

BIO -

My name is Bob Schmetzer - presently serving as president of the South Heights Boro Council - and past Mayor,

Emergency Management Director & Lt in Fire Dept. I am retired after working for 40 years in the Construction industry working on Energy Projects like the Nuclear Plants, Coal fired Power houses, gas industry, refineries and others -

I am married with 2 children & grandchildren.

I served in the USN for 4 years and I am a Viet-Nam veteran. I have a top secret clearance and an honorable discharge.

I recognize Marcellus Gas drilling is here. I also recognize that responsible drilling is necessary for the Health, Safety, and welfare ~~of~~ any community.

There are More Natural Resources than Natural Gas. There is the Natural Air, Natural Water and Natural land that gives sustenance to all life.

We have to protect life now and for future generations.

Overview -

The non-resident property owner asked a question of local government. How would your community feel about a Marcellus well on this property -

The Facts were searched out and the ^{interested} public attended both Crescent and South Heights public meetings and Hopewell officials.

We were told ^{by the public} that the risk to them was too great for the reward. To loose their water for any period of time would be too much of a burden.

To be exposed to toxic and explosive gas is too dangerous.

They requested that local & ^{state} government protect their health, safety, and welfare

②
Dec 8 - 2011

First Meeting: S. Hgts Boro Mgr called & said Chris Squitiero stopped into Boro Bldg. He wants to drill a gas well on old DLCO property. Could I come to the office? Yes, I went immediately. Also called in was the Mayor, Richard Trauter and CHJA Mgr, Dan Losce. Mr Squitiero said he was trying to get a feeling how the community felt about this idea. He had two ideas one a Marcellus Well and another some type of processing plant. Since the property is divided between Allegheny & Beaver Co. and the municipalities of Crescent & South Heights he wanted to have us survey the community. I had an aerial photo of the whole property and took time to identify what was on this and answered his questions. He seemed happy. He gave all of us his business card and said we could call him with any questions.

Chris said, If the community doesn't care for this, he and his partner Brian Gentry, property owner, would put the property up for sale —

Jan 10 - 2012 Crescent Twp Municipal Building

Property Owner: Bryan Gentry, Chris Squitiero, Wm. Dan
DLCO - Bob Brown & Land Atty -
Crescent Twp Bill Cook & Woman Supervisor
St. Hgts - Mgr R. Jones, Pres - Bob Schuetzler, Council ^{CEKOR} _{GLUS}
Water Auth. Mgr & Asst Mgr -

Chris, Bryan, and Bill Danchuk wanted to have a historic first agreement!

At that time we didn't know that Mr Danchu was a compliance attorney who worked for US Steel Dominion, Consolidated Gas, (CNG), and the Marcellus Industry for 5 years -

Summary - They wanted an agreement with South Heights/Crescent, with no solicitors present but theirs,

The Question was asked if they were a ghost company for a larger Oil & Gas Industry. Stories out of Northern Michigan told of the problems with LLC's with little or no assets drilling on farms whose projects went bad - We got no answer - Crescent was offered a new Police Car & 10 yrs Tax & Fire Meeting Adjourned

Off

Report

The Creswell Heights Joint Authority Source Water Assessment Public Summary

Source 3 groundwater wells
Daily 986,701 gallons withdrawn
Serves Hopewell, Crescent, & Moon Townships and South Heights
Sources of Contamination - Fly Ash Dump, Barge Repair, Petroleum pipeline, Local Dump, Transportation, ash ponds -

NOTE: The aquifer for CHJA is sensitive to VOC Contamination because of high pumping rates, shallow depth of wells, and aquifer characteristics.

Protection Needs: EPA set a goal that by 2005, 50% of consumers that receive their drinking water from public water supplies, will receive their drinking water from protected sources. A local well head protection plan is needed.

www.dep.state.pa.us

Community Concerns: Well Cementing ^{is} Safe Claim!
Read Attachment #1 Cement Casing Violations

no one has been harmed — or made sick Claim!

People made Sick near well drilling — Att: #2

written summary violations

Att:

#1

RANGE RESOURCES APPALACHIA LLC 02/14/2011 081-20238

78.85 - Inadequate, insufficient and/or improperly installed cement

Bubbling in the annulus of the 9 5/8 x 13 3/8 casing

RANGE RESOURCES APPALACHIA LLC 02/22/2011 081-20238

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

02/14/11 gas bubbling in the cellar found to be in the annular space of the 9 5/8 x 13 3/8 casing. 02/16/11 Methane detected with a dept. MSA model 60 gascope.

RANGE RESOURCES APPALACHIA LLC 02/07/2012 081-20292

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

Defective cement 78.86: Gas found pressure and flow on 2 annuli. Both the 9 5/8x 5 1/2 and the 13 3/8 x 9 5/8

RANGE RESOURCES APPALACHIA LLC 09/23/2011 081-20313

78.83GRNDWTR - Improper casing to protect fresh groundwater

Failure to report lost cement circulation on the surface casing. No cement return to surface.

RANGE RESOURCES APPALACHIA LLC 02/16/2011 081-20385

78.85 - Inadequate, insufficient, and/or improperly installed cement

Bubbling in the annulus of the 9 5/8 x 13 3/8 casing

RANGE RESOURCES APPALACHIA LLC 02/22/2011 081-20385

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

02/14/11 Gas bubbles in the cellar found to be the annulus of the 9 5/8 x 13 3/8 casing. 02/16/11 Methane was detected with a dept. MSA model 60 gascope.

RANGE RESOURCES APPALACHIA LLC 12/02/2011 081-20387

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

Gas found with the presence of methane in the 9 5/8 x 5 1/2 annulus. 100% methane with 105 cuft/day

RANGE RESOURCES APPALACHIA LLC 11/23/2011 081-20480

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

gas that was not self reported was found with the presence of methane in the 13 3/8 x 9 5/8 annulus and the 9 5/8 x 5 1/2 annulus

RANGE RESOURCES APPALACHIA LLC 11/23/2011 081-20481

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

gas that was not self reported was found with the presence of methane in the 13 3/8 x 9 5/8 annulus and the 9 5/8 x 5 1/2 annulus

RANGE RESOURCES APPALACHIA LLC 11/23/2011 081-20482

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

gas that was not self reported was found with the presence of methane in the 13 3/8 x 9 5/8 annulus and the 9 5/8 x 5 1/2 annulus

RANGE RESOURCES APPALACHIA LLC 11/23/2011 081-20483

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30 days

gas that was not self reported was found with the presence of methane in the 13 3/8 x 9 5/8 annulus and the 9 5/8 x 5 1/2 annulus

Problems of Self-Regulation. Failure to Report. Failure to file Correction plan -

RANGE RESOURCES
APPALACHIA LLC

11/23/2011

081-20484

78.86 - Failure to report defective, insufficient, or improperly cemented casing w/in 24 hrs or submit plan to correct w/in 30

gas that was not self reported was found with the presence of methane in the 9 5/8 x 6 1/2 annulus

was found with the presence of methane in the 13

JD. Prose Thur. May 10 - 2012 Beaver County Times

The public condemnation of the Creswell Heights Joint Authority by State Representative Jim Christiana as being irresponsible is wrong. As a consumer and customer of this drinking water, I welcome the Transparency and Openness of Public Disclosure.

