



Hill 9-31

Pipeline Leak

API# 05-103-08021

Pipeline Leak (Off-Location)

Facility ID# 230359

Estimated 1-2bbls

Introduction

The pipeline leak was reported by the landowner at 886 County Road 101 at approximately 9:30am on 7/6/2024. The leak consisted of produced water/oil mixture, and daylighted from the subsurface. UGC field personnel responded to the spill and contacted local hydrovac company Badger Daylighting, to remove the spill from the surface. The producing well associated with this leak is the Hill 9-31 (API# 05-103-08021 Facility ID# 230359), which was shut-in immediately following leak notification from the landowner. The leak occurred on the gathering line between the well head and associated tank facility at approximately LAT/LONG: 40.096434/-108.772215. Approximately 1-2 barrels of fluid (oil/produced water) daylighted from the subsurface.

Background

The soil type in the affected area can be classified as silty clay loam with restrictive features greater than 80 inches. There are four water wells within a 0.50 mile radius of the release, groundwater is found between 10-15 foot in these surrounding water wells. Groundwater at the location of the release is anticipated to be within 10 feet of the surface. The release is located within 650ft of the White River, and is within high priority habitat. The affected pipeline is approximately 5ft 7in below the ground surface.

Spill/Release Photos

The following photos were taken at 9:45am on 7/6/2024 by the UGC personnel that responded to the spill/release.













Location of the spill/release in comparison to the White River.

Update 7/9/2024

On 7/8/2024, UGC personnel arrive at the location of the pipeline leak with Badger Daylighting to further excavate the impacted area. Badger Daylighting (hydrovac) was used to carefully excavate the affected pipeline, as other lines were in the area. Once the affected line was opened, UGC utilized a backhoe to trench the line to find the hole in the pipeline. The hole was found in the east side of the pipe in the three o'clock orientation. The hole in the pipeline is about the size of a pen tip. During site excavation, dense clay was found at approximately 4-7ft depth. The excavation was opened to a total of 17ft in the north/south direction, 10ft in the east-west direction, and to a depth of 7ft. All material removed from the excavation and stockpiled nearby. The impacted section of pipeline was cut and removed, and a new segment of pipeline was welded into place.

5 soil samples were collected from the excavation walls (north, south, east, west, and bottom). No background samples were collected, as UGC has two other remediation projects within a 0.50mile radius. UGC is requesting the consideration of the nearby background samples for this project. No groundwater was encountered during site excavation, if groundwater is encountered, it will be sampled as part of this remediation project.

The excavation was fenced off and left open while UGC awaits soil sample results to determine if further excavation and delineation is required.

Photos From 7/8/2024













Hill 9-31 Pipeline Leak Diagram API# 05-103-08021	
Area: Rangely	
Legal: NESW 31 2N101W 6	
7/9/2024	Drawn By: Dana Pollack
Revision Date: NA	Scale: Not Applicable



Update 7/31/2024

Utah Gas Corp has received the initial soil sample results from the Hill 9-31 pipeline failure. Samples were collected from the points illustrated in the above diagram. The samples were returned with overages in TPH at the S1 and W1 locations. Overages in SAR and EC were also reported in varying locations. Utah Gas Corp is scheduling to excavate further and pull additional samples from the affected walls. All excavated material will be hauled to an offsite disposal facility. Once the site tests within ECMC 900 regulations, UGC will back-fill the area with clean fill dirt.

During initial site investigation, no background soil samples were collected as Utah Gas Corp has two other recent remediations within a 0.60-mile radius of the spill/release. UGC is requesting consideration of these adjacent background samples but will also collect additional background samples during the next round of sampling and excavation.

