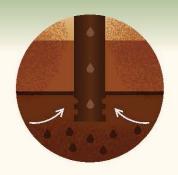
CO₂ ENHANCED OIL RECOVERY:

GREENER OIL

As global energy demand continues to increase, energy producers aim to produce more and "greener" oil—that is, oil with a reduced carbon footprint—through a process called CO_2 enhanced oil recovery (EOR).

PRODUCING OIL FROM RESERVOIRS

Stages of oil production



PRIMARY RECOVERY

Natural pressure of the reservoir pushes some of the oil to producing wells where pumps bring the oil to the surface.

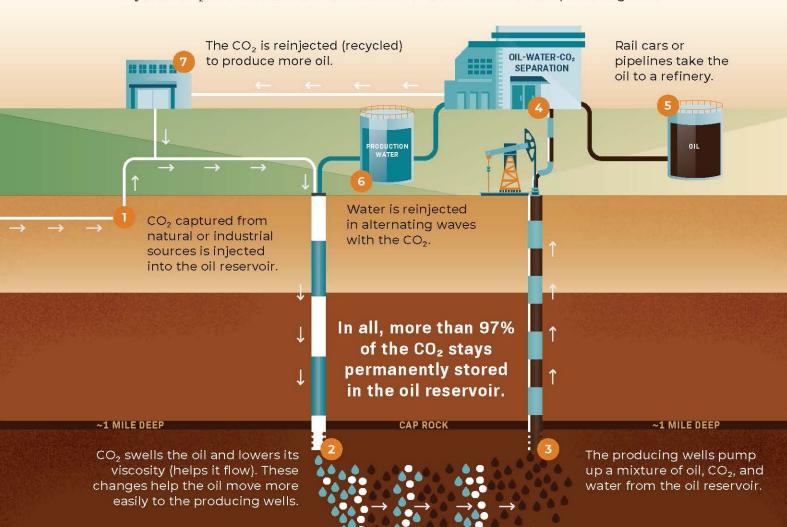


SECONDARY RECOVERY (WATER FLOODING)

Water injected into the reservoir increases pressure and pushes more oil to producing wells.

TERTIARY RECOVERY (CO2 EOR)

Injected CO₂ mixes with oil and causes more of the oil to flow to the producing well.



BENEFITS

Using CO₂ captured from industrial sources like power plants, ethanol plants, and gas processing plants for enhanced oil recovery:



Produces greener oil with a smaller carbon footprint because CO2 is permanently stored in the process



Provides economic incentive to capture the industrial CO₂, as the CO₂ is sold to offset the cost of capture



Enhances energy security with homegrown oil production



Generates and maintains well-paying jobs, tax base, and viable communities



Reduces industrial CO₂ emissions to the atmosphere

LOCATION

North Dakota's older (conventional) oil fields

When the market is ready, CO₂ EOR will revitalize older oil fields that are in declining stages of production.

North Dakota's Bakken (unconventional) oil fields

When the technology is ready, CO₂ EOR can be applied to declining Bakken oil wells to improve production.



SAFETY



Oil reservoirs can hold CO₂ the same way they've been holding oil and gas for millions of years.



The oil industry has 40+ years of CO₂ EOR experience.



4,000+ miles of CO₂ pipelines in North America move CO2 every day without incident.



North Dakota's stable geology is ideal for CO₂ EOR.



Millions of additional barrels of oil have been safely produced (Texas, Saskatchewan, Montana, Mississippi).

Support the development of CCUS and CO₂ EOR in North Dakota as a clean energy strategy.

ENERGY