Representative Christiana was given the letter two weeks prior to being sent out. Yet he did not call or make any inquiries.

To comment on meetings he did not attend, nor make inquiries on, from those who were there is irresponsible and non representative. Drilling is a legitimate concern.

Most importantly, is the Health, Safety, and welfare of our communities.

Creswell Heights Water Authority Meeting with DEF
April 26. 2012

ISSUES: Demolition of Frank Phillips Power House —
Dep plan — for Water Protection
Future Test Wells
Plugging Old Wells —
Discharges into Ohio River NPDES Permits

Questions to PaDep about drilling into the
aquifer.

They were Unaware of Laurel Creek Flowing
Under the plant, 7' Pipe with Electric Wires
and Piping.

The 2 - 13.5 million gallon Ash Pits still there
after a shutdown plan to close them 20 years ago
Tunnel from the plant to the Switch yard —

A High pressure Oxygen line that crosses the river.
They did know of the Sub Station & Explosions — PCB —
Also the fuel tanks for Trucks —

Did Not know about old abandoned Sterling Plant
on the property — Natural Gas Pipeline along
The RR Tracks.

811 First Call Does Not List on Private Property,
The Ash ponds were shut down by PaDep in 1990
because of clay lining breakdown — Caused
damage to Public Water System \$50,000, Fine —
Cost to Consumers were raised for increased filtering

AH #2

May 2012- compiled by Pennsylvania Alliance for Clean Water and Air

1. Pam Judy

Location: Carmichaels, PA

Gas Facility: Compressor station 780 feet away

Exposure: Air pollution

Symptoms: Headaches, fatigue, dizziness, nausea, nosebleeds, blood test show exposure to benzene and other chemicals

<http://www.kansascity.com/2012/04/16/3558830/as-air-pollution-from-fracking.html>

www.marcellusoutreachbutler.org/uploads/7/0/4/5/7045073/pam_judy-green-county.pdf

2. Darrell Smitsky

Location: Hickory, PA

Gas Facility: Range Resources Well, less than 1,000 ft

Exposure: Water –toluene, acrylonitrile, strontium, barium, manganese

Symptoms: Rashes on legs from showering.

Symptoms (animal): Eight healthy goats dead; fish in pond showing abnormal scales; another neighbor comments anonymously

<http://www.marcellus-shale.us/Darrell-Smitsky.htm>

3. Jeremiah Gee

Location: Tioga County, Charleston Township, PA

Gas Facility: Shell Appalachia natural gas well

Exposure: Water - methane

Symptoms: "Worried sick"

<http://www.sungazette.com/page/content.detail/id/565860/Tioga-County-family-struggles-with-methane-in-its-well-water.html?nav=5011>

4. Stacey Haney

Location: Washington County, PA

Gas Facility: Range Resources gas well and 7 acre waste impoundment

Exposure: Water - glycol and arsenic

Symptoms: Son - stomach, (liver and kidney) pain, nausea, fatigue and mouth ulcers; daughter - similar symptoms

Symptoms (animal): Dogs – death; goat – death; horse - sick

http://www.uppermon.org/Mon_Watershed_Group/minutes-23Mar11.html

<http://www.nytimes.com/2011/11/20/magazine/fracking-amwell-township.html?pagewanted=all>

5. Phyllis Carr and family

Location: Lake Lynn, PA

Gas Facility: Three natural gas compressors operated by Williams and a dehydrator

Exposure: Air pollution

Symptoms: Headaches, sore throats, sinus congestion, rashes, blisters, lesions, respiratory distress, and hearing difficulties; blood contains phenol and benzene

<http://www.frackcheckwv.net/2011/01/17/a-good-whiff-will-put-blisters-up-your-nose/>

6. Julie Kuhne

Location: Clearville, PA

Gas facility: Well blowout

Exposure: Water toluene. "...My water test came back contaminated with toluene. So did my neighbors."

Symptoms: Unknown, replacement water or relocated

<http://weeklypress.com/shale-shame-clearville-pa-p1910-1.htm>

7. Joe A. & Sandra K. McDaniel

Location: Clearville, PA

Gas Facility: Steckman Ridge gas storage, wells 1000 ft from pond

Exposure: water- MBAS in spring fed fish pond

Symptoms: Unknown, replacement water or relocated

<http://gomarcellusshale.com/forum/topics/aquiferdrinking-water?commentId=2274639%3AComment%3A29839>

8. Terry Greenwood

Location: Washington County, PA

Gas Facility: Dominion Resources Appalachian and Consol gas wells and impoundment

Exposure: Water (waste pit overflowed into pond)

Symptoms (animal): Cows – ten dead

<http://www.marcellus-shale.us/Terry-Greenwood.htm>

<http://protectingourwaters.wordpress.com/2011/11/04/gas-drilling-impacts-pa-farmer-terry-greenwoods-cows-gave-birth-to-zero-calves-this-year-after-ten-dead-calves-in-2008/>

9. Carol and Don Johnson

Location: Tioga County, PA

Gas Facility: East resources waste impoundment

Exposure: Water (waste pit overflowed into field) - chloride, iron, sulfate, barium, magnesium, manganese, potassium, sodium, strontium and calcium.

Symptoms (animal): Stillborn calves, quarantined cows *radioactive bone marrow*

<http://stateimpact.npr.org/pennsylvania/2011/09/27/burning-questions-quarantined-cows-give-birth-to-dead-calves/>

10. Mary McConnell

Location: Bedford County, PA

Gas Facility: Columbia Gas storage field

Exposure: Air - methane in blood

Symptoms: Headaches, breathing difficulties, sore muscles and other health issues

<http://www.altoonamirror.com/page/content.detail/id/543123/Clearville-residents-blame-reduced-property-values-on-natural-gas-project.html>

11. Wayne and Angel Smith

Location: Bedford County, PA

Gas Facility: Spectra Energy Steckman Ridge storage field, pipelines, compressor stations

Exposure: Air, water - arsenic

Symptoms: Various health ailments

Symptoms (animal): Death - 5 cows, 3 dogs, 12 chickens and 4 cats.

