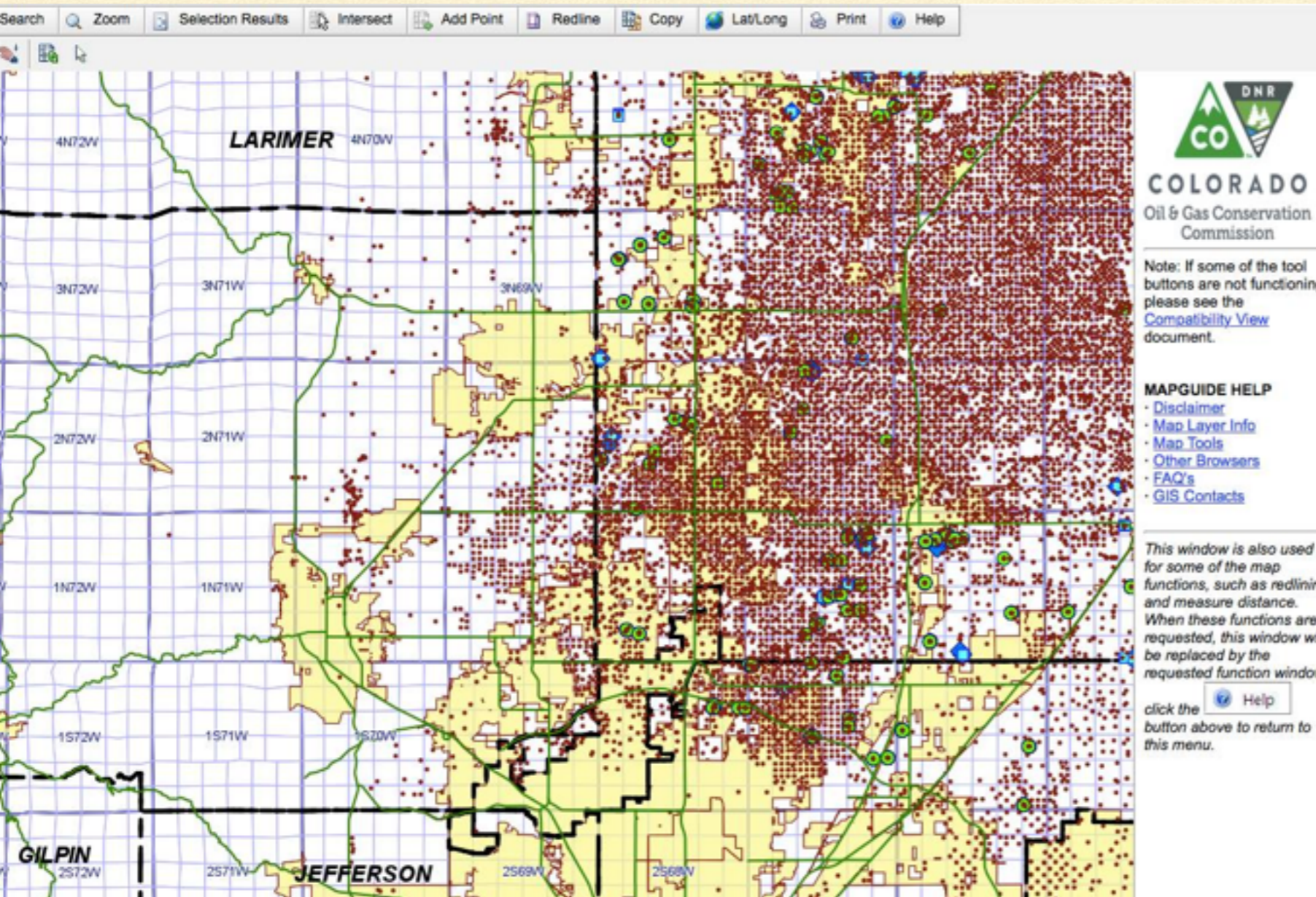


Find your fracking-dharma

Fracking in Boulder: How are you called to act?



Agenda

- 3:00 - 3:30 Welcome, Short song, Introduction to speakers
 - Introduce SNCA, EDS, Cellphones, facilities, Email list
- 3:30 - 3:40 Current Climate + Defining Fracking(10 minutes each)
- 3:40 - 4:00 Politics and History around oil and gas in Colorado
- 4:00 - 4:30 Health, Environmental and Climate impacts
- 4:30 - 4:40 Break
- 4:40 - 4:50 Music and Movement
- 4:50 - 5:10 Latest progress (Children's Trust, Legal rights)
- 5:10 - 5:30 Theories of Change in these times
- 5:30 - 6:00 Resources to prevent fracking
NVDA options

Each section started 3:50 pm allows 5 minutes from each speaker and a 10 minute Q/A with audience

