



August 25, 2021

Taproot Energy Partners  
555 17<sup>th</sup> Street, Suite 800  
Denver, CO 80202

**ATTENTION: Dave Brazeal**

RE: Taproot – Produced Water Release, Hale Site, Briggsdale, CO

On August 19, 2021, Environmental Works, Inc. (EWI) received a call from Taproot stating that emergency response services were needed due to a produced water release located in Briggsdale, CO near Bison's Hale production site. The following information was provided at the time of the request:

- Unknown quantity of produced water released from failed underground pipeline.

EWI was directed to arrive at the site at 0700 MST to assist with the response. EWI dispatched a Project Manager with a response vehicle to the site. The following is the timeline of events associated with our response:

**August 19, 2021**

**0500-0700 hrs:** Project Manager mobilized to site, conducted site hazard assessment.

**0700-0900 hrs:** HydroVac unit observed onsite to recover free liquids. The impacted area was approximately 100' in length by 50' wide.

**0900-1630 hrs:** Primary area of impact was excavated. The excavation was approximately 70' in length by 15' wide and 5.5' deep. Impacted material was transferred to Pawnee Landfill for disposal. Secondary excavation was accomplished by using a surface scraper (road grater) to remove impacted soil in an area approximately 30' by 40' and 3-6" in depth.

**1630-1930 hrs:** Site sampling plan was reviewed. Mobilize to Denver, CO.

**August 20, 2021**

**0500-0700 hrs:** Project Manager mobilized to site, conducted site hazard assessment.

**0700-1200 hrs:** Additional impacted soil excavated utilizing HydroVac and excavator. Impacted material was transferred to Pawnee Landfill for disposal. Nine soil samples were collected from the primary excavation. Eight samples were collected from the sidewall (SW 1 – 8) and one sample was collected from the floor of the excavation (FS 1).

**Waste:**

All waste was hauled to Pawnee Landfill for disposal. Volumes of total waste disposed will be reported when the final total is provided from the waste facility.

**Reporting:**

Photo documentation and a site map has been attached to this report to assist your submission of the Supplemental Form 19. Analytical results of the soil samples taken of the area impacted by the release will be provided upon receipt from the laboratory. EWI Project Manager Adam Kubat will be the point of contact for Taproot regarding the analytical results. Contact information for Mr. Kubat has been provided below:

Adam Kubat  
507-475-2825  
akubat@environmentalworks.com

Environmental Works appreciates the opportunity to be of service. Should there be any additional questions, please contact Adam Kubat at (507) 475-2825.

Best Regards,

Cameron Ezell  
Emergency Response Project Manager  
Environmental Works, Inc.

# Taproot Rockies Midstream

8.19.21 Produced Water Release  
Weld County, CO  
Hale Site

## Legend

● Soil Sampling Location

Produced Water Pipeline

Primary Excavation

Surface scrape excavation

Approximately 3-6" deep

Approximately 5 – 5 ½' deep

Google Earth

100 ft

N



Briggsdale, CO Taproot – Hale site – Produced Water Release

**Photo: 1**

**Description:**

Initial site conditions.



**Photo: 2**

**Description:**

Initial site conditions.





Briggsdale, CO Taproot – Hale site – Produced Water Release

**Photo: 3**

**Description:**

Hydro Excavation.  
Daylighting pipeline.



**Photo: 4**

**Description:**

Hydro Excavation.



Briggsdale, CO Taproot – Hale site – Produced Water Release

**Photo: 5**

**Description:**

Loading impacted soil.