<http://www.altoonamirror.com/page/content.detail/id/543123/Clearville-residents-blame-reduced-property-values-on-natural-gas-project.html>

<http://www.accountability-central.com/nc/single-view-default/article/voices-from-the-shale-citizen-regulators-track-incidents/>

12. Steve and Jacki Schilke

Location: Williston Basin, ND

Gas Facility: Oasis gas wells

Exposure: Water- magnesium, manganese, boron and strontium and sulfates; air - benzene, methane, chloroform, butane, propane, toluene and zylene

Symptoms: Lightheadedness, dizzy and trouble breathing, can't walk

Symptoms (animal): Dogs and cows sick, death

<http://www.greatplainsexaminer.com/2012/01/10/welcome-to-boomtown-oil-production-raises-health-concerns/>

13. Mark and Sandy Mangan

Location: Medina County, Ohio

Gas Facility: Gas well

Exposure: Air; water – salts, methane and cement

Symptoms: Unknown, replacement water or relocated

<http://www.ohio.com/news/local/three-years-after-drilling-feds-say-natural-gas-in-medina-county-well-water-is-potentially-explosive-1.255525>

<http://www.wkyc.com/news/article/227297/6/Medina-County-couple-says-gas-drilling-ruined-their-water>

14. William and Stephanie Boggs (Stephanie deceased, age 47)

Location: Medina County, Ohio

Gas Facility: Landmark 4 LLC gas well

Exposure: Water, land, air

Symptoms: Unknown, replacement water or relocated

<http://www.ohio.com/news/local/three-years-after-drilling-feds-say-natural-gas-in-medina-county-well-water-is-potentially-explosive-1.255525>

http://www.cleveland.com/business/index.ssf/2012/03/medina_county_families_say_fra.html

15. Susan Wallace Babbs

Location: Parachute, CO

Gas Facility: Gas wells

Exposure: Air- benzene, tetrachloroethene and 1,4-dichlorobenzene

Symptoms: Vomiting, diarrhea, lesions, pain, elevated heart rate

<http://www.propublica.org/article/science-lags-as-health-problems-emerge-near-gas-fields>

*Wallace Babbs' symptoms mirror those reported by *neighbors* living near her ranch in Parachute, CO, and by dozens of residents of communities across the country that have seen the most extensive natural gas drilling.

16. Beth and Bill Strudley and sons

Location: Garfield County, CO

Gas Facility: Antero Resources gas well

Exposure: Water, air

Symptoms: Rashes, nosebleeds, blackouts, (relocated)

(drilling by the Anschutz Exploration Corp. in New York contaminated the drinking water of *nine families.*)

<http://www.postindependent.com/article/20110104/VALLEYNEWS/110109981>

<http://savethewatertable.org/2011/03/colorado-family-sues-oil-and-gas-drilling-firms/>

17. Floyd and Lisa Green

Location: Garfield County, CO

Gas Facility: Gas wells, condensate tanks

Symptoms: Nosebleeds, headaches, nausea, muscle spasms,(relocated)

Symptoms (animals): Chicken death, goat gave birth to a head

<http://video.nytimes.com/video/2011/02/26/us/100000000650773/natgas.html?ref=us>

18. Beth Voyles

Location: Washington County, PA

Gas Facility: Range Resources frack waste impoundment and gas wells

Symptoms: Rashes, blisters, inability to concentrate, light-headedness, nose bleeds, lethargy; benzene, toluene and arsenic in blood and urine

Symptoms (animal): Farm animals and dogs suddenly died, other dogs aborted pregnancies, stillborn offspring

http://canon-mcmillan.patch.com/blog_posts/the-pennsylvania-dep-another-red-herring-2

<http://www.dispatch.com/content/stories/local/2011/09/25/fracking-future.html>

19. Jeremiah Magers

Location: Cameron, WV

Gas Facility: Chesapeake well fracked , 1200 feet from water tank.”

Exposure: Water-methane

Symptoms: Unknown, replacement water or relocated

<http://www.heraldstaronline.com/page/content.detail/id/572105/Lawsuit-filed-for-methane-in-water.html?nav=5010>

<http://www.news-register.net/page/content.detail/id/548291/Marshall-County-Man-Continues-To-Find-Methane-in-His-Water-Well.html>

20. Dennis and Tamera Hagy and sons

Location: Jackson County, WV

Gas Facility: Gas wells 1,080 feet away

Symptoms (human): Neurological symptoms

<http://www.wvrecord.com/news/231887-suit-claims-gas-drilling-contaminated-drinking-water>

21. Danny and Sharon Kinney

Location: Salem, WV

Gas Facility: gas well

Exposure: water- arsenic at .060.

Symptoms: Unknown, replacement water or relocated

<http://www.wboy.com/story/17114653/family-suffers-contaminated-water-well-from-oil-gas-industry-on-neighbors-property>

22. Bonnie Hall

Location: Wetzel County, WV

Gas Facility: 10 gas wells nearby

Exposure: water - acrylonitrile, benzene and styrene.

Symptoms (animal): horses refused to drink the water

<http://www.wtov9.com/news/news/farmers-claim-gas-drilling-contaminated-their-wate/nD5RZ/>

23. James and Ruth Parsons

Location: Ripley, WV

Gas Facility: Fracked well within 600 feet of well causing

Exposure: Water-high levels of pollutants and contaminates

Symptoms: Unknown, replacement water or relocated

<http://www.opednews.com/articles/EPA-Warned-Of-Water-Contam-by-Jack-Swint-120227-284.html>

24. Leann Kiner

Location: Harrison County, WV

Gas Facility: Antero gas well

Exposure: Water, arsenic

Symptoms : Unknown, replacement water or relocated

<http://www.youtube.com/watch?v=3WsY7AMCpAI>

25. Lorrie Squibb

Location: Flower Mound, TX

Gas Facility: Intensive gas production

Exposure: Air

Symptoms: Multiple myeloma, a blood cancer

<http://www.scribd.com/doc/75887335/CWA-Health-Workers-Letter-to-GovCuomo-Fracking-2011-12-121>

<http://www.dentonrc.com/local-news/special-projects/gas-well-drilling-headlines/20110831-breast-cancer-rate-climbs-up.ece>

26. John Barnes' niece

Location: Masontown, PA

Gas Facility: Gas well 200 ft away

Exposure: Water - barium

Symptoms: Comatose state for three weeks, liver failed and lungs filled with fluid

<http://wv4mom.org/content/harrowing-experience-nieces-health>

27. Janet and Fred McIntyre and family

Location: Butler County, PA

Gas Facility: Rex gas wells

Exposure: Air; water- high levels of iron, manganese and toluene, high levels of chloromethane and t-butyl alcohol