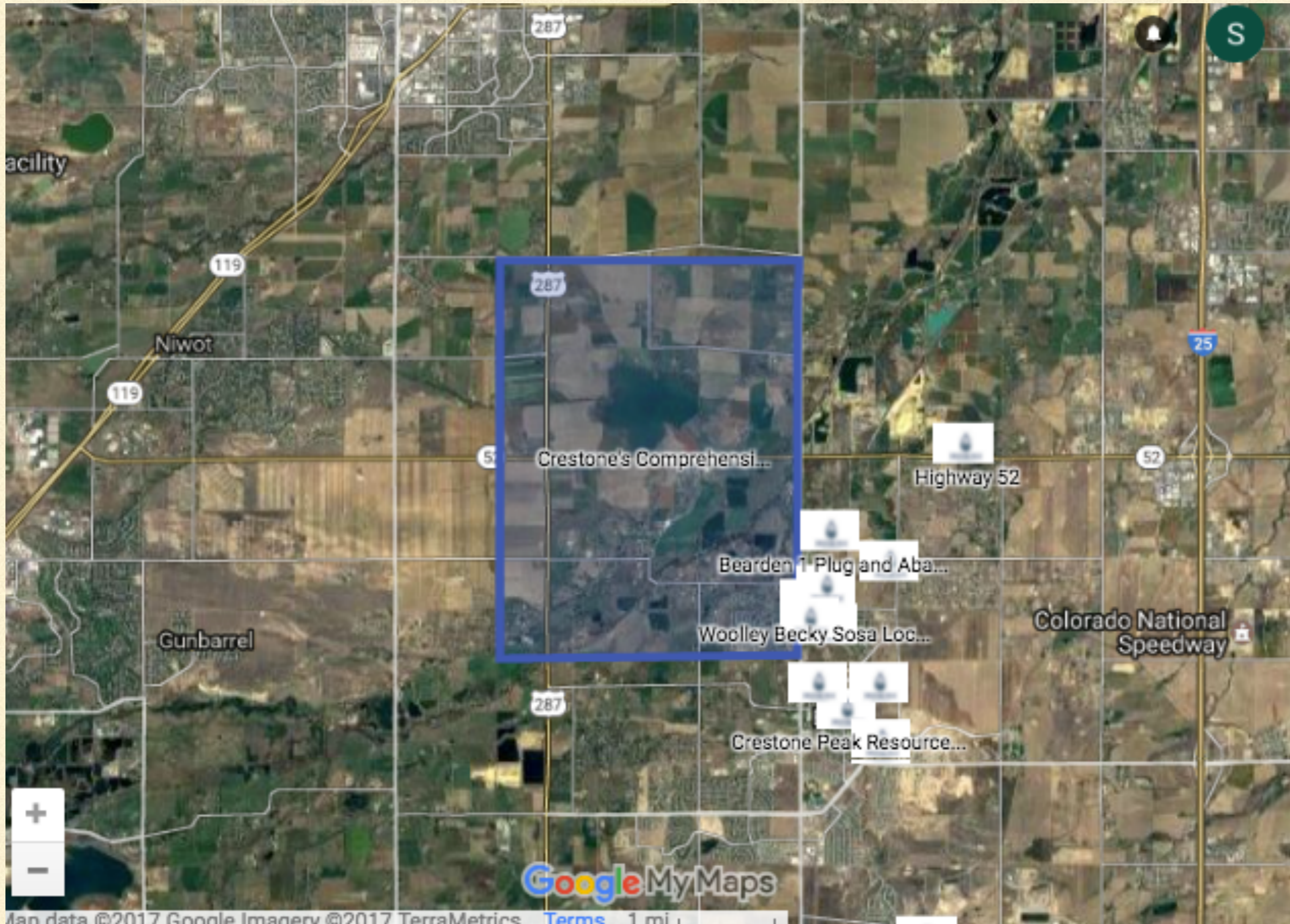


WHO WE ARE



Our Story + The Forming of Frack Free Colorado

CRESTONE PEAK RESOURCES PROPOSING UP TO 216 WELLS IN EAST BOULDER COUNTY. MORATORIUM EXPIRES MAY 1



Extraction's Proposed Bella Romero Well Pads

Legend

- Proposed Wellpads
- 350 Feet
- 500 Feet
- 1,000 Feet
- 1,500 Feet
- 2,500 Feet

Bella Romero 4-8



The soccer field at Bella Romero is only 500 feet away from the proposed wells

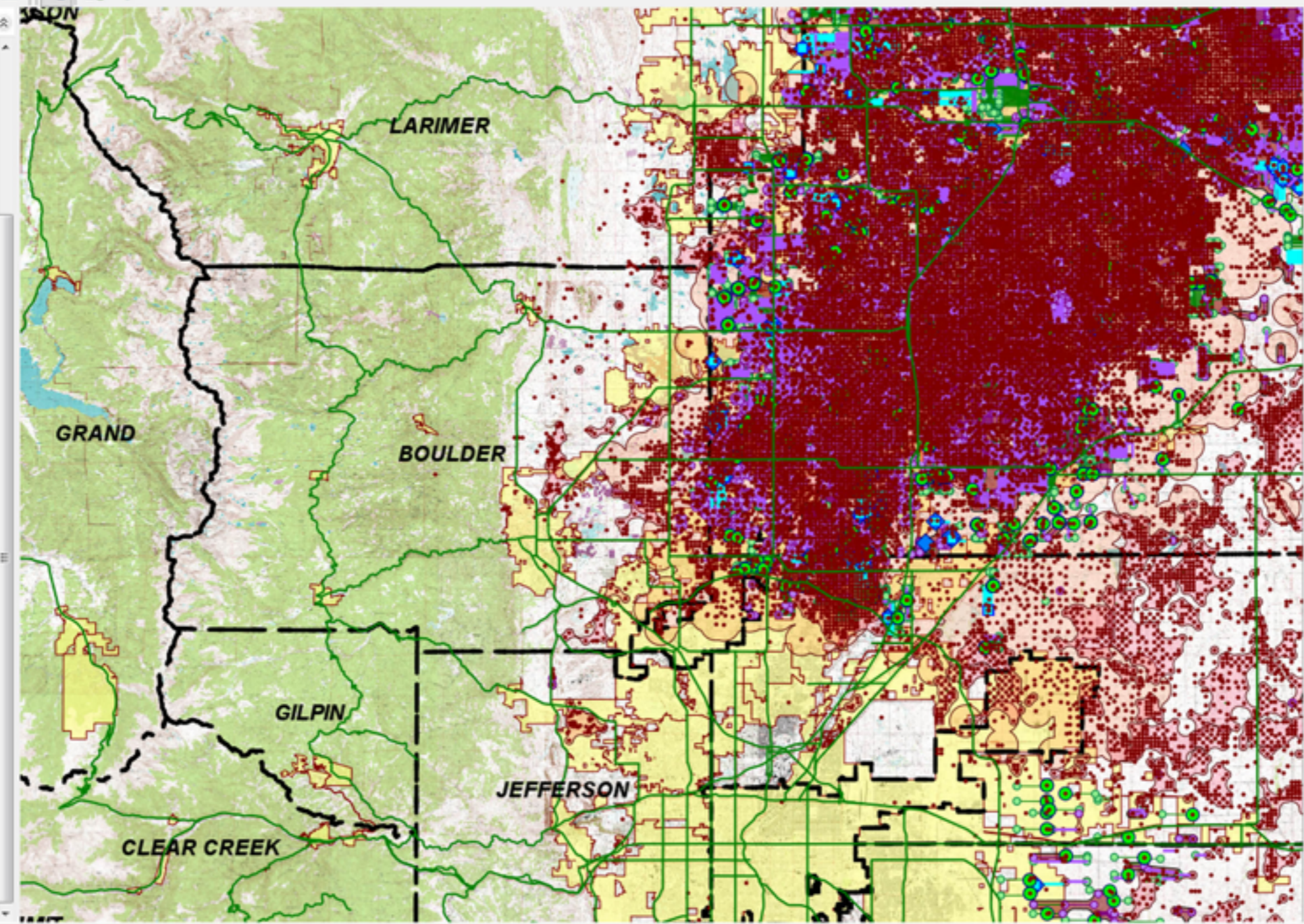


FRACTRACKER
ALLIANCE

0 0.1 0.2 0.4 0.6 0.8 Miles

Source: EPA, EPA/600/R-04/126, EPA/600/R-04/127, EPA/600/R-04/128, EPA/600/R-04/129, EPA/600/R-04/130, EPA/600/R-04/131, EPA/600/R-04/132, EPA/600/R-04/133, EPA/600/R-04/134, EPA/600/R-04/135, EPA/600/R-04/136, EPA/600/R-04/137, EPA/600/R-04/138, EPA/600/R-04/139, EPA/600/R-04/140, EPA/600/R-04/141, EPA/600/R-04/142, EPA/600/R-04/143, EPA/600/R-04/144, EPA/600/R-04/145, EPA/600/R-04/146, EPA/600/R-04/147, EPA/600/R-04/148, EPA/600/R-04/149, EPA/600/R-04/150, EPA/600/R-04/151, EPA/600/R-04/152, EPA/600/R-04/153, EPA/600/R-04/154, EPA/600/R-04/155, EPA/600/R-04/156, EPA/600/R-04/157, EPA/600/R-04/158, EPA/600/R-04/159, EPA/600/R-04/160, EPA/600/R-04/161, EPA/600/R-04/162, EPA/600/R-04/163, EPA/600/R-04/164, EPA/600/R-04/165, EPA/600/R-04/166, EPA/600/R-04/167, EPA/600/R-04/168, EPA/600/R-