sec 13, T04N, R96W
Garfield County, Colorado

Project Number: 09D2436023

FIGURE


3





ECMC Location Name (ID): TBD	Legal Description: NWNW S13 T4S R96W
Client Location Name: ELU A18 495 Cuttings	Coordinates (Lat/Long): 39.709112, -108.105039
ECMC Remediation Project(s): TBD	County: Garfield


Table 1 - Soil Sampling Summary

Soil Sample ID	Sample Type	Depth (FT BGS)	PID Reading (ppm)	Odor (Y/N)	Odor Description (If Applicable)	Staining (Y/N)	Staining Description (If Applicable)	Grab (G) or Composite (C)	Submitted for Analysis (Y/N)	Analysis or Rationale for no Submittal	Turnaround Time (TAT)
20241024-A18 495-(BASE01)@0.5	Excavation	0.5	0.2	N	-	N	-	G	Y	Full Table 915-1	Standard
20241024-NPRBG-(A18 495-W)@1	Background	1	0.1	N	-	N	-	G	Y	915-1 Metals, Soil Suitability	Standard
20241024-NPRBG-(A18 495-W)@0.5	Background	0.5	0.1	N	-	N	-	G	Y	915-1 Metals, Soil Suitability	Standard

PHOTOGRAPHIC LOG		
Caerus Piceance, LLC	ELU A18 495 Cuttings Garfield County, Colorado	Sample ID: NA
Date: October 24, 2024	Photo No. 1 – Extent	Coordinates Lat/Long: 39.708957/-108.111035
<p>Date & Time: Thu, Oct 24, 2024 at 09:25:30 MDT Position: +039.708957° / -108.111035° (±15.6ft) Altitude: 8089ft (±13.2ft) Datum: WGS-84 Azimuth/Bearing: 095° S85E 1689mils True (±12°) Elevation Angle: -18.8° Horizon Angle: -01.1° Zoom: 0.5X Grading extent</p> 		
View facing east of the excavation/grading extent.		

PHOTOGRAPHIC LOG		
Caerus Piceance, LLC	ELU A18 495 Cuttings Garfield County, Colorado	Sample ID: NA
Date: October 24, 2024	Photo No. 2 – Extent	Coordinates Lat/Long: 39.708978/-108.110919
<p>Date & Time: Thu, Oct 24, 2024 at 09:25:47 MDT Position: +039.708978° / -108.110919° (±7.8ft) Altitude: 8079ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 243° S63W 4320mils True (±12°) Elevation Angle: -17.7° Horizon Angle: -00.6° Zoom: 0.5X Grading extent</p> 		
View facing southwest of the excavation/grading extent.		

PHOTOGRAPHIC LOG		
Caerus Piceance, LLC	ELU A18 495 Cuttings Garfield County, Colorado	Sample ID: NA
Date: October 24, 2024	Photo No. 3 – Extent	Coordinates Lat/Long: 39.708899/-108.110939
<p>Date & Time: Thu, Oct 24, 2024 at 09:26:04 MDT Position: +039.708899° / -108.110939° (±17.2ft) Altitude: 8084ft (±10.0ft) Datum: WGS-84 Azimuth/Bearing: 322° N38W 5724mils True (±12°) Elevation Angle: -20.3° Horizon Angle: -00.2° Zoom: 0.5X Grading extent</p> 		
View facing west of the excavation/grading extent.		

PHOTOGRAPHIC LOG		
Caerus Piceance, LLC	ELU A18 495 Cuttings Garfield County, Colorado	Sample ID: 20241024-A18 495-(BASE01)@0.5
Date: October 24, 2024	Photo No. 4 – BASE01	Coordinates Lat/Long: 39.708978/-108.110998
<p>Date & Time: Thu, Oct 24, 2024 at 09:29:50 MDT Position: +039.708978° / -108.110998° (±10.8ft) Altitude: 8086ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 147° S33E 2613mils True (±11°) Elevation Angle: -28.1° Horizon Angle: +00.5° Zoom: 0.5X Cutting/POR/Grading sample location</p> 		
View facing southeast of BASE01 sample location.		

