Hydraulic Fracking Violates the Rights of Nature



Presented by Shannon Biggs Director, Movement Rights www.movementrights.org



Fracking is a RAPE of the Earth

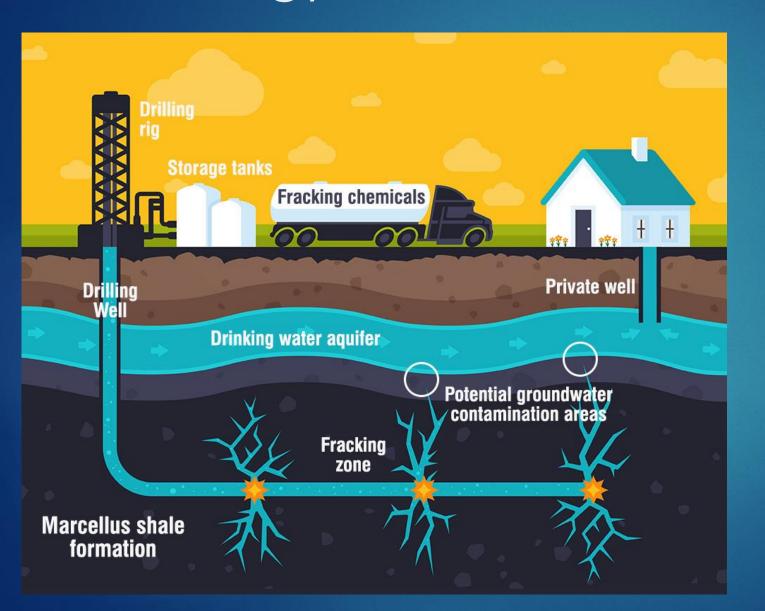








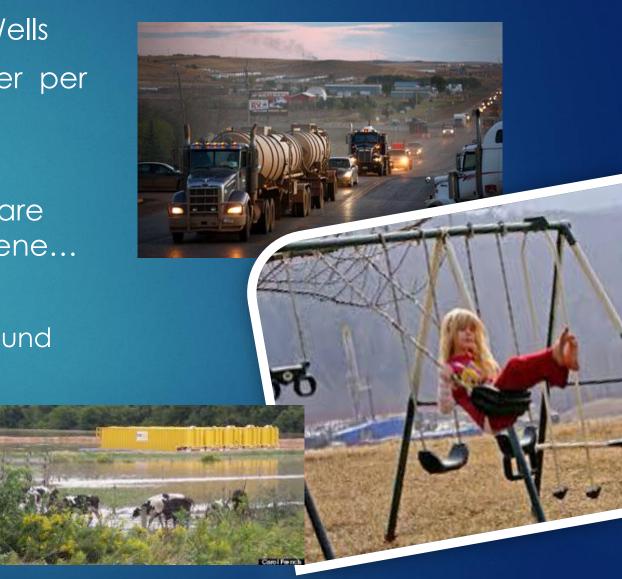
Chronology of an "Environmental Ebloa"



- Shale: 400 million years in the making
- 1940s Discovery: "trapped" Oil& Gas lie 2 miles underground
- Early fracking was different
- 2003: Halliburton technology makes shale accessible
- 2004-2005: Bush/Cheney & the EPA "Halliburton Loophole"
- Paved way for massive boom in US & globally
- Today is one of the worst threats to life on Earth

US Fracking sets stage for Disaster

- Over 1 Million Active Fracked Oil & Gas Wells
- Between 2-8 Million Gallons of FRESH Water per Frack (up to 18x per well)
 - ▶ 100 Trillion Gallons Nationally per year
- Over 750 Chemicals can be Used, Many are Toxic inc Benzene, Formaldahyde, Kerosene...
 - 400 Billion Gallons "Frack Fluid"
 - 2/3 Chemicals Remain or Stored Underground
 - ▶ 1/3 Chemicals in Open Air Pits
- Each well brings 400 Tanker Trucks
- Takes place on farms, schools, neighborhoods, offshore

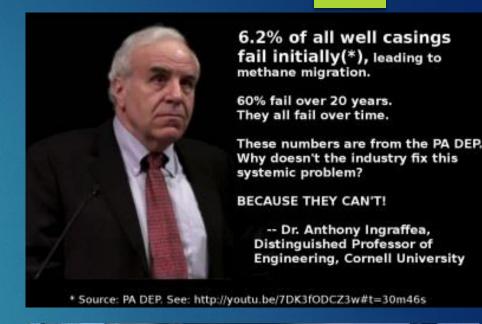


Fracking Violates Rights of Water

- Leaks into Groundwater: Guaranteed
- CA growers use frackwater on 45,000 acres of crops.
- ▶ 1,000 cases of water contamination
- Radioactive water: some places 3,600% above federal limit water.







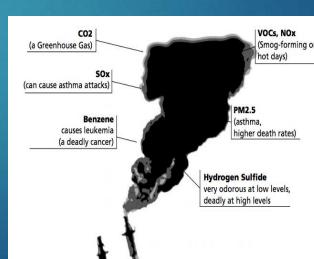


Fracking Violates Rights of Air & Climate

- ► Leakage of methane a greenhouse gas 25 times more powerful than carbon dioxide
- Evaporation "Frack Ponds" "off-gassing" of VOCs
- Cancer, Asthma, air pollution







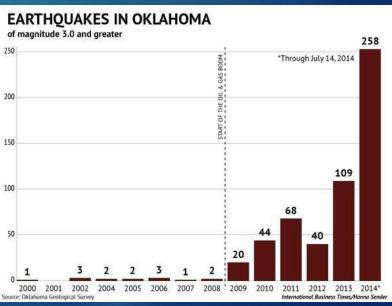


Fracking Violates Soil, & Life

- Fracking causes earthquakes. Oklahoma is now the earthquake capital of the world (Casey Camp Horinek testimony)
- Fracking uses and brings to the Earth's surface radioactive materials that cannot be safely disposed of (uranium, radon)
- "Flowback Fluid" 40% surges into soil, forming colloids that bind with microscopic pollutants
- Fraccidents, Farmland, Animal Deaths & Brine







Fracking Goes Global