04/169, EPA/600/R-04/170, EPA/600/R-04/171, EPA/600/R-04/172, EPA/600/R-04/173, EPA/600/R-04/174, EPA/600/R-04/175, EPA/600/R-04/176, EPA/600/R-04/177, EPA/600/R-04/178, EPA/600/R-04/179, EPA/600/R-04/180, EPA/600/R-04/181, EPA/600/R-04/182, EPA/600/R-04/183, EPA/600/R-04/184, EPA/600/R-04/185, EPA/600/R-04/186, EPA/600/R-04/187, EPA/600/R-04/188, EPA/600/R-04/189, EPA/600/R-04/190, EPA/600/R-04/191, EPA/600/R-04/192, EPA/600/R-04/193, EPA/600/R-04/194, EPA/600/R-04/195, EPA/600/R-04/196, EPA/600/R-04/197, EPA/600/R-04/198, EPA/600/R-04/199, EPA/600/R-04/200

- COGCC Data
- O&G Locations
 - 2A Locations
 - COGCC_Locations
 - Active Loc
 - Closed Loc
 - Aband Loc
 - Permit Loc
 - Locations
- Directionals
 - Pending Directional
 - Fm 2 Pending Dir
 - Fm 4 Pending Dir
 - Fm 5 Pending Dir
 - Dir BHL Actual
 - Dir BHL Planned
 - Dir Lines Planned
 - Dir Lines Actual
- COGCC Rules
 - COGCC Oil & Gas Fields
 - Field Scout Card Available
 - COGCC_Horizontal_Fields
 - COGCC_Fields
 - COGCC_Wattenberg_Field
- Seismic Permits
- Environmental
 - Sample Sites
- Roads & RRs
- Water Resources
- Floodplains
- SecTwpRng
- Wildlife CPV
- State Lands
- Indian Lands
- BLM Lands
- Surface Lands
- Places
- Counties_Zoom
 - CityPolygons
 - Surface Owner
- Special Projects
- Soil Surveys
- Geology
- Topos24K
 - TOPOS24K
 - Flood 2013



