Testing Storage Permanence Frio Brine Pilot—Texas, USA



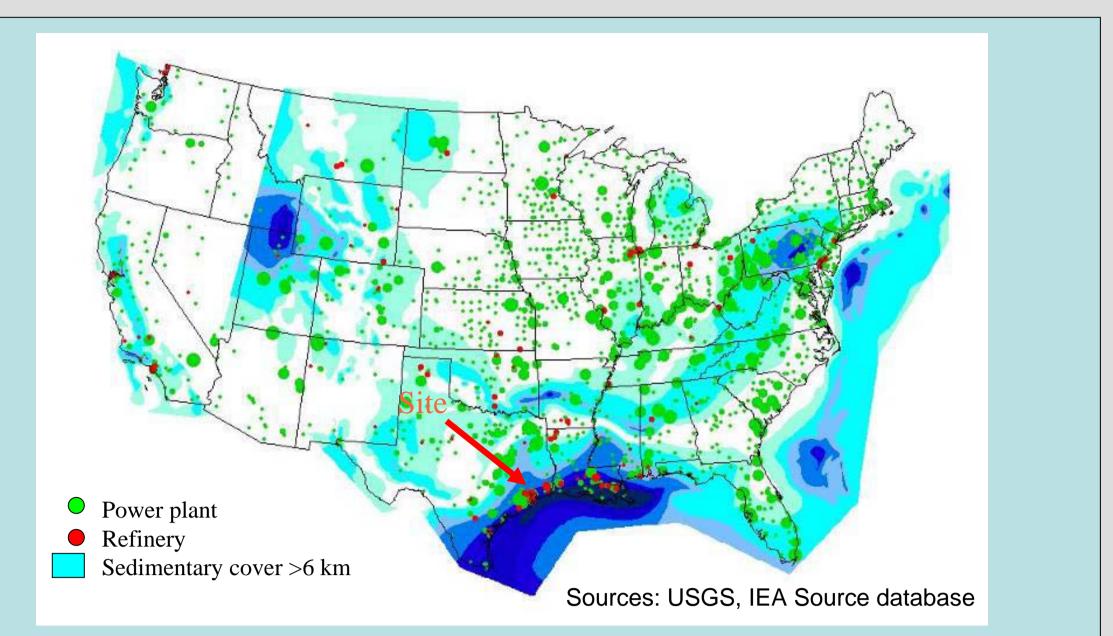


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Frio Research Team

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Project Goals



Testing a high-permeability, high-volume sandstone representative of a broad area that is an ultimate target for large-volume sequestration,

Frio 1 October 2004–January 2006

Gulf

Coast

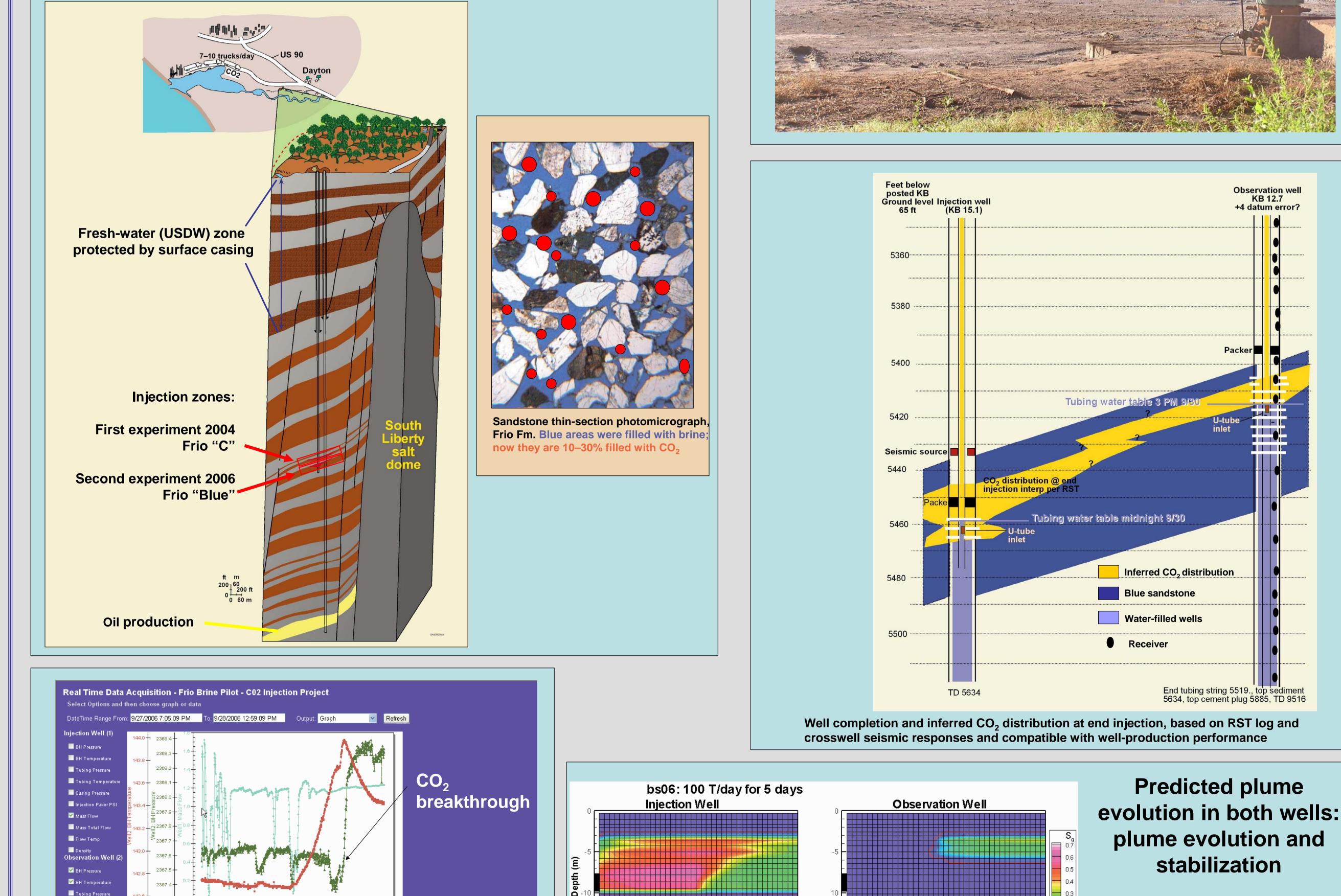
Carbon

Center

(1) High-quality characterization prior to injection (2) Numerical modeling integrated with all phases of the project (3) Cross-comparison of multiple types of measurements (4) Use of wireline logs for monitoring plume movement (5) Data collection focused on selected azimuths (6) Above-zone monitoring for leakage

Frio 2 September 2006–December 2007

Storage permanence—quantifying residual saturation and dissolution Postinjection monitoring under stable conditions Novel tool—tubing-conveyed seismic array



Gulf of Mexico sedimentary wedge



