Class VI UIC Pre-Operational Testing

This submission is for:

Project ID: R06-LA-0005

Project Name: Authentic Reductions\CCS1-Wilcox

Current Project Phase: Pre-Injection Prior to Construction

Proposed Pre-Operational Testing: https://gsdt.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R06-LA-0005/Phase1-PreConstruction/PreOpTest-06-24-2022-1933/Pre--Operational--Testing--Plan--Final--CPS.pdf

Proposed Pre-Operational Testing Schedule: https://gsdt.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R06-LA-0005/Phase1-PreConstruction/PreOpTest-06-24-2022-1933/1--Pre--Operational--Testing--Schedule.pdf

State Pre-Operational Test Results: https://gsdt.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R06-LA-0005/Phase1-PreConstruction/PreOpTest-06-24-2022-1933/State--Pre--Operational--Test--Results.pdf

Well and Cement Logs

1. Number of Wells Tested: 1

Well #1

Well Location: -999 Latitude -999 Longitude Well Name: -999

Select Well and Cement Logs and Tests Conducted Under the Pre-Operational Testing Program:

During Drilling: Deviation Checks

Before Installation of Surface Casing: Resistivity Spontaneous Potential Caliper

After Installation of Surface Casing: Cement Bond Variable Density Log Temperature Log

Before Installation of Long String Casing: Resistivity Spontaneous Potential Porosity Caliper Gamma Ray Fracture Finder Logs

After Installation of Long String Casing: Cement Bond Variable Density Log Temperature Log

MITs

1. Number of Wells Tested: 1

Well #1

Well Location: -999 Latitude -999 Longitude Well Name: -999

Select the Test(s) Conducted to Demonstrate Internal and External Mechanical Integrity: Pressure Test with Liquid or Gas Temperature Log Noise Log Casing Inspection Log

Core Analyses

1. Number of Cores Tested: 1

Core #1

Whole Core Core ID: -999

Core Location: -999 Latitude -999 Longitude Well Name: -999

Elevations Specified By: Entered Values

Elevations: Core Top: -999 ft Core Bottom: -999 ft Elevations Relative To: -999

Formations Captured in Core: -999

Select All Properties/Tests Included in Uploaded Reports:

Total Porosity Diffuse Porosity Horizontal Permeability Vertical Permeability Fluid Saturation Residual Aqueous Saturation Residual Gas Saturation Relative Gas Permeability Relative Aqueous Permeability

Bulk Compressibility Pore Compressibility Lithology Rock/Soil Types Rock Strength Ductility Elastic Properties (e.g. Young's Modulus, Poisson's Ratio)

Formation Characterization

1a. Number of Geologic Formations (or Distinct Units/Zones) within the Injection Zone: 1

Injection Formation #1

Formation/Zone Name: -999

Select Properties Measured: Fluid Temperature pH Conductivity Reservoir Pressure Static Fluid Level Fracture Pressure

1b. Number of Geologic Formations (or Distinct Units/Zones) within the Confining Zone: 0

Injection Well Testing

1. Number of Wells Tested: 1

Well #1

Well Location: -999 Latitude -999 Longitude Well Name: -999

Select Injection Well Tests Conducted: Pressure Fall-Off Test Pump Test Injectivity Test

Complete Submission

Authorized submission made by: Krishnan Raghunathan

For confirmation a read-only copy of your submission will be emailed to: kraghunathan@AR-CO2.com