

May 18, 2026

Derek Horn  
EH&S Specialist  
Environmental Health and Safety  
QB Energy LLC  
143 Diamond Avenue  
Parachute, Colorado 81635

**Re: Report of Work Completed  
H7 Tank Battery Release  
Mamm Creek Field  
Garfield County, Colorado**

Dear Mr. Horn,

Quandary Consultants LLC (Quandary), on behalf of QB Energy LLC (QB), completed excavation oversight and confirmation soil field screening and sampling activities in response to a produced water release at the KRK-67S92W/7SENE (H7) pad location (Site) (Facility ID: 334864). All investigative activities following the discovery of the release were completed in accordance with the State of Colorado Energy and Carbon Management Commission (ECMC) Rule 913.c.(3): *Remediation of Spill Releases Pursuant to Rule 912*. Such activities may be referenced under the ECMC Remediation Project Number (RPN) 31686. This report of work completed (ROWC) was prepared for the purpose of presenting the second quarter (Q2) of 2026 activities completed at the Site. The Site is located in QB's Mamm Creek area of operation in Garfield County, Colorado (Figure 1).

#### **EXCAVATION OVERSIGHT AND CONFIRMATION SOIL SAMPLING ACTIVITIES – H7**

Prior to Quandary's arrival at the Site on April 15, 2026, White's Construction and Excavation LLC (White's) of Meeker, Colorado advanced an engineered excavation to a depth of approximately thirty (30) feet below ground surface (bgs), centered on the historical tank battery footprint. On April 15, 2026, a confirmation soil sample [20260415-H7-(EW01)@30] was collected from the eastern sidewall of the excavation area using the excavator bucket. On April 16, 2026, four additional confirmation samples [20260416-H7-(SW01)@30, 20260416-H7-(WW01)@30, 20260416-H7-(NW01)@30, and 20260416-H7-(BASE01)@30] were collected from the remaining sidewalls and base of the excavation area. Assumed impacted soil was stockpiled to the southwest portion of the Site.

On April 20, 2026, Quandary returned to the Site to collect five-point composite confirmation soil samples from the stockpiled material. Due to the estimated volume of material, the stockpile was divided into eight cells, each containing less than five hundred cubic yards of material. In compliance with the sampling requirements dictated by the ECMC, one five-point composite confirmation soil sample was collected from each stockpile cell.

All confirmation soil samples were field screened and were inspected for staining and hydrocarbon odor via visual and olfactory senses. A photoionization detector (PID) was utilized to monitor the material headspaces for the absence or presence of volatile organic compounds (VOCs). The five-point composite soil samples were thoroughly mixed prior to field screening. The table below summarizes the field screening results and observations.

**Confirmation Soil Sampling Summary – April 15 – 20, 2026**

Sample ID	Coordinates	PID (ppm)	Field Observations	Laboratory Analysis
20260415-H7-(EW01)@30	39.462831, -107.701773	0.0	No Odor / No Staining	TPH
20260416-H7-(SW01)@30	39.462834, -107.701820	21	No Odor / No Staining	TPH
20260416-H7-(WW01)@30	39.462873, -107.701848	4.7	No Odor / No Staining	TPH
20260416-H7-(NW01)@30	39.462892, -107.701812	29	No Odor / No Staining	TPH
20260416-H7-(BASE01)@30	39.462861, -107.701814	270	No Odor / No Staining	TPH
20260420-H7-(STOCK01-A)	39.462729, -107.702545 (Center)	3.0	No Odor / No Staining	TPH
20260420-H7-(STOCK01-B)	39.462701, -107.702430 (Center)	7.1	No Odor / No Staining	TPH
20260420-H7-(STOCK01-C)	39.462661, -107.702332 (Center)	1.4	No Odor / No Staining	TPH

Sample ID	Coordinates	PID (ppm)	Field Observations	Laboratory Analysis
20260420-H7-(STOCK01-D)	39.462613, -107.702236 (Center)	1.2	No Odor / No Staining	TPH
20260420-H7-(STOCK01-E)	39.462532, -107.702275 (Center)	2.4	No Odor / No Staining	TPH
20260420-H7-(STOCK01-F)	39.462559, -107.702392 (Center)	1.0	No Odor / No Staining	TPH
20260420-H7-(STOCK01-G)	39.462595, -107.702488 (Center)	4.8	No Odor / Green Staining	TPH
20260420-H7-(STOCK01-H)	39.462634, -107.02589 (Center)	3.7	No Odor / Green Staining	TPH

Key: PID – Photoionization Detector ppm – Parts Per Million TPH – Total Petroleum Hydrocarbons

In total, thirteen (13) confirmation soil samples were submitted to Elevation Diagnostics (Elevation) of Aurora, Colorado for laboratory analysis of exclusively total petroleum hydrocarbons (TPH), in accordance with ECMC Document Number (DN): 403771263. All confirmation soil sample locations and the stockpile and excavation extents were mapped via a Juniper Systems Archer 4 Handheld® global positioning system (GPS) receiver and are depicted on Figure 2. An Anzu Raptor T® unmanned aerial vehicle (drone) was flown over the Site so that updated aerial imagery, stockpile and excavation volumetrics could be obtained.