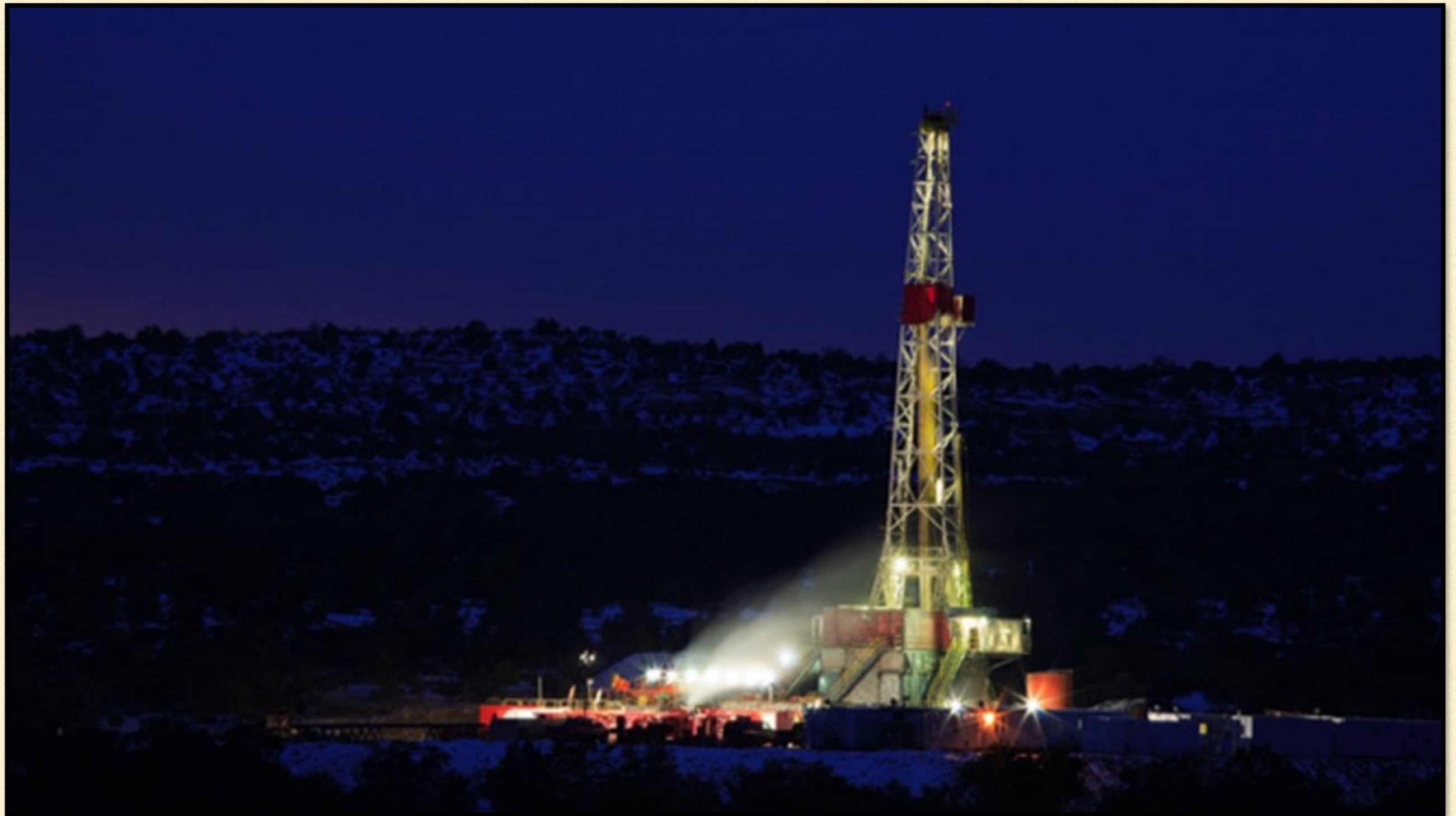
COLORADO
Oil & Gas Conservation
Commission

Note: If some of the tool buttons are not functioning, please see the [Compatibility View](#) document.

- MAPGUIDE HELP**
- [Disclaimer](#)
 - [Map Layer Info](#)
 - [Map Tools](#)
 - [Other Browsers](#)
 - [FAQ's](#)
 - [GIS Contacts](#)

This window is also used for some of the map functions, such as redlining and measure distance. When these functions are requested, this window will be replaced by the requested function window.

click the button above to return to this menu.



FRACKING

Hydraulic fracturing: the injection of liquids at very high pressure into a rock formation containing oil and/or natural gas, so that the rock is fractured.



HALLIBURTON

Former CEO of Halliburton, Dick Cheney passes the Energy policy act in 2005, exempting fracking from the Safe drinking water act

Sierra Club Takes 26 Million from Aubrey
Mclendin: CEO Chesapeake Energy

“BEYOND
COAL”
&
NATURAL GAS
AS A “BRIDGE
FUEL” IS BORN



“CO Democracy Alliance”

The Gang of Four

Natural Gas + Democrats+ Big Greens





“FRACKENLOOPER”



- There are over 500 articles & peer-reviewed health studies in the New York Compendium
 - Colorado School of Public Health study:
 - residents within ½ mile at greater risk of health impacts
 - Colorado School of Public Health study – 30% greater prevalence of congenital heart defects in areas with heavy fracking
-



Benzene – Cancer-causing, affects brain & nervous system, fetus & more. Short term – headache, nausea, vomiting

Toluene – nervous system

Xylene – nervous system

Ethylbenzene – nervous system

Hydrogen sulfide – very poisonous, corrosive, flammable

Ozone – Leads to asthma and more.

Diesel fuel – cancer

Lead

Sulfuric acid – cancer, lung damage, can be lethal

Formalehyde – cancer, toxic, lung damage, reproduction

Naphthalene – carcinogen, respiratory, nausea, vomiting +

Methanol – eyes, headache, fatigue, can be fatal

Arsenic - poisonous

Ethylene glycol – toxic



Colorado School of Public Health : “births to mothers in the most exposed (areas with over 125 wells per mile) had a 30 percent greater prevalence of CHDs than births to mothers with no wells in a 10-mile radius of their residence.”