Symptoms : Aches, nausea and bouts of vomiting, fingernails curling under, hair loss, headache, eye irritation

Symptoms (animal): Gagging and throwing up blood, diarrhea, death

<http://shalegasoutrage.org/wp-content/uploads/2011/09/Janet-McIntyre-short-version.pdf>

She lives in one of **10 households** near Connoquenessing, where residents believe nearby drilling has affected their water

<http://www.foxnews.com/us/2012/04/11/ap-enterprise-docs-say-drilling-law-hurts-health/#ixzz1uDWYnIEF>

28. Megan Collins

Location: Dish, TX

Gas Facility: Compressor station

Exposure: Air

Symptoms (human): Sinus issues, difficulty with balance and standing, headaches, fainting, dystonia and ataxia, nausea

http://www.earthworksaction.org/voices/detail/dish_texas

<http://www.npr.org/templates/story/story.php?storyId=120043996>

29. Deborah Rogers

Location: Forth Worth, TX

Gas Facility: Chesapeake drilling operations

Exposure: Water, air- benzene, dichlorodifluoromethane, chloroform, xylenes, toluene, disulfides

Symptoms : Nausea from the strong odors ,nose bleeds ,severe headaches.

Symptoms (animal): Asphyxiated goats and chickens

http://www.earthworksaction.org/voices/detail/deborah_rogers

<http://vimeo.com/40547126>

30. Sandra DenBraber

Location: Arlington, TX

Gas Facility: Carrizo natural gas operations

Exposure: Air- benzene, toluene, ethylbenzene, and xylenes

Symptoms: Blood has Ethylbenzene, m,p-Xylene, Hexane, 2-Methylpentane, 3-Methylpentane; migraines

<http://www.texassharon.com/2010/12/14/is-natural-gas-drilling-and-production-making-you-sick/>

<http://blog.uta.edu/sustainability/2008/04/02/arlington-woman-claims-drill-rig-causes-sickness/>

http://www.fwweekly.com/index.php?option=com_content&view=article&id=2906:breathers-beware&catid=76:metropolis&Itemid=377

31. Kim McEvoy

Location: Butler County, PA

Gas Facility: Gas well 1,000 feet from house

Exposure: Water- arsenic and methylene chloride

Symptoms : Sickness

Resources: <http://www.wtae.com/news/28827499/detail.html>

http://www.youtube.com/watch?v=MReWP6P_I3g
<http://stateimpact.npr.org/pennsylvania/2012/04/30/residents-fed-up-with-bad-water-flee-shale-drilling-areas/>

32. Carl Stiles (deceased -age 46)

Location: Bradford County, PA

Gas Facility: Chesapeake gas wells

Exposure: water- strontium, uranium and radium

Symptoms: Barium, arsenic, and VOCs (volatile organic chemicals) in blood, intestinal cancer, headaches, memory loss, and tremors

<http://crooksandliars.com/susie-madrak/carl-stiles-fracking-activist-dies-aw>

[http://www.alternet.org/story/150527/%26quot%3Bthey are afraid their house could blow up%26quot%3B%3A meet the families whose lives have been ruined by gas drilling %5Bphotos by award-winning photographer nina berman%5D/?page=2](http://www.alternet.org/story/150527/%26quot%3Bthey%20are%20afraid%20their%20house%20could%20blow%20up%26quot%3B%3A%20meet%20the%20families%20whose%20lives%20have%20been%20ruined%20by%20gas%20drilling%20%5Bphotos%20by%20award-winning%20photographer%20nina%20berman%5D/?page=2)

"there are so many people in Sugar Run who have water buffaloes,"

33. April Beach and son, Sam

Location: Erie, CO

Gas Facility: Five drilling pads within a mile

Exposure: Air, dust

Symptoms : Lesion in spinal cord, asthma, migraines, severe auto immune issues, GI issues and extreme pain.

Resources: <http://www.erierising.com/to-whom-it-may-concern/>

34. June and David Chappel (David deceased)

Location: Washington County, PA

Gas Facility: Waste pit the size of a football field, seven gas wells

Exposure: Air, dust

Symptoms: Sickness

Symptoms (animal): Cat- death

Resources: http://www.earthworksaction.org/voices/detail/laura_amos

<http://www.marcellus-shale.us/June-Chappel.htm>

<http://pafaces.wordpress.com/2010/04/19/hey-june/>

35. Sherry Vargson and husband

Location: Granville, PA

Gas Facility: Drill pad only 500 ft. from her farmhouse

Exposure: Water-methane, radium, manganese and strontium.

Symptoms: Headaches, nausea, lightheadedness

Resources: <http://www.rollingstone.com/politics/news/the-big-fracking-bubble-the-scam-behind-the-gas-boom-20120301#ixzz1nxynrXpq>

http://www.time.com/time/video/player/0,32068,902909981001_2065158,00.html

36. Jean Stephens

Location: Arlington, TX

Gas Facility: Flow back job

Exposure: Air

Symptoms: Sick to her stomach, disoriented and difficulty breathing

<http://barnettshalehell.wordpress.com/2012/03/05/slammed-with-sudden-nausea-from-flowback-odors-business-womans-blood-pressure-soars-after-vomiting/>

37. Laura Amos

Location: Silt, CO

Gas Facility: Four wells on neighbors' property, less than 1000' from house

Exposure: Water

Symptoms : Primary Hyper Aldosteronism, a very rare condition of a tumor - adrenal gland.

http://www.earthworksaction.org/voices/detail/laura_amos

38. Stephanie Hallowich and family

Location: Washington County, PA

Gas Facility: Range Resources Four natural gas wells, a gas processing plant, compressor station, buried pipelines, three-acre plastic-lined holding pond

Exposure: Air

Symptoms: Burning eyes, sore throats and other symptoms

<http://news.nationalgeographic.com/news/2010/10/101022-energy-marcellus-shale-gas-environment/>

<http://www.pennenvironment.org/page/pae/pennenvironments-marcellus-shale-stories>

39. Carol French and daughter

Location: Bradford County, PA

Gas Facility: Within a couple miles of 9 active wells

Exposure: Water

Symptoms: Ruptured spleen

<http://gdacc.org/tag/carol-french/>

40. Bill Solinger

Location: Rifle, CO

Gas Facility: Gas wells

Exposure: Air

Symptoms : Respiratory problems, headaches and fatigue

<http://www.aspentimes.com/article/20061203/NEWS/112030061>

41. Dennis Peterson deceased Feb 2012

Location: Butler County, PA

Gas Facility: Gas wells

Exposure: Water

Symptoms : Leukemia, rashes all over body

<http://barnettshalehell.wordpress.com/2012/02/12/two-people-dead-fracking-to-blame/>