### **ANALYTICAL RESULTS – H7**

The laboratory analytical results from the 13 confirmation soil samples collected between April 15 through 20, 2026 indicated no exceedances of the ECMC Residential Soil Screening Level Concentrations (RSSLCs). All TPH concentrations from the clean stockpile and excavation walls and base were either below the laboratory reporting detection limit (RDL) or were within the ECMC Table 915-1 cleanup concentrations (CCs). All analytical results are summarized in Table 1. The respective laboratory analytical reports are included in the corresponding electronic supplemental Form 27 (DN: 404642361).

## CONCLUSION


Based on the laboratory analytical data presented herein, there are no remaining subsurface soil impacts affiliated with tank battery produced water release at the Site. All exceedances were removed via mechanical excavation. Based on the data provided herein, Quandary recommends that QB use the clean soil stockpiled at the Site to backfill the excavation (approximately 3,012 yards as shown on Figure 3). Additional confirmation soil samples should also be collected from the remaining stockpiles for characterization purposes. Pending analytical results, Quandary will work with QB to direct further disposal of backfill and no further action request.

Please contact us at (970) 658-7025 or at [pcoit@quandaryconsultants.com](mailto:pcoit@quandaryconsultants.com) if you have any questions regarding this report or require additional information.

Kind regards,



Parker Coit, P.G.  
Program Manager



Alex Asay  
Environmental Project Coordinator

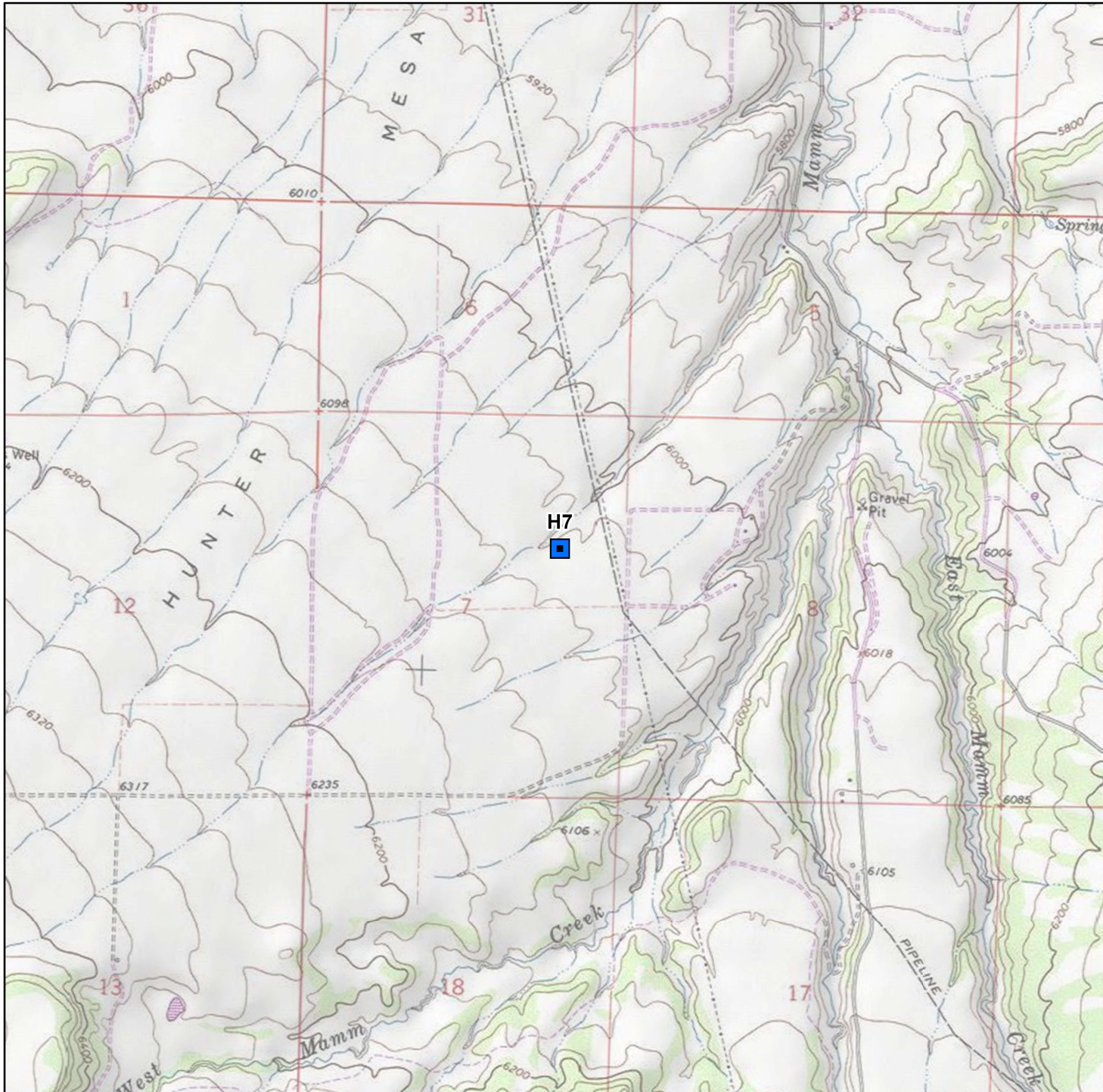
Encl.

