

BIKE LINES TO STOP ACROSS GEORGIA PIPELINES

Athens

200 miles
Nov. 22-25th
2014

To

Albany

Ride supported by The
Georgia Climate Change
Coalition & Georgia Bikes!

We are riding & producing
community education/
advocacy/organization
events!

1st Event in
Athens (the 19th)

Stops in Macon (the 22nd)

Americus (23rd)
Albany (24th)
Decatur (25th)

Fracking for oil and gas has toxic consequences
for surrounding communities. Even worse:
It's fueling climate change.

The process of hydraulic fracking

1. The Well is drilled and lined with steel casing.
2. Perforating charges blast holes in the casing.
3. High-pressure water, sand, and chemicals are pumped through holes in the rock. The force fractures the rock.
4. Water is pumped out of the well, leaving sand to keep fractures open.
5. Natural gas or oil flows through the fractures and into the well.

The well is extended horizontally into the gas- or oil-filled shale rock.

NOTE: Diagram not to scale

SOURCES: DPS Penn. Wire reports
RICH CLABAUGH/STAFF

GET MORE ONLINE

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www.georgiaclimatchangecoalition.org

NO GAS GA
FRACKED

Hydraulic fracturing

CO₂ injection

Injection well

CEMENT COATING TO PROTECT WATER TABLE
WATER TABLE

STEEL CASING

CO₂

The process of CO₂ flooding

1. The well is drilled and lined with steel casing.
2. Perforating charges blast holes in the casing.
3. CO₂ is pumped into immobile oil and dissolves into the oil.
4. Dissolved CO₂ reduces the oil's viscosity, making it easier to recover.
5. Additional oil is recovered and extracted along with the CO₂.
6. The CO₂ is separated from the oil and stored in a salt dome so it doesn't contribute to the buildup of greenhouse gases in the atmosphere.

IMMOBILE OIL

CO₂ bank

CO₂ and oil mix

Oil bank

Additional oil recovery

IMMOBILE OIL

CO₂ stored in salt dome

NOTE: Diagram not to scale

SOURCES: Halliburton, Wire reports
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