1825 IN CHAUTAUQUA COUNTY, NEW YORK, WILLIAM HART DISCOVERS NATURAL GAS RESERVES.

EXCITED DELIRIUM

1972 THE CLEAN WATER ACT'S OBJECTIVE IS TO RESTORE AND MAINTAIN THE CHEMICAL, PHYSICAL, AND BIOLOGICAL INTEGRITY OF THE NATION'S WATERS.

1974 CONGRESS PASSES THE SAFE DRINKING WATER ACT TO PROTECT UNDERGROUND SOURCES OF DRINKING WATER.

700 CHEMICALS

2016 PARIS ACCORD

WE THE PEOPLE

1908 AN EARLY FORM OF HYDRAULIC FRACTURING IS USED TO SEPARATE GRANITE FROM BEDROCK.

1987 GAS INDUSTRY GRANTED EXEMPTION FROM CLEAN WATER ACT AMENDMENTS DESIGNED TO KEEP POLLUTION OUT OF STORM WATER.

APRIL 2, 1987 WATER QUALITY ACT, 100TH CONGRESS ENACTED, PROVIDED POLLUTION CONTROL, ALSO KNOWN AS THE CLEAN WATER ACT. PROVISIONS INCLUDE: AUTHORITY TO CONTINUE THE CHESAPEAKE BAY PROGRAM.

WATER WATER EVERYWHERE BUT NOT A DROP TO DRINK

CHEMUNG

1990 GAS DRILLERS GIVEN DE FACTO EXEMPTION FROM CLEAN AIR ACT.

1980 SUPERFUND ACT. ENVIRONMENT PROTECTION AGENCY IS DESIGNED TO INVESTIGATE AND CLEAN UP SITES CONTAMINATED WITH HAZARDOUS SUBSTANCES.

EARTHQUAKES

RADON

ROAR AGAIN OVER ROCKS AND PEBBLES THROUGH MUCK AND MUD

CAMPAIGN OF DENIAL

2014 HUNDREDS OF OFFSHORE FRACKING WELLS DUMP BILLIONS OF GALLONS OF OIL WASTE INTO GULF. IN 2014 ALONE THE FRACK INDUSTRY WAS ALLOWED TO DUMP A STAGGERING 76 BILLION GALLONS OF WASTE FLUID INTO THE SEA.

1990 OIL POLLUTION ACT. IT WORKS TO AVOID OIL SPILLS FROM VESSELS AND FACILITIES BY ENFORCING REMOVAL OF SPILLED OIL AND ASSIGNING LIABILITY FOR COST OF CLEANUP AND DAMAGE.

1986 CONGRESS PASSES COMMUNITY RIGHT TO KNOW ACT REQUIRING COMPANIES TO REPORT TOXIC RELEASES. PLEADING TRADE SECRETS FOR FRACKING FLUIDS; GAS DRILLERS GET EXEMPTION FROM THIS LAW.

2001 THE EPA BEGINS A STUDY OF THE IMPACTS OF FRACKING ON DRINKING WATER. SHORTLY AFTER TAKING OFFICE, VP DICK CHENEY (PREVIOUSLY CEO OF OIL AND GAS FIRM HALLIBURTON) FORMS ENERGY TASK FORCE.

2005 KYOTO PROTOCOL

METHANE

TENTACLES PULLING ME IN

JANUARY 2012 YOUNGSTOWN OHIO, IS HIT BY ITS 12TH EARTHQUAKE OF THE YEAR. THE MOST RECENT EARTHQUAKE IS LOCATED, LIKE THE OTHERS, VERY NEAR A D&L FRACKING INJECTION WELL WHERE MILLIONS OF GALLONS OF FRACKING BRINE HAVE BEEN INJECTED BELOW THE EARTH'S SURFACE.

DECEMBER 2014 NEW YORK STATE BANS FRACKING.

SEPTEMBER 2020 JET STREAM FROM CALIFORNIA-OREGON FIRES, WAVES OF VARIOUS HAZE DENSITIES OVER NORTHEAST FOR NEXT FEW DAYS.

BRINE

2015 SUBURB OF LA PORTER RANCE, CA, LARGEST GAS LEAK IN US HISTORY. METHANE GAS LEAKED FOR OVER 4 MONTHS. SOCALGAS COMPANY.

JUNE 2015 AFTER A LONG AWAITED SIX YEAR STUDY DEC OFFICIALLY STATES HYDROFRACKING POISONS RESIDENTIAL AND MUNICIPAL WATER SOURCES.

GASOLINIC ERA

2012 GEOLOGISTS LINK FRACKING TO EARTHQUAKES IN OHIO AND OKLAHOMA.

APRIL 2016 CONSTITUTION PIPELINE BANNED, 125 MILES SOUTHERN TIER.

FRACTURED STATE

2012 CORNELL UNIVERSITY VETERINARIAN PUBLISHES STUDY ON CATS, DOGS, HORSES, AND COWS HAVING SEIZURES AND DYING AFTER EXPOSURE TO FRACKING CHEMICALS.