42. Elizabeth "Chris" Mobaldi (deceased Nov. 14, 2010)

Location: Rifle, CO

Gas Facility: 20 wells within a mile of home

Exposure: Air, dust, water

Symptoms: Pituitary tumors, joint swelling and large white bumps on her elbows and hands. Steve experienced rectal bleeding; death

Symptoms (animal): Two dogs developed tumors

<http://thebluehighway.com/?p=841>

43. Chrystal Stroud

Location: Towanda, PA

Gas Facility: Chesapeake well

Exposure: Water-barium, chloride, strontium, manganese, lead, methane, radiological material, and radon

Symptoms (human, animal): hair started falling out, heart palpitations, shortness of breath, and stomach cramps, hand trembling. slurred speech and loss of balance

<http://vimeo.com/24837669>

<http://www.youtube.com/watch?v=ySUSyF1DGns>

44. Edna Moten

Location: Washington County, PA

Gas Facility: Gas wells

Exposure: Water, air

Symptoms: Skin lesions

<http://stateimpact.npr.org/pennsylvania/2012/04/27/doctors-in-shale-country-search-for-answers-but-come-up-short/>

45. Carol and Orlyn Bell

Location: Garfield County, CO

Gas Facility: Gas wells

Exposure: Air

Symptoms: Unknown, replacement water or relocated

<http://www.sourcewatch.org/index.php?title=Fracking>

46. Karen Trulove

Location: Silt, CO

Gas Facility: Gas wells

Exposure: Air, dust

Symptoms : Constant fatigue, headaches, nausea, fatigue and dizziness

<http://www.aspentimes.com/article/20061203/NEWS/112030061>

*Among her *neighbors*, Karen Trulove counts a half-dozen who have removed the batteries from their smoke alarms after they tired of hearing them mysteriously activated. She believes they were tripped by unseen chemicals in the air.

47. Blancett Family

Location: San Juan County, NM

Gas Facility: Gas wells

Exposure: Water-Leaks and spills

Symptoms (animal): Lost cows to toxic oil and gas waste. Testing of sick cattle from the area by the Texas Veterinary Medical Diagnostic Laboratory in 2005 found petroleum in the hair of 54 out of 56 cows

<http://www.nrdc.org/land/use/drilling/photoessay/8.html>

48. Dee Hoffmeister

Location: Silt, CO

Gas Facility: 800 feet from a well pad with four wells and two condensate tanks

Exposure: Air

Symptoms: Weakness, dizziness, fainting, nausea, pain, burning skin and breathing difficulty; four of her grandchildren, who live on the same property, have asthma

Symptoms (animal): Dog has asthma

<http://www.nrdc.org/land/use/drilling/photoessay/4.html>

49. Beth Dardynski

Location: Silt, CO

Gas Facility: Gas wells, burn offs, condensate tanks

Exposure: Air

Symptoms: Dardynski said the smell has been bad in her *neighborhood*, and has made *people* sick. But she also worries about the health effects of breathing smoke from the burns.

<http://rmcleanair.blogspot.com/2006/10/grand-junction-daily-sentinel-air.html>

50. Irma Mondragon

Location: Pueblo, CO

Gas Facility: Gas wells

Exposure: Water-methane

Symptoms: Unknown, replacement water or relocated
http://www.earthworksaction.org/issues/detail/colorado_health_concerns

51. Susan Haire

Location: Morrisania Mesa, CO

Gas Facility: Gas wells and compressor stations

Exposure: Air

Symptoms: Nose bleeds, itching of her eyes and face, coughing, leg nerve inflammation that has hindered her ability to walk and other symptoms

<http://www.hcn.org/wotr/16376>

52. Judy Armstrong

Location: Sugar Run, PA

Gas Facility: Well pads

Exposure: Water- methane, ethane, barium and other harmful substances

Symptoms: Contact dermatitis, gastro-intestinal discomfort, barium poisoning, pain, numbness to face and hands, deformities of the bones of hands, and headache, among other injuries.

<http://www.newsinferno.com/health-concerns/marcellus-shale-gas-driller-named-in-water-contamination-lawsuit/25324>

53. Garland Anderson

Location: Grand Mesa, CO

Gas Facility: Gas wells

Exposure: Dust, air

Symptoms : Unknown, replacement water or relocated

<http://www.csmonitor.com/2004/0308/p01s01-ussc.html>

54. Nancy Pitman

Location: Hunter Mesa, CO

Gas Facility: Dozens of gas wells

Exposure: Air

Symptoms: Unknown, replacement water or relocated

http://www.earthworksaction.org/issues/detail/colorado_health_concerns

<http://www.aspendailynews.com/>

55. George and Lisa Zimmerman

Location: Washington County, PA

Gas Facility: Atlas Energy wells, waste impoundment spill, ignited fumes

Exposure: Air; water- arsenic at 2,600 times acceptable levels, benzene and naphthalene;

Soil - mercury and selenium, ethylbenzene, and trichloroethene

Symptoms: Unknown, replacement water or relocated

<http://www.sourcewatch.org/index.php?title=Fracking>

<http://www.reuters.com/article/2009/11/09/us-fracking-suit-idUSTRE5A80PP20091109>

56. Tommy Boylan

Location: Paradox Valley, CO

Gas Facility: Well pad

Exposure: Air- hydrogen sulfide

Symptoms (human): Nosebleed, lungs burn

<http://www.telluridegateway.com/>

http://www.earthworksaction.org/issues/detail/colorado_health_concerns

57. Doris Van Ness

Location: Paradox valley, CO

Gas Facility: Venting gas wells

Exposure: Air- hydrogen sulfide

Symptoms: Treated for exposure

http://www.earthworksaction.org/issues/detail/colorado_health_concerns

"regulators received complaints from "several individuals" about irritated eyes, nosebleeds and respiratory difficulties."

58. Lisa Bracken and father

Location: Silt, TX

Gas Facility: Encana wells

Exposure: Water - methane, propane, butane, ethane and pentane in West Divide Creek and a neighbor's water well

Symptoms: Father deceased

Symptoms (animal): wildlife death

<http://fromthestyx.wordpress.com/2012/04/30/an-eight-year-cover-up/>

59. Tim and Christine Ruggiero and family

Location: Wise County, TX

Gas Facility: Gas wells

Exposure: Water-methane, as well as sodium and other heavy metals.

Symptoms: Loss of sensation in his extremities, rashes, nausea and memory loss; asthma

http://www.earthworksaction.org/voices/detail/tim_and_christine_ruggiero

60. Mike Bastion

Location: Bradford County, PA

Gas Facility: Well pad, drilling waste disposal area

Exposure: Air, water-methane, as well as sodium and other heavy metals.

