



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

**ATTENTION: Dave Brazeal**

**RE: Taproot – Produced Water Release at Pintail Lateral**

On October 18, 2022, Environmental Works, Inc. (EWI) received a request from Taproot for emergency response services for a produced water release at the Pintail Lateral pad production site, located near Keota, CO.

Upon receipt of the emergency response request, EWI coordinated with team members to mobilize to the site. 2 Project Managers were dispatched to the project site. The following is the timeline of events that occurred during the emergency response.

**0800-0830 hrs:**

EWI arrives onsite and meets with Taproot personnel. An estimated 500 yards of soil is observed to be impacted by produced water released from a failed underground pipeline. Surveyors from Avery Resources survey the maximum extents identified by Environmental Works scientists.

**0830-0930 hrs:**

US Hydro arrives onsite and begins working in the primary excavation area to find the failed pipeline.

**0930-1000 hrs:**

The failure in the underground pipeline is daylighted by the hydro excavator. WHC arrives onsite with equipment to begin the surface scragging.

**1000-1500 hrs:**

US Hydro continues the work in the primary excavation area while WHC continues working in the secondary excavation area. The Hydro Excavator transports its waste to Pawnee Waste. Impacted soil from surface scragging is stalk piled for disposal at a later date.

**1500-1530 hrs:**

EWI works with Taproot personnel to acquire a site plan for the following days. Site is secured and all personnel are offsite.

**Excavation**

Further excavation of the impacted areas took place on October 19 and October 20. The primary excavation trench was approximately 98 linear feet with a maximum depth of 8 feet and a trench floor of approximately 250 square feet. The secondary excavation area was approximately 13,500 square feet with 6-14 inches of impacted soil removed. 5 surface samples, 1 background sample, 5 sidewall samples and 2 floor samples were taken after excavation of the impacted areas were complete. These samples are shown on Figure 1A and Figure 1B and are pending analysis with Origins Labs in Wheat Ridge, CO.



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**Waste**

All waste from the primary excavation area was transported to Pawnee Waste, LLC for disposal. A total of 243.28 Barrels of liquid waste was disposed of. Waste from the surface scrapping was stalk piled while analytical results from sampling are pending. Waste documentation is attached herein.

**Reporting**

Attached to this report is a site map and photolog to assist with the submission of the Supplemental Form 19 due within 10 days of the release. Analytical results for the soil samples stated above will be addressed upon arrival. Adam Kubat will be assisting Taproot regarding analytical results. Adam's contact information is listed below:

Adam Kubat  
507-475-2825  
[akubat@environmentalworks.com](mailto:akubat@environmentalworks.com)

EWI appreciates the opportunity to provide these services. Should there be any additional questions, please contact Kyle Resseguie at (785) 979-4043.

Sincerely,  
Kyle Resseguie  
Project Manager  
Environmental Works, Inc.