## FIGURES

# TABLE

# PHOTOGRAPHIC LOG

## FIGURES



**Legend**

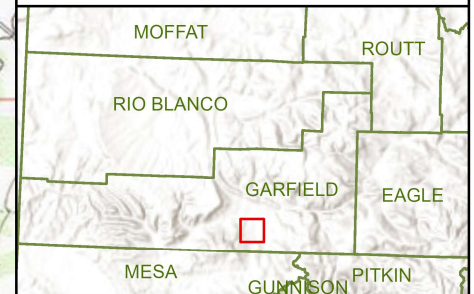
- Site Location
- County Boundary



**QB Energy Operating, LLC**

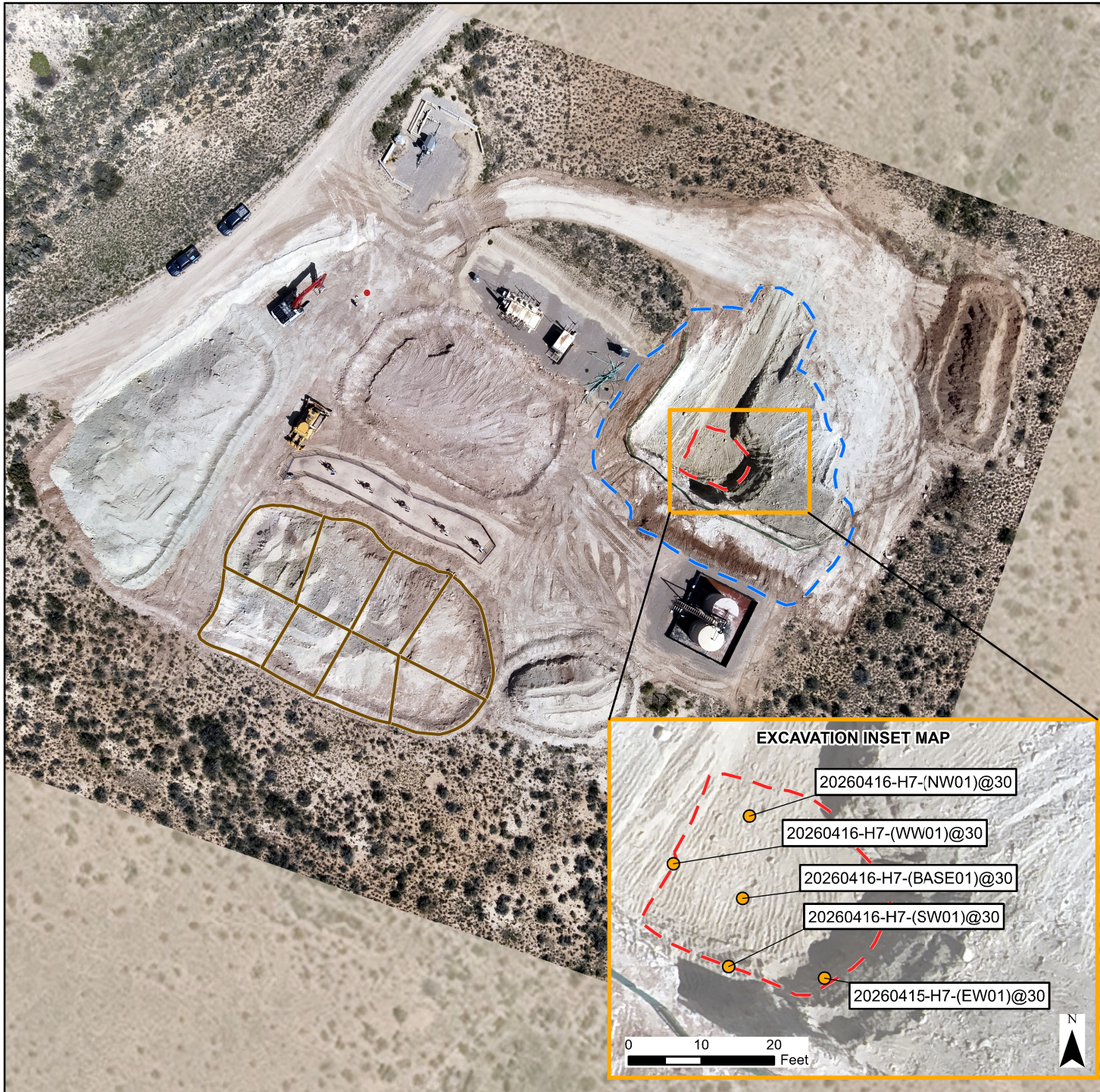
**Figure 1. H7  
Site Location Map**

39.462990, -107.702400  
SENE, Sec. 7, T7S, R92W, 6PM  
Garfield County, CO



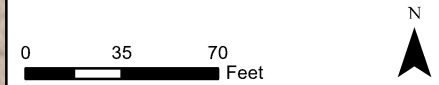
Date: 2/10/2026 Author: AA

Data Sources: Esri, CGIAR, USGS, Maxar



**Legend**

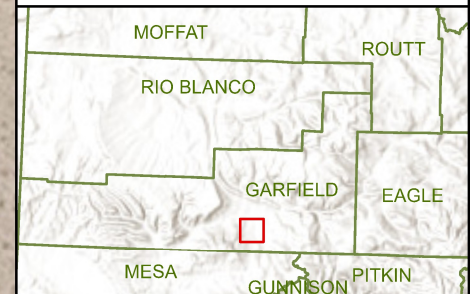
- Soil Sample Location
- - - Excavation Base (4/20/2026)
- - - Outermost Excavation Extent (4/20/2026)
- Soil Stockpile
- County Boundary