Symptoms: Shaking, vomiting, breathing difficulties

<http://www.philadelphiaweekly.com/news-and-opinion/cover-story/Natural-Gas-Drilling-in-PA-Goes-From-Gold-Mine-to-Land-Mine.html?page=2&comments=1&showAll=>

61. Ron Gulla

Location: Washington County, PA

Gas Facility: Gas wells

Exposure: Water-methane

Symptoms (animal): fish dead

<http://www.riverreporter.com/issues/08-04-10/head1-drilling.html>

62. Steve Birchfield

Location: Johnson County, TX

Gas Facility: Gas production

Exposure: Water

Symptoms: Sick, weak

<http://www.rodale.com/natural-gas-drilling?page=0,3>

63. Shirley McNall

Location: Aztec, NM

Gas Facility: 20 gas wells within a mile

Exposure: Air - hydrogen sulfide

Symptoms: Dizziness and nausea, breathing difficulties, headaches, numbness in her lips, muscle weakness

<http://gcmonitor.org/downloads/gassedreport.pdf>

<http://www.nrdc.org/land/use/drilling/photoessay/4.html>

<http://www.durangotelegraph.com/telegraph.php?inc=/08-07-24/quick.htm>

64. Chris Velasquez

Location: Blanco, NM

Gas Facility: Compressor Station

Exposure: Air

Symptoms: Soft tissue of nose, throat and mouth irritated, coughing

<http://gcmonitor.org/downloads/gassedreport.pdf>

65. Jeri L. Montgomery and husband

Location: La Plata County, CO

Gas Facility: Gas production

Exposure: Air

Symptoms: (human, animal): respiratory and other health related problems

<http://gcmonitor.org/article.php?id=1339>

66. Dave Devanney

Location: Battlement Mesa, CO

Gas Facility: 10 drilling pads and hundreds of wells, some as close as 400 feet

Exposure: Air

Symptoms: Ranging from burning eyes to breathing problems.

<http://gcmonitor.org/article.php?id=1078>

67. Lloyd Burgess

Location: TX

Gas Facility: Compressor station

Exposure: Air

Symptoms (animal): horses- sick, death, neurological defect and blind in both eyes

<http://www.npr.org/templates/story/story.php?storyId=120043996>

68. Charles Morgan

Location: Dish, TX

Gas Facility: Compressor station

Exposure: Air pollution

Symptoms: Constant low frequency roar from the compressors has twice ruptured right ear drum A *neighbor* who lives on the other side of the compressor station confirmed he and his infant daughter also suffered ruptured ear drums.

<http://www.npr.org/templates/story/story.php?storyId=120043996>

#69. Anonymous 38 yr old woman

Location: Gillett, PA

Gas Facility: well

Exposure: Water - barium poisoning

Symptoms: Seizures, tiredness, flu-like symptoms

http://www.youtube.com/watch&feature=player_embedded

70. Sharon Ward (deceased 2011)

Location: Dish, TX

Gas Facility: compressor stations, 130 in the County

Exposure: Air pollution

Symptoms: Unknown, replacement water or relocated

<http://www.npr.org/templates/story/story.php?storyId=120043996>

* Headaches, dizziness, ringing of the ears, and lack of sleep, are symptoms county wide

71. Cathy Behr

Location: Durango, CO

Gas Facility: Clothing soaked in fracking fluid

Exposure: Contact

Symptoms: Skin turned yellow. Vomiting and fluid retention.

Resources: <http://www.scribd.com/doc/75887335/CWA-Health-Workers-Letter-to-GovCuomo-Fracking-2011-12-121>

72. Kenneth Bateman and son

Location: Justin, TX

Gas Facility: compressor station, high pressure pipeline

Exposure: Air pollution; noise

Symptoms: Diabetes, other health ailments

<http://www.elkcapital.net/screamingsilence/voices/bateman.html>

73. Rick Roles

Location: Rifle, CO

Gas Facility: Three disposal pits near his home.

Exposure: Food from his garden, his goat milk

Symptoms: Swelling of the hands, numbness and body pain;

Symptoms (animal): Stillborn goats

http://www.alternet.org/food/147634/fracking_with_food:_how_the_natural_gas_industry_poisons_cows_and_crops/?page=3

74. Ronald Carter

Location: Dimock, PA

Gas Facility: Gas wells

Exposure: Water-methane

Symptoms: Unknown, replacement water or relocated

<http://www.propublica.org/article/water-problems-from-drilling-are-more-frequent-than-officials-said-731>

75. Charles and Dorothy Harper and grandson, Baelee - deceased

Location: Jefferson County, PA

Gas Facility: Snyder Bros. gas wells

Exposure: Air-methane

Symptoms: Death

<http://www.propublica.org/article/water-problems-from-drilling-are-more-frequent-than-officials-said-731>

76. Kim Davis

Location: Southlake, TX

Gas Facility: Gas production

Exposure: Air-twenty-six chemicals, carbon disulfide, benzene and naphthalene, carbonyl sulfide, dimethyl disulfide and Pyridine

Symptoms: Unknown, replacement water or relocated

<http://www.dallasobserver.com/2011-11-24/news/fear-and-fracking-in-southlake/2/>

77. Louis Meeks

Location: Pavillion, Wyoming

Gas Facility: Encana wells and waste ponds, compressor station , high pressure pipeline

Exposure: Water - chloride, iron, glycols

Symptoms: diabetes, lesions, sores and neuropathy and chronic obstructive pulmonary disease, and Donna has endured eight operations for polyps in her lungs

Symptoms(animal) two horses dead

http://www.hcn.org/issues/43.11/hydrofracked-one-mans-quest-for-answers-about-natural-gas-drilling/print_view

<http://www.counterpunch.org/2011/03/25/fracking-the-wind-river-country/>

#78. Jeannie and Carol Moten

Location: PA

Gas Facility: Gas well

Exposure: Air; water

Symptoms: Skin lesions, hippuric acid, phenol, mandelic acid in urine

<http://www.latimes.com/news/nationworld/nation/la-na-adv-fracking-doctors-20120422,0,6338613.story>

<http://www.dcbureau.org/tag/southwest-pennsylvania-environmental-health-project>

*Carol Moten and her *neighbors* noticed that their well water began to smell. Then came the headaches, skin lesions, and diarrhea, in household after household. A two-year-old dog fell over dead.

79. Chester and Edith Slesinger

Location: Cambria County, PA

Gas Facility: T&F Exploration L.P well was drilled 2500 feet from their property.