- Weld County’s infant mortality rate is 2x that of surrounding county, and spiked when oil and gas drilling started in the region. The same thing was seen in the Uinta Basin
-




FRACKING AND WATER

Oil and gas companies in Colorado were responsible for over 1800 oil and gas spills from 2014-2016. over 217 resulted in groundwater contamination.

Water Depletion: Each well uses approximately 3-8 million gallons of water over its lifetime.

Fracking is the only industry that actually takes water out of our global water system, permanently.

10-40 THOUSAND
GALLONS
OF CHEMICALS
ARE USED IN
EACH WELL
TO KILL MICROBES
& "SLICKEN" PIPES³

A landscape photograph showing a brownish haze or cloud over a field. In the foreground, there is a fence with several posts. The middle ground features a green field with some dark patches. In the background, there are several buildings, including a large white one with red lettering. The sky is a mix of blue and brownish tones, indicating the presence of the haze.

Air Quality: Brown cloud over
Greeley, CO

Standard Camera



NorthRidge High School, Greeley, CO

FLIR GasFindIR Camera



POLLUTION JUST FEET FROM THE HIGH SCHOOL



Vehicles for drilling through completion:
60 vehicles @ 40 trips = 2400 trips per well

Ozone pollution basics:

- ✓ Formed by the reaction of pollutants in heat and sunlight

OZONE

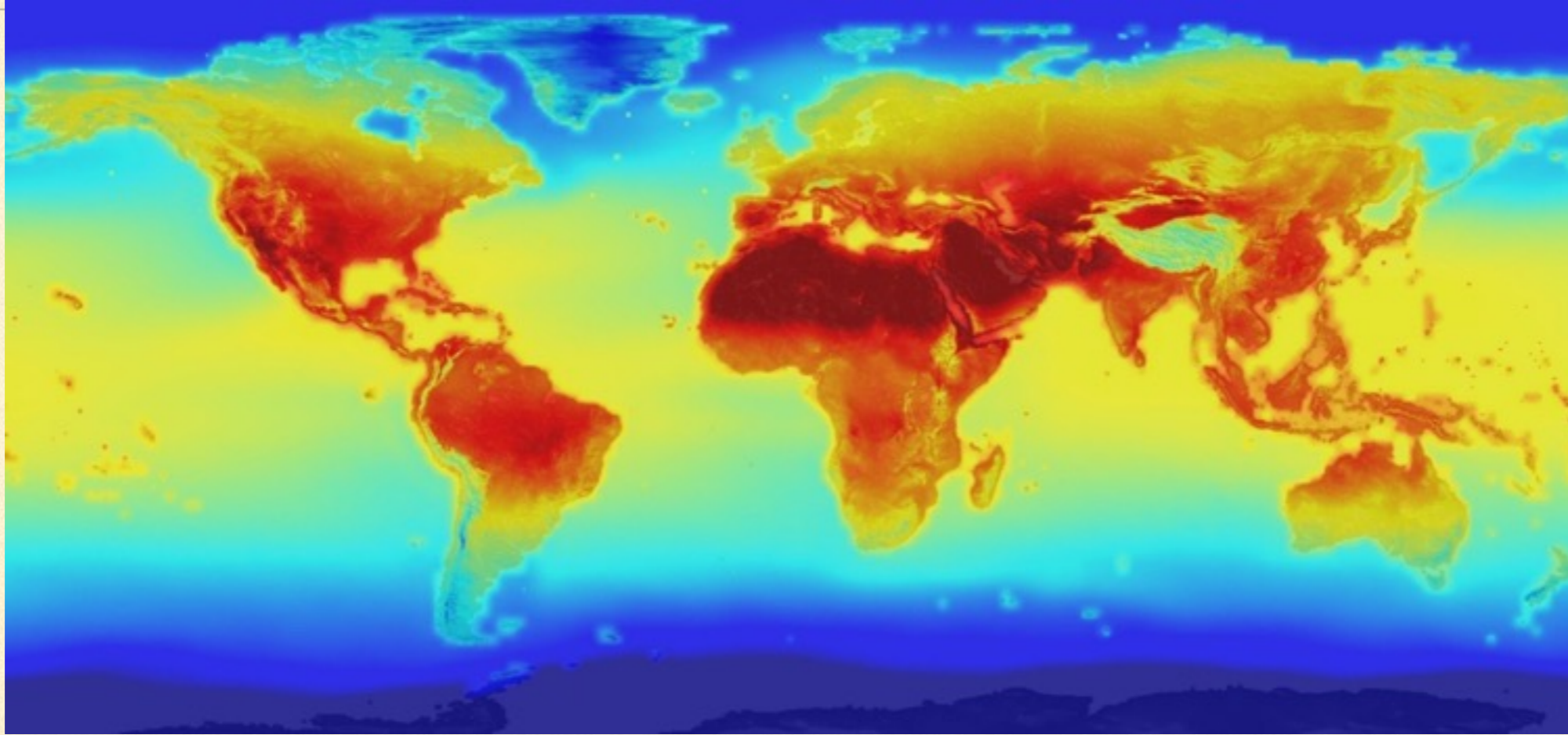
NO_x + VOC + Heat & Sunlight = Ozone



Mule deer population declined by over 30% on the Western Slope
the same time fracking moved in.