**QB Energy Operating, LLC**

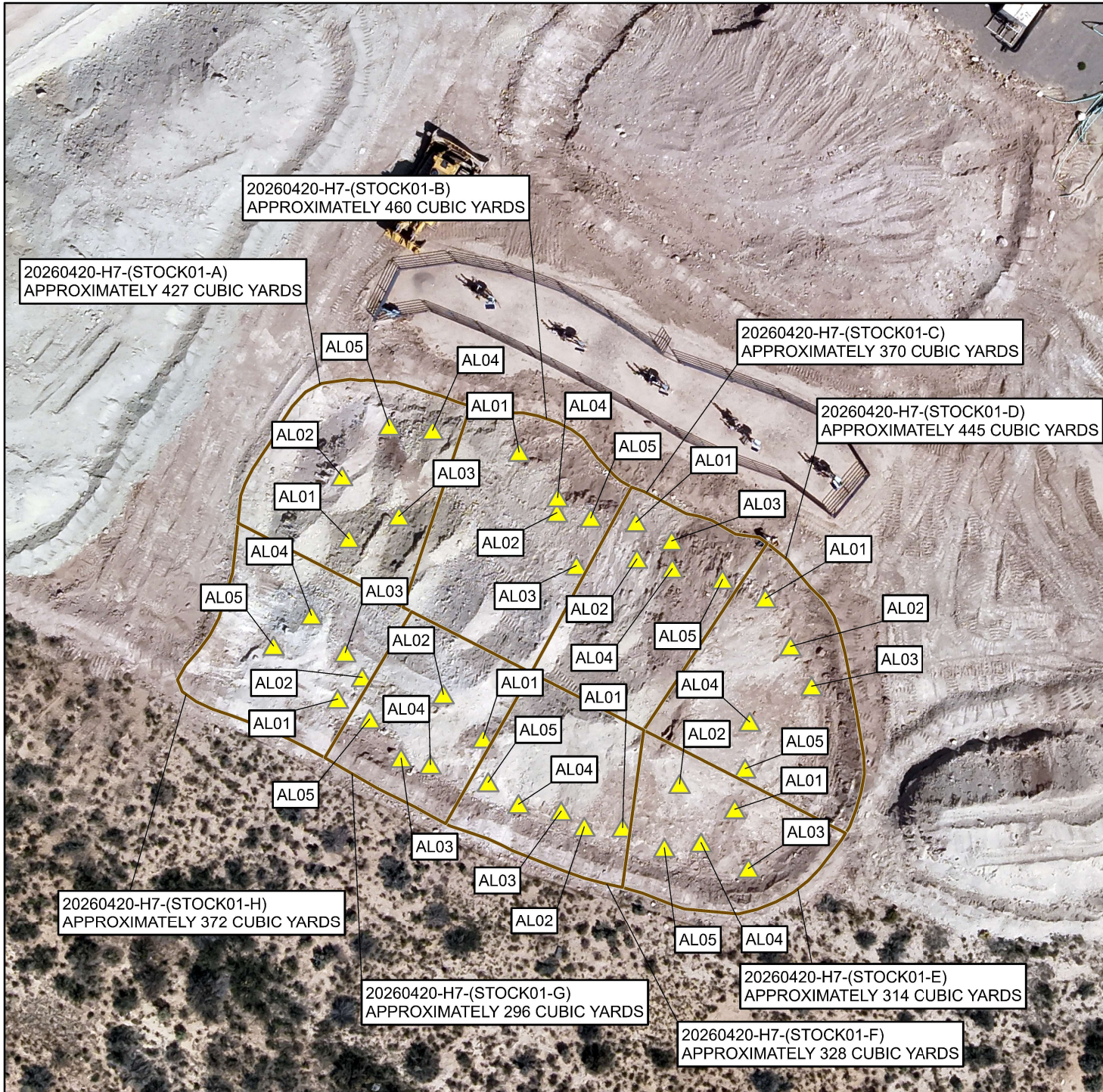
**Figure 2. H7  
Excavation Sample Location Map**




39.462990, -107.702400  
SENE, Sec. 7, T7S, R92W, 6PM  
Garfield County, CO



Date: 4/23/2026 Author: AA

Data Sources: Esri, USGS  
Drone Imagery: Quandary Consultants (4/20/2026)



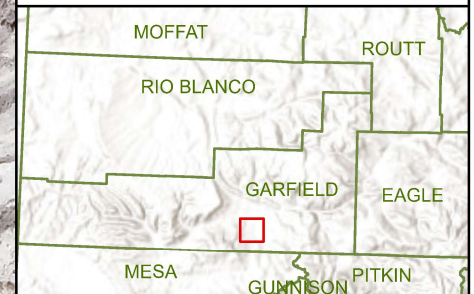
- Legend**
-  Soil Aliquot Location
  -  Soil Stockpile
  -  County Boundary



**QB Energy Operating, LLC**

**Figure 3. H7  
Stockpile Sample Location Map**

39.462990, -107.702400  
SENE, Sec. 7, T7S, R92W, 6PM  
Garfield County, CO



Date: 4/23/2026 Author: AA  
Data Sources: Esri, USGS  
Drone Imagery: Quandary Consultants (4/20/2026)

## TABLES

				Analyte		915-1 RESIDENTIAL SOIL		TOTAL TPH	GRO	DRO	ORO	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	Acenaphthene	Anthracene	Benz(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyre	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Pyrene				
				500	500	500	500	1.2	490	5.8	58	30	27	360	1800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180			180					
Sample Name				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
20260415-H7-(EW01)@30	Excavation	04/15/2026	9917	< 200.223	< 0.223	< 100	< 100																													
20260416-H7-(BASE01)@30	Excavation	04/16/2026	9917	203.82	3.82	< 100	< 100																													
20260416-H7-(NW01)@30	Excavation	04/16/2026	9917	201.81	1.81	< 100	< 100																													
20260416-H7-(SW01)@30	Excavation	04/16/2026	9917	200.48	0.48	< 100	< 100																													
20260416-H7-(WW01)@30	Excavation	04/16/2026	9917	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-A)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-B)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-C)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-D)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-E)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-F)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-G)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													
20260420-H7-(STOCK01-H)	Stockpile	04/20/2026	9931	< 200.223	< 0.223	< 100	< 100																													

Notes:  
 Bold with silver highlight: Exceeds RSSLs  
 "<" (as in, less than laboratory reporting detection limit)