Exposure: Water - barium and chloride

Symptoms: Unknown, replacement water or relocated

<http://stateimpact.npr.org/pennsylvania/2011/07/12/western-pa-couple-sues-gas-driller/>

80. Yvonne Shafer

Location: Bradford County, PA

Gas Facility: Aiello propane stripping plant, pumping station

Exposure: Air

Symptoms: Headaches

http://www.onondaganation.org/news/2010/hydro_penn.pdf

81. Dave Bailey

Location: Bradford County, PA

Gas Facility: Aiello Brothers gas wells

Exposure: Water

Symptoms: Rashes and burns

<http://voicesweb.org/node/3905>

82. Warren and Rebekah Sheffield and family

Location: Dish, TX

Gas Facility: Compressor station

Exposure: Air

Symptoms: Sick, multiple chemical sensitivity, vertigo; children easily winded , vomiting, hives, itchy skin, nosebleeds, seizure

<http://www.dentonrc.com/local-news/special-projects/gas-well-drilling-headlines/20110328-atmosphere-of-concern.ece>

83. Chuck and Geri Pegg

Location: Dish, TX

Gas Facility: Few hundred feet northeast of large compressor

Exposure: Air-benzene, carbon disulfide, a neurotoxin.

Symptoms: Unknown, replacement water or relocated

<http://www.dentonrc.com/local-news/special-projects/gas-well-drilling-headlines/20110328-atmosphere-of-concern.ece>

84. Jim and Judy Caplinger

Location: Dish, TX

Gas Facility: Compressor station

Exposure: Air- noxious fumes

Symptoms: Unknown, replacement water or relocated

<http://www.dentonrc.com/local-news/special-projects/gas-well-drilling-headlines/20110328-atmosphere-of-concern.ece>

85. Steve Lipsky

Location : Parker County, TX

Gas Facility: Wells, fracking under home

Exposure: Water-methane

Symptoms: Fatigued and nauseated

<http://www.dallasobserver.com/2012-04-26/news/fire-in-the-hole/>

86. Cecil and Tyler Williams

Location : Caddo Parrish, LA

Gas Facility: Chesapeake spill

Exposure: oil, water; Elevated chlorides, oil and grease, organic compounds in soil and water tests.

Symptoms(animal): 17 dead cows

<http://shaleshock.org/2009/08/hours-passed-before-cow-deaths-reported/>

87. Rhonda and Jeff Locker

Location: Pavillion, WY

Gas Facility: Gas well

Exposure: Water

Symptoms: Rhonda - crippling neuropathy

http://www.hcn.org/issues/43.11/hydrofracked-one-mans-quest-for-answers-about-natural-gas-drilling/print_view

<http://www.counterpunch.org/2011/03/25/fracking-the-wind-river-country/>

88. John and Cathy Fenton

Location: Pavillion, WY

Gas Facility: Gas wells

Exposure: Air, water- petroleum compounds

Symptoms Cathy and her mother -loss sense of taste and smell, son

developed epilepsy, John- headaches and chronic fatigue

<http://www.counterpunch.org/2011/03/25/fracking-the-wind-river-country/>

89. Craig and Julie Sautner and daughter

Location: Dimock, PA

Gas Facility: Cabot gas wells

Exposure: Water- methane

Symptoms: Headaches and dizziness, sores

https://dontfractureillinois.org/Other_communities.html

90. Kelly Gant

Location: Bartonville, TX

Gas Facility: Compressor station and a gas well near house

Exposure: Air

Symptoms: Severe asthma attacks, dizzy spells and headaches

https://dontfractureillinois.org/Other_communities.html

91. Ned Prather

Location: DeBeque, CO

Gas Facility: Eighteen wells are located within 3,000 feet
Exposure: Water-benzene, toluene, ethylbenzine and xylene
Symptoms: Tremors, burning throat, stomach ache
http://www.denverpost.com/ci_13535728

#92.Scott Ely

Location: Susquehanna County. PA
Gas Facility: Within a couple miles of 9 active wells
Exposure: Water- arsenic, manganese, aluminum, iron, and lead
Symptoms: Unknown, replacement water or relocated
[http://www.alternet.org/story/153417/air too dangerous to breathe%3A how gas drilling can turn r
ural communities into industrial wastelands %5Bwith photos%5D?akid=7995.223302.8wz34u&rd=1&t
=2](http://www.alternet.org/story/153417/air_too_dangerous_to_breathe%3A_how_gas_drilling_can_turn_rural_communities_into_industrial_wastelands_%5Bwith_photos%5D?akid=7995.223302.8wz34u&rd=1&t=2)

93.Jane Lynn

Location: Arlington, TX
Gas Facility: Chesapeake natural gas well
Exposure: Air
Symptoms : Uncontrolled coughing, heart palpitations, burning noses & eyes
<http://durangotexas.blogspot.com/2011/04/residents-gassed-during-last-nights.html>
[http://www.earthworksaction.org/media/detail/arlington residents challenge chesapeake energy to p
rove they are releasing](http://www.earthworksaction.org/media/detail/arlington_residents_challenge_chesapeake_energy_to_prove_they_are_releasing)

94.Donald Allison (deceased)

Location: Southwest, PA
Gas Facility: Gas wells
Exposure: Water, air
Symptoms: Skin infections, cancer death age 46
[http://www.dcbureau.org/201203097069/natural-resources-news-service/cuomo-and-corbett-ignore-
health-concerns-from-gas-fracking.html#more-7069](http://www.dcbureau.org/201203097069/natural-resources-news-service/cuomo-and-corbett-ignore-health-concerns-from-gas-fracking.html#more-7069)

95. Emile Alexander

Location: Washington County, PA
Gas Facility: Gas wells
Exposure: Water-methane
Symptoms: Unknown, replacement water or relocated
[http://www.propublica.org/article/deteriorating-oil-and-gas-wells-threaten-drinking-water-homes-across-
the-co](http://www.propublica.org/article/deteriorating-oil-and-gas-wells-threaten-drinking-water-homes-across-the-co)

96. Joyce Mitchell

Location: Hickory, PA
Gas Facility: Range resources, gas wells
Exposure: Air-constant smell of gas
Symptoms: Unknown, replacement water or relocated
[http://uk.reuters.com/article/2009/02/25/us-energy-marcellus-
idUKTRE5103L620090225?pageNumber=2](http://uk.reuters.com/article/2009/02/25/us-energy-marcellus-idUKTRE5103L620090225?pageNumber=2)

97.Clint Yates, 99. Stever Hilyer

Location: Gibbs Hill, PA
Gas Facility: Seneca gas well
Exposure: Water- high levels of barium and manganese and total dissolved solids
Symptoms: burning sensation, headache, or difficulty with sinuses after consuming the water or showering
Two other homeowners reported that drilling operations caused their "private water supply" to dry

Exposure: Air

Symptoms: Illness "health has been ruined "

<http://blog.uta.edu/sustainability/2008/04/02/arlington-woman-claims-drill-rig-causes-sickness/>
<http://oilandgasinnorthernmichigan.blogspot.com/>

108. Class action suit

Location: Roane County, WV

Gas Facility: Columbia pipeline

Exposure: Soil contaminated benzene and xylene

Symptoms: Unknown, replacement water or relocated

http://www.spectraenergywatch.com/blog/?page_id=92&paged=2

125. Class action suit, 17 families

Location: Susquehanna County, PA

Gas Facility: Southwestern Energy production facility

Exposure: Exposed to such hazardous gases, chemicals, and industrial wastes and caused damage to the natural resources of the environment in and around the Plaintiffs' properties, causing Plaintiffs to incur health injuries, loss of use and enjoyment of their property, loss of quality of life, emotional distress, and other damages.