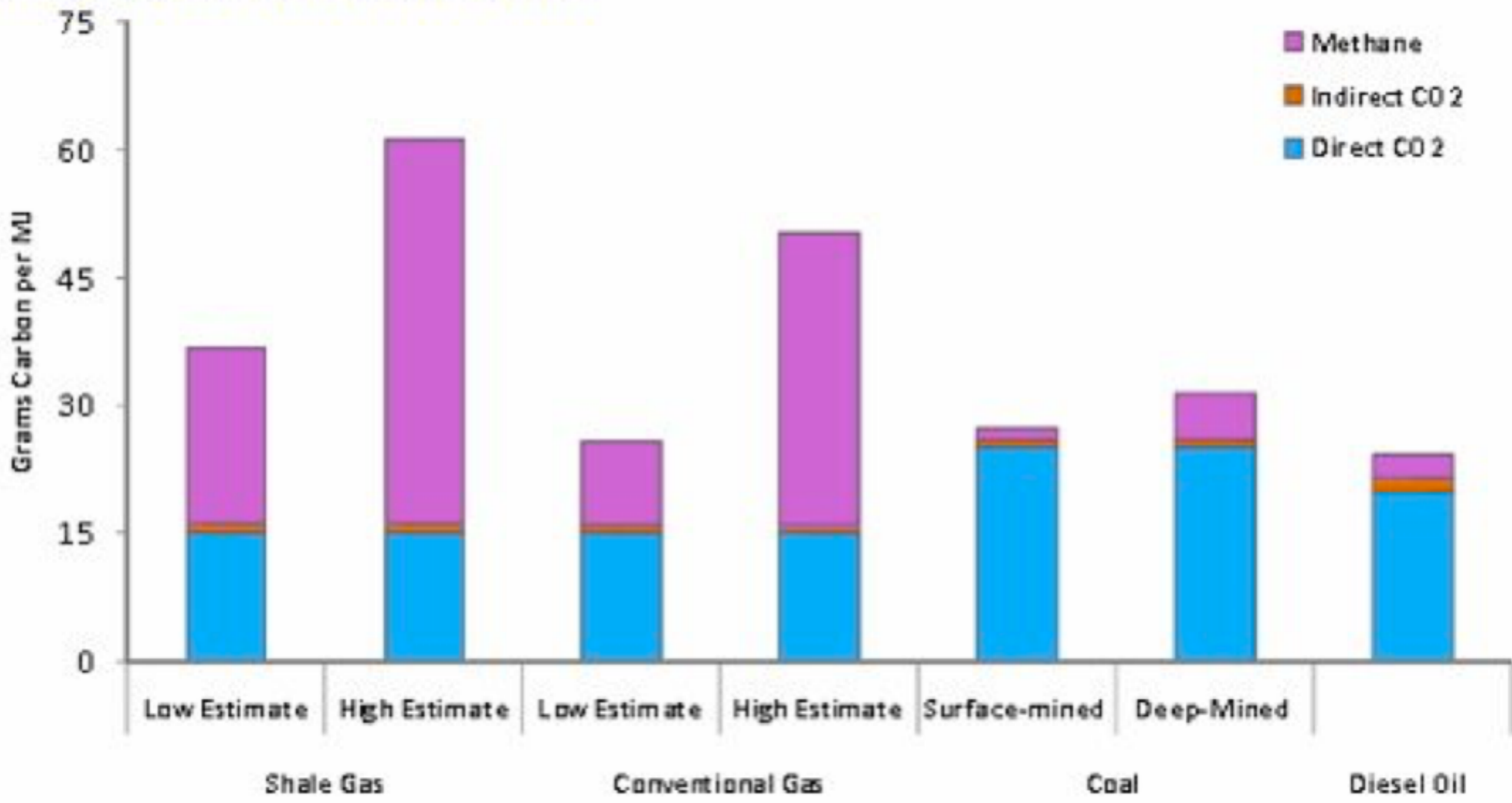


Because there are less mule deer, Colorado plans to kill 45 mountain
Lions and 75 black bears, to allow for mule deer for people to hunt.



- **We must keep *more than 80%* of all known fossil fuels in the ground to keep the increase in global average temperature below 2° C and ideally below 1.5° C. The latest climate science indicates that we have about 26 years before reaching that threshold.**
 - **Methane is over 100x more potent than carbon dioxide over a 20 year period, and 31 times over a 100 year span.**
 - **The U.S. is leaking methane in massive quantities on a global scale, increasing 30% over the 2002-2014 time period.**
-

A. 20-year time horizon



NOAA Colorado Study



“The Denver-Julesburg Basin are losing about 4% of their gas to the atmosphere

Methane leakage rates from Utah’s Unita Basin show a 9% leakage rate

“substitution of gas for coal as an energy source results in increased rather than decreased global warming for many decades.”

In 2012-2014, citizen initiatives were run for bans or moratoria in six Colorado cities & 5 passed!



Longmont Boulder Ft Collins Lafayette Broomfield Loveland



THESE LOCAL DECISIONS WERE OVERTURNED
BY THE SUPREME COURT BASED UPON
PREEMPTION



WHAT IS PREEMPTION?

PREEMPTION IS THE POWER OF A SUPERIOR LEVEL OF GOVERNMENT TO CONTROL HOW LAWS ARE ENFORCED

THIS IS THE CORRECT HIERARCHY

THE PEOPLE (DIRECT DEMOCRACY)

FEDERAL

SUPREMACY CLAUSE

STATE

“DILLON’S RULE”

HOME RULE CITIES

OTHER CITIES/COUNTIES STATE SAYS OUR RIGHTS ARE HERE

HOUSTON WE HAVE A PROBLEM!



