

Site/Project Location: Denbury 12" Cedar Hills CO2 Pipeline

Date of Inspection: 4 August 2021

Keitu staff visited the Denbury 12" Cedar Hills CO2 Pipeline project for a construction inspection. Inspection of construction sites focused on (1) confirming surface disturbance/work occurring within ND PSC-approved work corridor and/or route; (2) topsoil segregation occurring; (3) vegetation removal consistent with tree & scrub mitigation plan; and (4) storm water runoff and sediment control.

Observed Work / Weather Conditions

Visit occurred between 11:00 a.m. to 4:00 p.m. The weather was mostly sunny, temperature at 85-90°F, winds at 10-15 mph out of the west and no precipitation.

The 12" pipeline project has been underway since July of 2021. At the time of the inspection, construction activities consisted of completing the HDD bore under Little Beaver Creek. Topsoil clearing activities for both ends of the HDD bore were completed in July of 2021 and no additional areas where topsoil was removed were noted during the construction inspection.

Boring activities were completed without issue. Basins of water used by the boring machine were segregated on both ends of the bore were segregated with earthen dams of subsoil. These basins were to be pumped out and removed from the construction site upon completion of the boring activities. Photo GPS points were taken during the inspection as a location reference for the east and west ends of the HDD bore.

Top Soil Management / Condition / Erosion Control / Stormwater Management

During the inspection, stripped topsoil was segregated in berms on the outside of the areas cleared for boring activities. Some subsoil was removed to be used for earthen dams holding used water from boring activities to be pumped out after boring activities were completed. The topsoil piles were properly segregated from any removed subsoil. Erosion control and stormwater management BMPs were in good condition and working effectively.

Vegetation Condition

No trees or shrub were removed at the time of the inspection.

Deficiencies

No deficiencies were noted during the construction inspection.

Actions Taken/To Be Taken

Stringing and burying of pipe will take place later in the summer or early fall of 2021. Reclamation and revegetation seeding will likely be completed in the spring of 2022 after the ground thaws. Topsoil piles will be used for revegetation of areas not used for access roads or other permanent infrastructure.

Keitu Inspector: ZAP

Inspection Report Submitted: 18 August 2021

82 PU-19-294 Filed 08/18/2021 Pages: 5
Construction inspection report
Keitu Engineers & Consultants, Inc.

Report Photo #1 "Boring Machine Boring HDD Pipe under Little Beaver Creek"



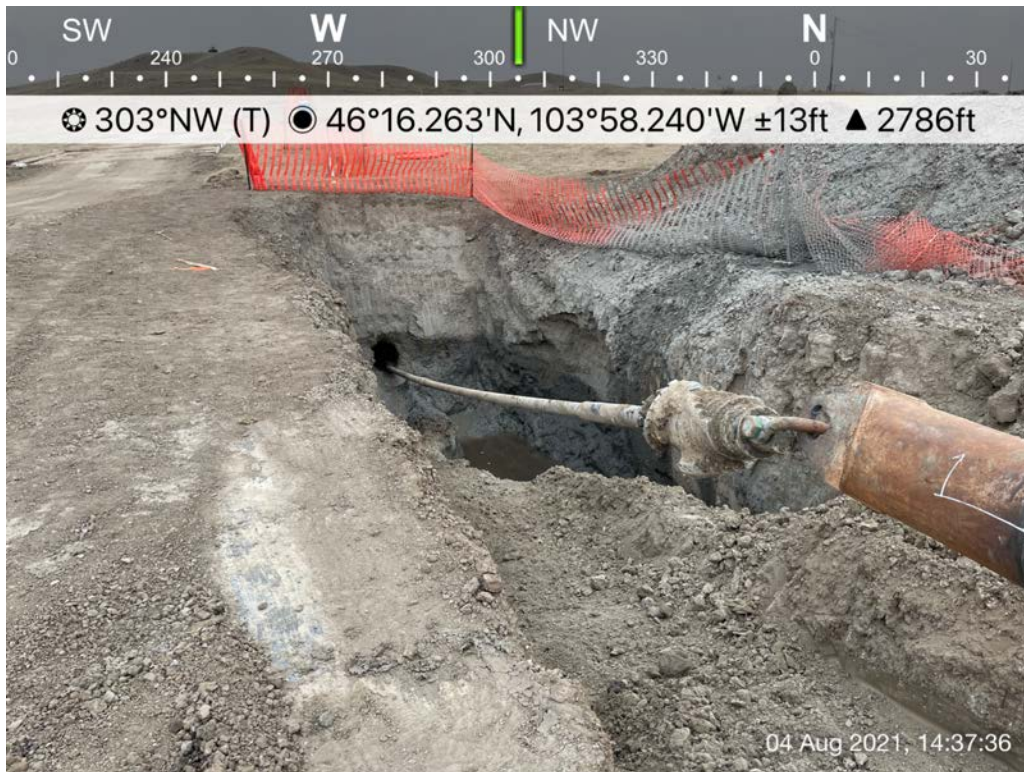
Report Photo #2 "Machinery Set Up for HDD Bore under Little Beaver Creek"



Report Photo #3 "Pipe Prepped on Rollers to be pulled through Bore"



Report Photo #4 "Pipe Connected and Being Pulled Through Little Beaver Creek Bore"



Report Photo #5 "West Side Used Water Basin"



Report Photo #4 "East Side Used Water Basin"



Site Location Map

