



**Plains CO₂ Reduction (PCOR) Partnership Monthly Update
April 1–30, 2018**

PHASE III ACTIVITIES

Task 1 – Regional Characterization (Wesley D. Peck)

This task ended in Quarter 1 – Budget Period (BP) 5, Year 11 (March 2018).

Task 2 – Public Outreach and Education (Daniel J. Daly)

Highlights

- Continued postproduction work on Documentary D22 (*Coal: Engine of Change*), including the following:
 - Received updated video clips from Prairie Public Broadcasting (PPB).
 - Completed review of DVD print materials and sent to RelyMedia to begin DVD production.
- Participated in the monthly Outreach Working Group conference call on April 19, 2018.

Task 3 – Permitting and NEPA (National Environmental Policy Act) Compliance (Charles D. Gorecki)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 4 – Site Characterization and Modeling (Charles D. Gorecki)

This task ended in Quarter 1 –BP5, Year 10 (March 2017).

Task 5 – Well Drilling and Completion (John A. Hamling)

This task ended in Quarter 3 – BP4, Year 7 (June 2014).

Task 6 – Infrastructure Development (Melanie D. Jensen)

This task ended in Quarter 1 –BP5, Year 11 (March 2018).

Task 7 – CO₂ Procurement (John A. Harju)

This task ended in Quarter 4 – BP4, Year 6 (September 2013).

Task 8 – Transportation and Injection Operations (Melanie D. Jensen)

This task ended in Quarter 4 – BP4, Year 8 (September 2015).

Task 9 – Operational Monitoring and Modeling (John A. Hamling and Larry J. Pekot)

This task ended in Quarter 1 –BP5, Year 11 (March 2018).

Task 10 – Site Closure (John A. Hamling)

Highlights

- Traveled to the Bell Creek Field April 4–6, 2018, to download permanent downhole monitor (PDM) data from 05-06 OW (observation well). Trained and handed off maintenance of the 05-06 OW PDM system to Denbury Onshore (Denbury), the site operator.
- Converted the data collected in early April 2018 from the 05-06 OW PDM system. The Energy & Environmental Research Center (EERC) will continue to have access to PDM data through request to Denbury.

Task 11 – Postinjection Monitoring and Modeling (John A. Hamling and Larry J. Pekot)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 12 – Project Assessment (Loreal V. Heebink)

This task ended in Quarter 1 –BP5, Year 11 (March 2018).

Task 13 – Project Management (Charles D. Gorecki)

Highlights

- PCOR Partnership representatives attended the Aquistore Modeling Workshop held April 5, 2018, in Regina, Saskatchewan.
- Hosted the PCOR Partnership Technical Advisory Board (TAB) annual meeting April 10–11, 2018, in Miami, Florida. Seven of the nine TAB members were in attendance. Topics discussed included the current status and final reporting of the PCOR Partnership, carbon capture, utilization, and storage (CCUS) economic and regulatory developments, and ongoing and upcoming projects in the PCOR Partnership region.
- Presented “Results from CSLF-Recognized Projects: Fort Nelson Project and Zama Project” at the Carbon Sequestration Leadership Forum (CSLF) Technical Group Meeting held April 22–23, 2018, in Venice, Italy.
- Presented “The Plains CO₂ Reduction (PCOR) Partnership: Fostering the Deployment of CCUS Technologies” at the United States Energy Association Public Briefing held April 26, 2018, in Washington, D.C.
- Submitted a value-added report entitled “Status of CO₂ Capture Technology Development and Application” on April 13, 2018, for review (from Task 6 activities).
- Submitted a value-added report entitled “PCOR Partnership 2017 Annual Membership Meeting: Workshop and Outcomes” on April 17, 2018, for review and received approval April 18, 2018.

- Completed a manuscript describing the molecular weight changes in produced crude oil during CO₂ EOR at the Bell Creek reservoir, obtained approval from Denbury to submit the manuscript to a peer-reviewed journal, and submitted the manuscript to *Energy and Fuels* (from Task 9 activities).
- Continued editing papers submitted for a planned special issue of *International Journal of Greenhouse Gas Control*. Invited peer reviewers. Edited submitted papers.
- Continued revisions and internal reviews of draft GHGT-14 papers.
- Continued planning and work on D62 – Final Report.
- Worked on a poster for presentation at GeoConvention 2018 to be held May 7–11, 2018, in Calgary, Alberta, Canada.
- Continued planning for the 2018 PCOR Partnership Annual Membership Meeting, including continuing to evaluate potential meeting venues. Began drafting a “Save the Date” Web site page and e-mail blast for September 18–19, 2018, in Washington, D.C.
- Held a task leader meeting April 24, 2018. The focus of discussion was activities leading to the closeout of PCOR Partnership Phase III, including deliverables, journal articles, conference papers, best practice manuals, site closure, data management and transfer, and the 2018 PCOR Partnership Annual Membership Meeting. The 2018 annual TAB meeting was also discussed.
- Completed reporting in April:
 - March monthly update
 - Task 13: D58/59 – Quarterly Progress Report/Milestone Quarterly Report

Task 14 – Regional Carbon Sequestration Partnerships (RCSP) WWG (Water Working Group) Coordination (Ryan J. Klapperich)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 15 – Further Characterization of the Zama Acid Gas EOR (Enhanced Oil Recovery), CO₂ Storage, and Monitoring Project (Charles D. Gorecki)

This task ended in Quarter 2 – BP4, Year 7 (February 2014).

Task 16 – Characterization of the Basal Cambrian System (Wesley D. Peck)

This task ended in Quarter 2 – BP4, Year 7 (March 2014).

Travel/Meetings

- April 4–6, 2018: traveled to Regina, Saskatchewan, Canada, to attend the Aquistore Modeling Workshop.
- April 4–6, 2018: traveled to Gillette, Wyoming, to download data from 05-06 OW and to train Denbury personnel.
- April 9–12, 2018: traveled to Miami, Florida, to host the PCOR Partnership TAB Meeting.
- April 20–25, 2018: traveled to Venice, Italy, to present at the CSLF Technical Group Meeting.

- April 25–26, 2018: traveled to Washington, D.C., to present at a public briefing at the U.S. Energy Association.

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ACKNOWLEDGMENT

This material is based upon work supported by DOE NETL under Award No. DE-FC26-05NT42592.

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