HERE'S WHAT THE COLORADO SUPREME COURT SAYS ABOUT THE BALANCE OF POWER

"The balance between the legislative power of the general assembly and the legislative power of the people has been struck in favor of the people in the fundamental charter of our state. No statute passed by the general assembly can be permitted to alter this allocation of power."

Urevich v. Woodard, 667 P.2d 760 (Colo. 1983).

Dillon's Rule Cannot Deny Your Constitutional Rights

“The authority of the legislature, when restricting or withdrawing a municipality’s powers, is subject to the fundamental condition that the collective and individual rights of the people of the municipality shall not thereby be destroyed.”

Atkin v. State of Kansas, 191 U.S. 207 (1903)

Constitutional Rights Cannot Be Preempted

”Even though the matter may be of statewide concern, the General Assembly has no power to enact any law that denies a right specifically granted by the Colorado Constitution.” *Town of Telluride v. San Miguel Valley*, 185 P.3d 161, 169-70 (Colo. 2008).

It's Time to Assert Our Rights – Our Powers

Where Do We Go From Here?

CHALLENGE PREEMPTION WITH LEGAL ACTIONS

**Right of initiative
Inalienable Rights
Constitutional Law
Precautionary Principle
Civil Disobedience**

FROM THE
STREETS
TO THE
COURTROOM...

YOUTH WIN!

V. COLORADO
OIL & GAS
COMMISSION



When We Assert Our Rights New Dynamics Are Created

Colorado appeals court says state must protect health and environment before allowing oil and gas drilling

Martinez v. COGCC

**Courage in the courts only shows up when we have the courage
to assert our rights**

The Martinez Case Could Change Everything

Setback Rules: Now Subject to Challenge
Precautionary Principle: Standard to be Applied
Moratoriums May Now Be *Consistent* With the OGCA
Mega Complexes (Broomfield) Cannot Meet the OGCA

**THE OPEN SPACE IS A PUBLIC TRUST THE
COMMISSIONERS ARE TRUSTEES**

**TRUST ASSETS
100,000 ACRES + \$100 MILLION**

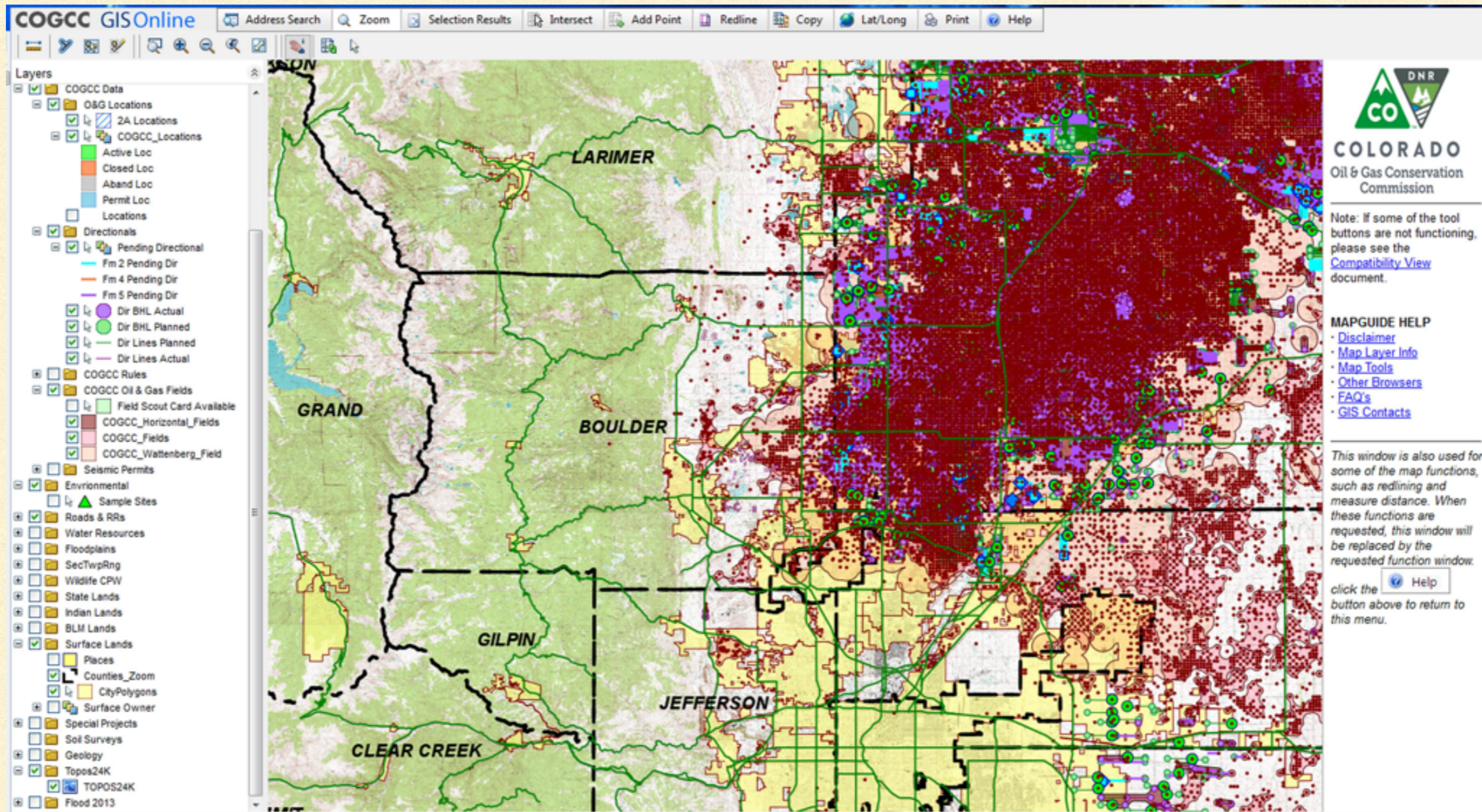
**THE COMMISSIONERS HAVE A FIDUCIARY DUTY TO
PROTECT THE VALUE OF THE TRUST AND OWE UNDIVIDED
LOYALTY TO THE BENEFICIARIES -- US**