2020 "THE LONG FIGHT TO CLEAN UP OUR WATER"

1948 FEDERAL WATER POLLUTION ACT

1972 CLEAN WATER ACT

1974 SAFE DRINKING WATER ACT

1987 WATER QUALITY ACT

1990 OIL POLLUTION ACT

2015 WETLANDS PROTECTIONS ACT

2020 TRUMP ADMINISTRATION ROLLS IT ALL BACK

2018 RECENT CA DROUGHTS. GAS COMPANIES SELLING WASTE WATER TO WATER THEIR FRUITS AND VEGETABLES.

MAY 2013 FRACKING PA TO DEATH. EPIDEMIC OF CHILDREN WITH CANCER. AN ACT OF ECOLOGICAL VIOLENCE.

AUGUST 2019 RARE CANCER STRICKEN CHILDREN SOUTHWESTERN PA
THE FRACKING PROCESS INVOLVES CARCINOGENIC CHEMICALS, ACADEMIC STUDIES HAVE LINKED LOW BIRTH RATES, BIRTH DEFECTS AND ASTHMA TO FRACKING.

MAY 2013 FRACKING PA TO DEATH. EPIDEMIC OF CHILDREN WITH CANCER. AN ACT OF ECOLOGICAL VIOLENCE AROUND WHICH ALIEN INFRASTRUCTURES—COMPRESSOR STATIONS THAT COMPACT THE GAS FOR PIPELINE TRANSPORT, PONDS OF CONTAMINATED FLOWBACK, FLARE STACKS THAT BURN OF GAS IMPURITIES, DIESEL TRUCKS IN QUANTITY, THOUSANDS OF MILES OF PIPELINES, AND MORE—HAVE METASTASIZED ACROSS RURAL AMERICA, PUMPING CARCINOGENS AND TOXINS INTO WATER, AIR, AND SOIL.

NOVEMBER 2012 FRACKING: 632 CHEMICALS. 25% ARE LINKED WITH CANCER OR MUTATIONS. 37% AFFECT HORMONES. 40-50% AFFECT KIDNEYS AND NERVOUS, IMMUNE, AND CARDIOVASCULAR SYSTEMS. 75% AFFECT SENSORY ORGANS AND RESPIRATORY AND GASTRO-INTESTINAL SYSTEMS.

DECEMBER 2019 IMMENSE AMOUNTS OF METHANE ARE ESCAPING FROM OIL AND GAS SITES NATIONWIDE, WORSENING GLOBAL WARMING, AS THE TRUMP ADMINISTRATION WEAKENS RESRICTIONS ON OFFENDERS. IF METHANE IS NOT BURNED OFF WHEN RELEASED, IT CAN WARM THE PLANET MORE THAN 80 TIMES AS MUCH AS CARBON DIOXIDE OVER A 20-YEAR PERIOD.

IT DIDN'T BEGIN WITH THE FRACKING BUT THE CRACK JUST GREW...

THE RUDE ALGAE OF TIME

2015 WETLANDS PROTECTION ACT: THE 2015 RULE GAVE THE FEDERAL GOVERNMENT AUTHORITY TO OVERSEE A WIDE ARRAY OF LAKES, STREAMS, WETLANDS, STORM-WATER CONTROLS AND DITCHES FEEDING INTO LARGER WATERWAYS THAT ARE CLEARLY PROTECTED UNDER THE 1972 CLEAN WATER ACT.

KOCH BROTHERS

BETWEEN SAFE AND DANGEROUS WATERS

SIGNIFICANT UNKNOWNS

DECEMBER 2010 LAW OF THE RIGHT OF MOTHER EARTH IS A BOLIVIAN LAW PASSED BY BOLIVIA'S PLURINATIONAL LEGISLATIVE ASSEMBLY. THE LAW DEFINES MOTHER EARTH AS "A COLLECTIVE SUBJECT OF PUBLIC INTEREST, AND DECLARES BOTH MOTHER EARTH AND LIFE-SYSTEMS AS TITLEHOLDER OF INHERENT RIGHTS SPECIFIED IN THE LAW."

RENEWABLE ENERGY

2011 STUDY IN JOURNAL CLIMATIC CHANGE SUGGESTS CUMULATIVE GREENHOUSE IMPACT OF NATURAL GAS MAY BE AT LEAST 20 PERCENT HIGHER THAN COAL'S BECAUSE OF METHANE LEAKAGE FROM WELLS.

CLIMATE DENIAL MACHINE

TOXIC JUNKIE

SEPTEMBER 2009 13 WELLS IN DIMOCK PA, ARE CONTAMINATED WITH METHANE, CAUSING ONE TO EXPLODE. THE GAS COMPANY RESPONSIBLE FOR THE FAULTY DRILLING PROJECT IS FORCED TO COMPENSATE RESIDENTS AND BUILD A PIPELINE TO SUPPLY SAFE DRINKING WATER TO THOSE AFFECTED.

