

DATA SUBMITTED TO EDX

Plains CO₂ Reduction (PCOR) Partnership Phase III Task 13 – Milestone M60

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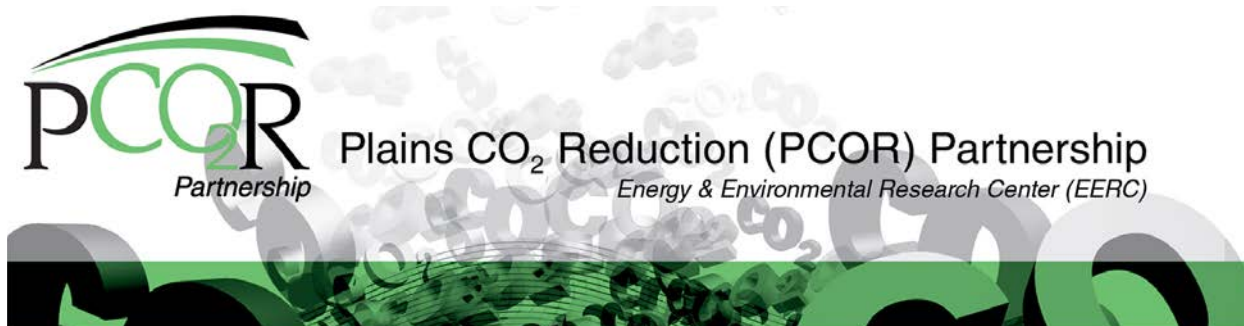
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Submission of Plains CO₂ Reduction (PCOR) Partnership Phase III data to the U.S. Department of Energy (DOE) National Energy Technology Laboratory (NETL) Energy Data eXchange (EDX) was completed on September 28, 2018. Prior to EDX upload, PCOR Partnership Phase III data for Bell Creek, Fort Nelson, and Zama projects were reviewed, and current versions of relevant, nonconfidential or commercially sensitive data were selected. Data were uploaded to the PCOR Partnership Master Workspace, a private collaborative EDX workspace data repository established between the Energy & Environmental Research Center and DOE.

Four successive uploads to EDX were made, consisting of the following data sets:

- First upload:
 - Bell Creek data
 - Injection and production totals, obtained from the Montana Board of Oil and Gas database since injection activities commenced (May 2013 – June 2018)
 - Bell Creek CO₂ storage reports – July 2015 – July 2018
 - Images showing interpreted differences between 2012 and 2014 3-D seismic surveys
 - 3-D vertical seismic profile survey interpretations
 - Bibliography on publicly available Bell Creek seismic publications and reports
 - M64: Initial Analyses of Expanded Seismic Campaign Data Completed
- Second upload:
 - Bell Creek geographic information system (GIS) data
 - Two geodatabases containing the lidar survey collected July 14, 2011
 - Phase boundaries of the Bell Creek Field
 - Well locations based on 2011 lidar survey
 - Near-surface monitoring locations for sampled soil gas and waters (e.g., surface water, livestock well, domestic well, etc.)
 - Geophysics-related GIS support data
 - Raster layers for root mean square (RMS) amplitude between horizons Springen Ranch and the Skull Creek (Muddy Formation)
 - Rasters for 3-D seismic surveys: baseline in 2012, repeat monitor in 2014 and 2015

- Third upload:
 - Basal Cambrian data
 - The following deliverables and supporting GIS files for: D89: Geochemical Evaluation of the Basal Cambrian System
 - D90: Wellbore Evaluation of the Basal Cambrian System
 - D91: Geological Characterization of the Basal Cambrian System
 - D92: Storage Capacity and Regional Implications for Large-Scale Storage in the Basal Cambrian System
- Fourth (final) upload:
 - D86: Updated Regional Technology Implementation Plan for Zama
 - D100: Fort Nelson Carbon Capture and Storage Feasibility Study – A Best Practices Manual for Storage in a Deep Carbonate Saline Formation
 - Analysis data sets for core collected from the following Bell Creek Field wells:
 - 05-06 OW (observation well)
 - 04-03 OW
 - 33-14R
 - 56-14R
 - Bibliography on publically available products (presentations, abstracts, conference papers, reports, and fact sheets) for Bell Creek as of August 2018