PROTECT BOULDER COUNTY

PROTECT THE OPEN SPACE TRUST

ASSERT OUR INALIENABLE RIGHTS

ESTABLISH THE PRECAUTIONARY PRINCIPLE



STOP THE DESTRUCTION OF OUR COMMUNITIES

THE CO AG WILL SUE TO PREEMPT STRICTER REGS

“While we wish we could completely control or prevent all aspects of oil and gas development within Boulder County,” commissioner Elise Jones said, “we are doing everything we can under the current law to protect our local air, water, public health, and the environment with these new regulations.”

Commissioners won't stop fracking permits on open space

BOULDER COUNTY CITIZENS HAVE

Contract Rights (Open Space and Sustainability Initiatives);

RIGHTS To protect their health, safety, property and environment;

RIGHTS to have agencies follow the law

ALL AS GUARANTEED IN THE COLORADO CONSTITUTION

You have to have a
THEORY about how to
make that **CHANGE.**

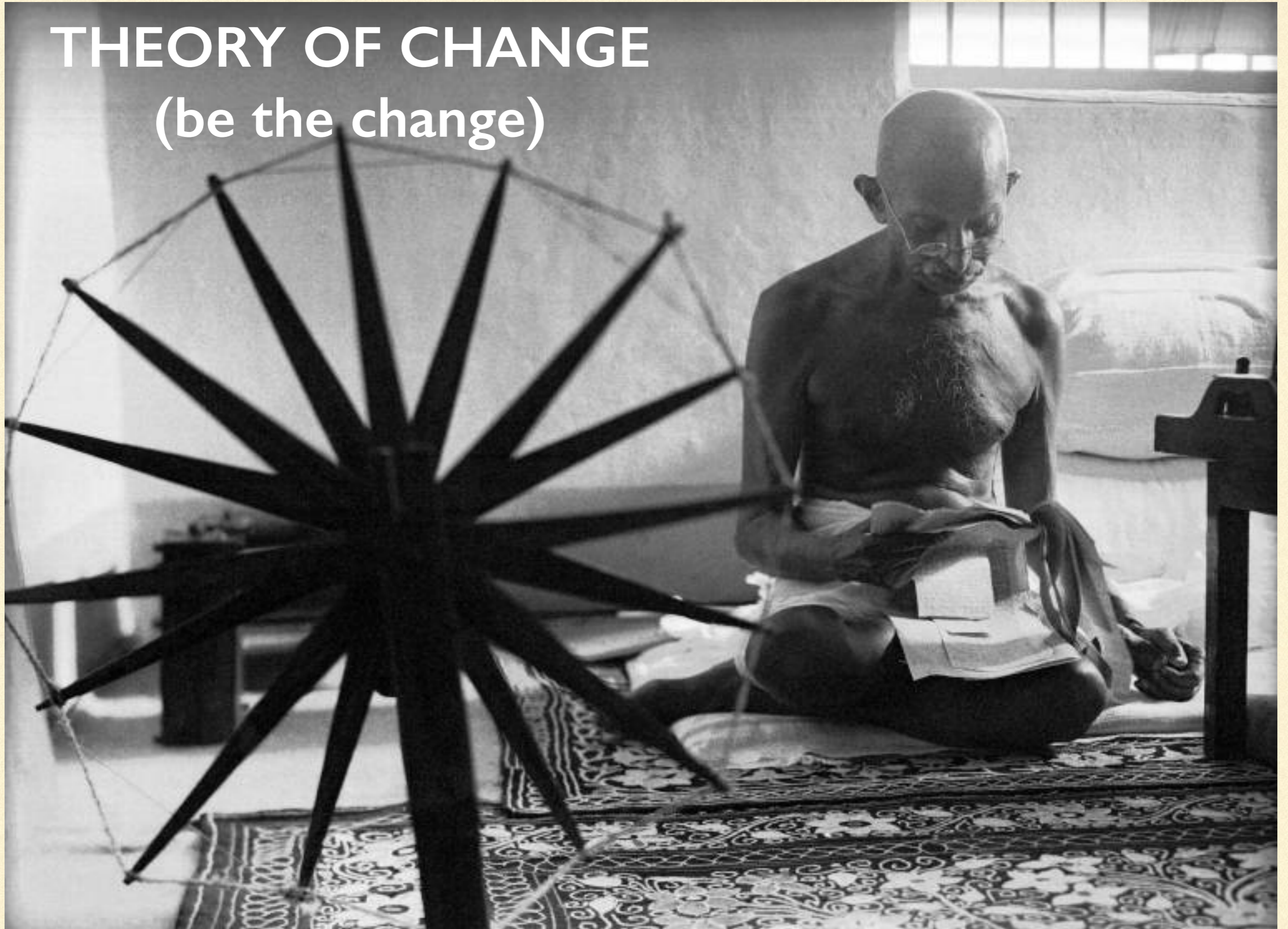


THEORY OF CHANGE

Send a petition to Governor Hickenlooper asking him to stop Fracking



THEORY OF CHANGE (be the change)



POOL RESOURCES TO STAND UP FOR RIGHTS
CAN YOU HELP?



NVDA

TRAINING + PLEDGE





**Email County Commissioners demanding that they use
open space funds to protect open space!**

oilgascomment@bouldercounty.org
