

## Oil Industry Extracts Already Sequestered CO<sub>2</sub>

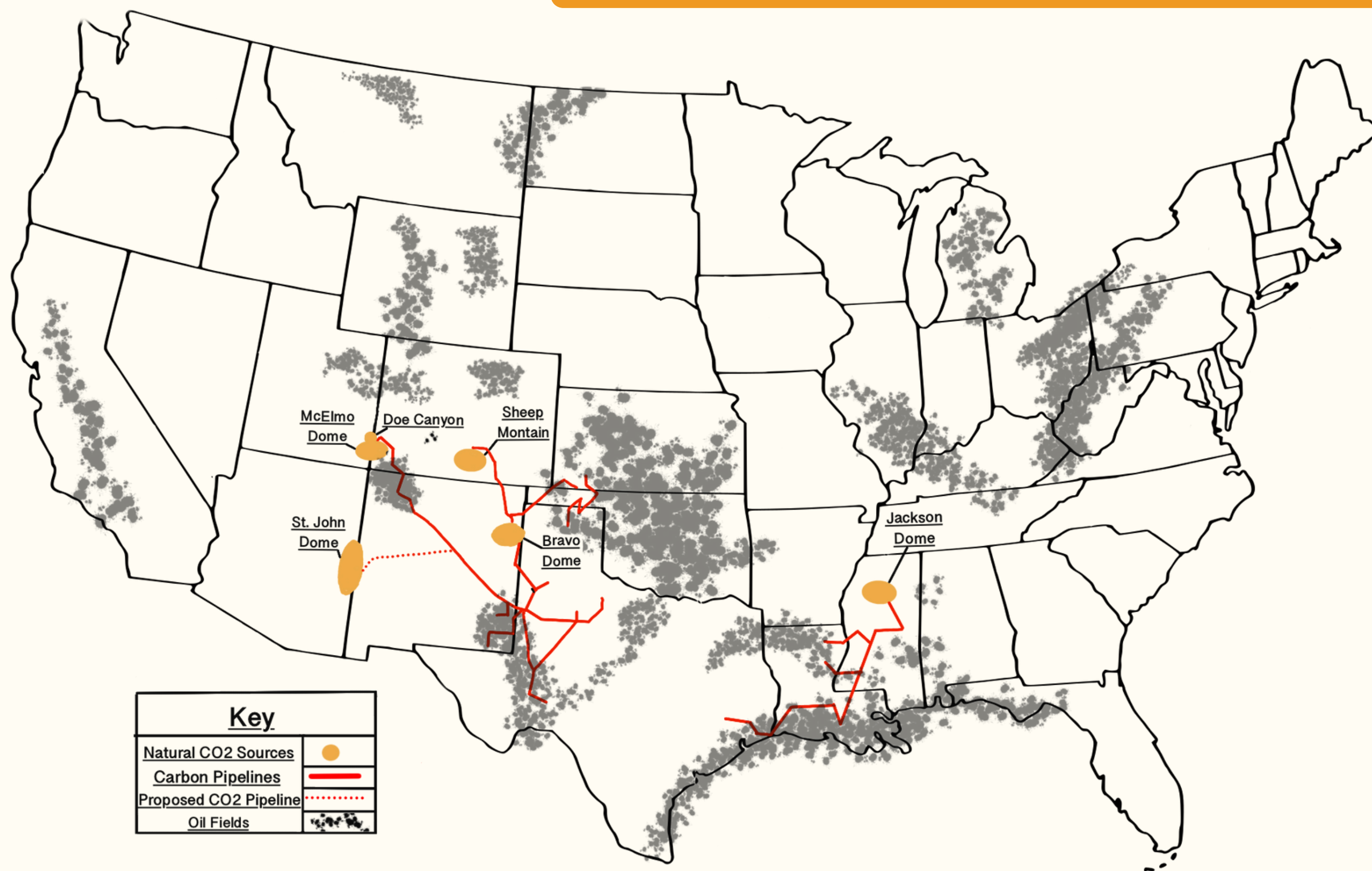
At a time when we should be keeping CO<sub>2</sub> in the ground – the Fossil Fuel industry is unearthing it.

As of 2019, carbon dioxide from natural reservoirs was the source of over 80% of the CO<sub>2</sub> for CO<sub>2</sub> Enhanced Oil Recovery (EOR) in the United States.<sup>1</sup>

With natural reservoir supplies approaching depletion – the fossil fuel industry is looking for new sources of CO<sub>2</sub>. “Multiple studies have also called into question the climate benefits of CO<sub>2</sub> EOR production even with anthropogenic carbon, pointing to the process as a net-positive greenhouse gas emitting process.”<sup>2</sup>

# EOR Industrial Extraction of CO<sub>2</sub> by Big Oil

INDUSTRIAL OIL PRODUCERS ARE DEMANDING MORE CO<sub>2</sub> EXTRACTION AND ARE RELEASING BILLIONS OF TONS OF CO<sub>2</sub> FROM SEQUESTRATION



## CARBON PIPELINE NETWORKS DELIVER THE CO<sub>2</sub> FROM THE NATURAL RESERVOIRS TO THE OIL FIELDS

- Pipelines are seen as critical for moving CO<sub>2</sub> from where it is created to the oil wells<sup>3</sup>
- Over 10 TCF (Trillion Cubic Feet) of CO<sub>2</sub> from natural sources is extracted in the US per year<sup>4</sup>
- An estimated 76 TCF of natural CO<sub>2</sub> has been discovered and is available for extraction<sup>5</sup>
- This leaves approximately 7 more years of natural CO<sub>2</sub> supply in the ground<sup>6</sup>

### Active CO<sub>2</sub> Extraction Sites Used for Enhanced Oil Recovery

Five discovered CO<sub>2</sub> Reservoirs being depleted:<sup>7</sup>

- Jackson Dome (Mississippi)
- Bravo Dome. (New Mexico)
- McElmo Dome (Colorado and Utah)
- Doe Canyon (Colorado)
- Sheep Mountain (Colorado)

One discovered site with a proposed pipeline:<sup>8</sup>

- St. John Dome

### New Sources of CO<sub>2</sub> Needed for Continued Oil Production

Perpetual enhanced oil recovery poses a serious threat to the climate. “The lion’s share of the CO<sub>2</sub> captured from industrial processes doesn’t go back into the ground. Instead, 60 percent of it is used to extract more oil.”<sup>9</sup>

By leaving new sources of CO<sub>2</sub> untapped, we can leave billions of barrels of oil in the ground and avoid a dire threat to our planet and our survival.<sup>10</sup>

## References

1-7. GEM.wiki. (2021). Natural CO2 Source Fields. Retrieved from [https://www.gem.wiki/Natural CO2 Source Fields](https://www.gem.wiki/Natural_CO2_Source_Fields)"

8. GEM.wiki. (2021). St. John's Dome. Retrieved from [https://www.gem.wiki/St. John%27s Dome](https://www.gem.wiki/St._John%27s_Dome)

9. Romm, J. (2023, October 25). As oil prices rise, so do hopes for a controversial method of carbon capture. The Washington Post. <https://www.washingtonpost.com/climate-environment/2023/10/25/enhanced-oil-recovery-carbon-capture/>

10. U.S. Department of Energy, National Energy Technology Laboratory. (2010). CO2 Enhanced Oil Recovery (EOR) Primer. Retrieved from [https://www.netl.doe.gov/sites/default/files/netl-file/co2\\_eor\\_primer.pdf](https://www.netl.doe.gov/sites/default/files/netl-file/co2_eor_primer.pdf)