PHOTOGRAPHIC LOG		
Caerus Piceance, LLC	ELU A18 495 Cuttings Garfield County, Colorado	Sample ID: 20241024-NPRBG-(A18 495-W)@1
Date: October 24, 2024	Photo No. 5 – A18 495-W@1	Coordinates Lat/Long: 39.709229/-108.111209
<p>Date & Time: Thu, Oct 24, 2024 at 09:42:23 MDT Position: +039.709229° / -108.111209° (±15.2ft) Altitude: 8081ft (±13.2ft) Datum: WGS-84 Azimuth/Bearing: 179° S01E 3182mils True (±11°) Elevation Angle: -23.8° Horizon Angle: +04.0° Zoom: 0.5X NPRBG-(A18 495-W)@1</p> 		
View facing east of background sample (A18 495-W)@1.		

PHOTOGRAPHIC LOG		
Caerus Piceance, LLC	ELU A18 495 Cuttings Garfield County, Colorado	Sample ID: 20241024-NPRBG-(A18 495-W)@0.5
Date: October 24, 2024	Photo No. 6 – A18 495-W@0.5	Coordinates Lat/Long: 39.708789/-108.110882
<p>Date & Time: Thu, Oct 24, 2024 at 10:07:42 MDT Position: +039.708789° / -108.110882° (±37.7ft) Altitude: 8082ft (±17.8ft) Datum: WGS-84 Azimuth/Bearing: 164° S16E 2916mils True (±11°) Elevation Angle: -25.6° Horizon Angle: +01.0° Zoom: 0.5X NPRBG-(A18 495-W)@0.5</p> 		
View facing east of background sample (A18 495-W)@0.5.		

Location ELU A18 495 CUTTINGS Date 10/24/24
 Project / Client QB ENERGY / 09D2436023
39.709112, -108.105039

On Site: Meredith

Equip: Truck, Trimble, PID, 4 gas*

Weather: cur 46, hi 60, sunny, ice

06 00 Site prep, printed information, downloaded

06 15 Left apartment for gas

06 20 @ gas station, bought ice

06 25 Left for site

08 00 On site. Did drive around pad

to try & find spill area. Called Derek, he said I was looking for a probably 0.5-1ft excavation. Sent me Mason Myers contact info.

- Call failed to Mason, texted him & he called me back (~0830)

- Said he'd try to be onsite in 15-20 min to help me find location

09 00 Mason called, just now leaving other site. Will be here shortly

09 20 Mason on site, leaving back up the road to graded area.

10 20 Offsite, picking up shipping label @ QB

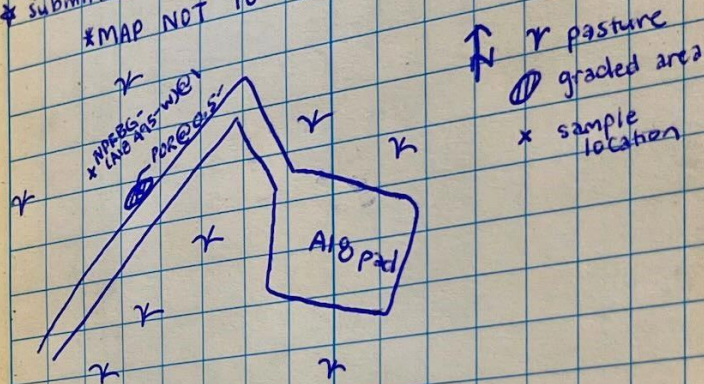
12 10 Dropped off samples

12 30 Back @ apartment *mearys*

Location ELU A18 495 CUTTINGS Date 10/24/24
 Project / Client QB ENERGY / 09D2436023

All samples screened for hydrocarbons (PID) + measured in parts per million (ppm).							
SAMPLE ID	DEPTH	TIME	PID	S/O	G/C	Photo	Other
*POR @ 0.5'	0.5'	0930	0.2	N/N	G	092950	SP
*NPR66	1'	0940	0.1	N/N	G	094223	SP
*NPR66	0.5	1010	0.1	N/N	G		SP
A18495@0.5	0.5						

* Submitted to lab (Elevation)
 * MAP NOT TO SCALE *



* SITE CONSIDERATIONS

- DG coords for pad. Spill area beside lease road
- Poor service
- High traffic due to rig

mearys
 Note in the rain.



Address: 2796 JUSTICE DRIVE
GRAND JUNCTION
CO 81506
Location: GJTA
Device ID: -BTC02

FedEx Express Package(s) - Dropped Off
Tracking Number:
779438567480 26.60 1b (M)

Total Pieces: 1

Subject to terms and conditions, including terms that limit FedEx's liability. The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions and other factors. Shipment-related terms and conditions and details on how shipping charges are calculated are available upon request or at [fedex.com/serviceguide](https://www.fedex.com/serviceguide).

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