APRIL 2010 BP DEEPWATER HORIZON BLOWOUT. CONSIDERED TO BE THE LARGEST MARINE OIL SPILL IN THE HISTORY OF THE OIL AND GAS INDUSTRY. 4.9 MILLION BARRELS SPILLED OVER 5 MONTHS (INCLUDING METHANE GAS).

NOVEMBER – DECEMBER 2007 AT LEAST 22 WATER WELLS IN BAINBRIDGE, OHIO, ARE CONTAMINATED WITH DRILLING CHEMICALS, ONE OF WHICH EXPLODES DUE TO THE METHANE RELEASED FROM THE WELL WATER.

1992 U.N. CLIMATE CHANGE CONVENTION

THIS LAND IS OURS SPECULATORS KEEP OUT

2003 PRESIDENT GEORGE W. BUSH AND VICE PRESIDENT CHENEY BACK A SWEEPING NATIONAL ENERGY BILL THAT INCLUDES A PROVISION TO EXEMPT HYDRAULIC FRACTURING FROM EPA DRINKING WATER REGULATION.

TECHNICALLY THE NAME OF THE LAW IS THE FEDERAL WATER CONTROL ACT. THE FIRST FWPCA WAS ENACTED IN 1948, BUT TOOK ON IT'S MODERN FORM WHEN COMPLETELY WRITTEN IN 1972. IN AN ACT ENTITLED THE FEDERAL WATER POLLUTION CONTROL ACT AMMENDMENTS OF 1972. MAJOR CHANGES HAVE SUBSEQUENTLY BEEN INTRODUCED VIA AMENDATORY LEGISLATION INCLUDING THE CLEAN WATER ACT OF 1977 AND THE WATER QUALITY ACT OF 1987.

JUNE 2009 U.S. HOUSE REPRESENTATIVES DIANA DEGETTE (D-CO) AND MAURICE HINCHEY (D-NY) AND U.S. SENATORS ROBERT P. CASEY, JR. (D-PA) AND CHARLES SCHUMER (D-NY) INTRODUCE THE FRACKING RESPONSIBILITY AND AWARENESS OF CHEMICALS ACT (FRAC ACT). THE ACT WOULD REPEAL FRACKING'S EXEMPTION FROM THE SDWA. THE ACT DOES NOT PASS.

REVERSE THE ELEMENTS

JULY 2009 RECORDS SHOW ROUGHLY 58,000 ACTIVE GAS WELLS IN PENNSYLVANIA.

1948 THE FEDERAL WATER POLLUTION ACT OF 1948 WAS THE FIRST MAJOR U.S. LAW TO ADDRESS WATER POLLUTION. MADE IT UNLAWFUL FOR ANY PERSON TO DISCARGE ANY POLLUTANT FROM A POINT SOURCE INTO NAVIGABLE WATERS (POST WWII).

F-BOMB

SEPTEMBER 2005 EPA INSPECTOR GENERAL NIKKI TINSLEY STOPS THE INVESTIGATION INTO THE MISHANDLING OF A HYDRAULIC FRACTURING STUDY, STATING THAT THE QUESTION OF THE EPA CONDUCTING A FRAUDULENT STUDY IS NO LONGER RELEVANT SINCE CONGRESS HAD EXEMPTED FRACKING FROM THE LAW.

SACRIFICE ZONE

ENVIRONMENTAL RACISM

2005 CHENEY-BACKED ENERGY BILL CONTAINS "HALLIBURTON LOOPHOLE," WHICH EXEMPTS FRACKERS FROM THE SAFE DRINKING WATER ACT.

AIMLESSLY IN BARREN WATER

1992 PRESIDENT GEORGE H.W. BUSH'S EPA CHIEF, BILL REILLY, MEETS WITH INDUSTRY EXECS INCLUDING ENRON CEO KEN LAY, PRAISES GAS', "RELATIVE ENVIRONMENTAL CLEANLINESS."

JULY – AUGUST 2005 CITING THE EPA'S 2004 STUDY, CONGRESS PASSES AND PRESIDENT BUSH SIGNS THE ENERGY POLICY ACT OF 2005, EXEMPTING FRACKING FROM THE SAFE DRINKING WATER ACT (1974). PRIOR TO THIS, THE EPA HAD THE AUTHORITY TO INVESTIGATE AND REGULATE FRACKING, BUT THE 2005 LAW RETRACTS THE EPA'S AUTHORITY OVER FRACKING OPERATIONS. THIS EXEMPTION FOR FRACKING IS KNOWN AS THE "HALLIBURTON LOOPHOLE."

1949 HALLIBURTON BECOMES THE FIRST COMPANY TO USE HYDRAULIC FRACTURING TO EXTRACT NATURAL GAS AT AN INDUSTRIAL MAGNITUDE.

1947 HYDRAULIC FRACTURING IS USED FOR THE FIRST TIME TO EXTRACT NATURAL GAS.

FRACK BUBBLE

COLLABORATING TO SUBVERT THE ALTOGETHER UGLY DOWN TO EARTH TO BE QUITE FRAUDULENT

I AM A SINKING BOAT