Symptoms: illness, neurological symptoms

<https://docs.google.com/viewer?a=v&q=cache:Wd3DkcCZM8UJ:graphics8.nytimes.com/images/blogs/greeninc/complaint.pdf+&hl=en&gl=us&pid=bl&srcid=ADGEEsgdbTfrqtpSu17Q3lg8gO3AOv9T8sEvGnranZFZkCFaZS5IFv-tpT8i4ZTz0UISWBI8o3ziWOfhKJfklrxfSNx2T3wF0S58gYAx7dqIsqMIUVqnm3bB41VqBQPnDyUVJu7xd&sig=AHIEtbt4E15XNB4Ndibx9qlzpZk8rgxtbw>

126. Jose Lara, (deceased- age 42)

Location: Grand Junction, CO

Gas Facility: waste water tanks

Exposure: air, contact

Symptoms: pancreatic and liver cancer, death

<http://dallasdrilling.wordpress.com/2011/08/15/hydrogen-sulfide-may-have-killed-gas-drilling-worker/>

127. Norma Fiorentino

Location: Dimock, PA

Gas Facility: Gas wells

Exposure: Water-methane

Symptoms: Unknown, replacement water or relocated

<http://www.propublica.org/article/water-problems-from-drilling-are-more-frequent-than-officials-said-731>

128. Aimee Ellsworth

Location: Ft. Lupton, CO

Gas Facility: Gas wells

Exposure: Water-methane

Symptoms: Unknown, replacement water or relocated

http://www.cbsnews.com/2100-201_162-4879509.html

128. Doug and Diana Harris

Location: Denton County, TX

Gas Facility: Devon Energy gas production

Exposure: Water-high levels of metals: aluminum, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, lithium, magnesium, manganese, nickel, potassium, sodium, strontium, titanium, vanadium

http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&ved=OCDoQFjAD&url=http%3A%2F%2Fwww.energyindepth.org%2Fwp-content%2Fuploads%2F2009%2F10%2F09-September-EPA-Hydraulic-Fracturing-Report-of-Preliminary-Analysis-of-Reported-Contamination-.pdf&ei=0ycT7vcKcbEgQexgZ3oDg&usg=AFQjCNGZVO947oTO74jFWehSVxT2FWc3dg&sig2=fuihT_bPP8KnxvkwC_WR7g

100. Norm Anderson

Location: LaSalle, CO

Gas Facility: Encana well

Exposure: water- Toluene, methane

Symptoms: Unknown, replacement water or relocated

<http://www.savecoloradofromfracking.org/harm/waterquality.html>

101. James and Karla Levy

Location: Bedford County, PA

Gas Facility: Spectra Energy Steckman Ridge storage field, pipelines, compressor stations

Exposure: Water- methane

Symptoms: Unknown, replacement water or relocated

http://www.spectraenergywatch.com/blog/?page_id=92&paged=2

102. Brian Beadle

Location: Hill County, TX

Gas Facility: Williams' gas wells

Exposure: Water- sulfates, toluene

Symptoms (animal): Goats, llama- swelling, death

<http://archive.fweekly.com/content.asp?article=6885>

103. Beth and Bill Strudley and sons

Location: Garfield County, CO

Gas Facility: Antero Resources gas well

Exposure: Water, air

Symptoms: Rashes, nosebleeds, blackouts

drilling by the Anschutz Exploration Corp. in New York contaminated the drinking water of *nine families*.

<http://www.postindependent.com/article/20110104/VALLEYNEWS/110109981>

<http://savethewatertable.org/2011/03/colorado-family-sues-oil-and-gas-drilling-firms/>

105, 104. John Sayers, Stevan and Charlotte Harris

Location: Hill County, TX

Gas Facility: Williams' gas wells

Exposure: Water- sulfates, toluene, hydrocarbons

Symptoms: Unknown, replacement water or relocated

<http://archive.fweekly.com/content.asp?article=6885>

106. Mel and Connie King

Location: Clark, WY

Gas Facility: Windsor Energy gas well blowout

Exposure: Water- benzene

Symptoms: Unknown, replacement water or relocated

http://trib.com/news/breaking/timeline-for-cleanup-from-clark-gas-well-blowout-accelerated/article_b86afdb7-38e1-55df-972f-341122197a5f.html

107. Jaime Long

Location: Northern Michigan

Gas Facility: Offloading facility of sour gas

Symptoms: Emotional harm and mental anguish, loss of peace of mind, anxiety, and their bodies have been physically injured

https://docs.google.com/viewer?a=v&q=cache:A5v6WzCWFLsl:press.wturley.com/Harris%2520v.%2520Devon%2520Energy.pdf+%&hl=en&gl=us&pid=bl&srcid=ADGEE5ickmPV6cVx_ ihmctJfgSvEmM7YfJSLgm48mUKn- byfUluunRLuEglDW5rNjtGkx4JCzXGZnjnzPaR6NBzb-SkAiA1ew8QolwS0EywiLW9jHovJ1rrg06yLEnp164ycN565hCk&sig=AHIEtbTBhDjnA5UCHGqEJrGiBun3LTUuBA

129. Grace Mitchell

Location: Johnson County, TX

Gas Facility: Chesapeake Energy gas production

Exposure: Water

Symptoms: Unknown, replacement water or relocated

<http://dfw.cbslocal.com/2010/12/15/north-texas-residents-lawsuits-claim-gas-drilling-contaminated-water/>

130. Jim and Linda Scoma

Location: Johnson County, TX

Gas Facility: Chesapeake Energy gas production

Exposure: Water

Symptoms: Unknown, replacement water or relocated

<http://dfw.cbslocal.com/2010/12/15/north-texas-residents-lawsuits-claim-gas-drilling-contaminated-water/>

131. John and Jayme Sizelove

Location: Denton County, TX

Gas Facility: William's drilling operations and compressor stations

Exposure: Air

Symptoms: headaches, respiratory problems, and other symptoms.

<http://earthjustice.org/features/campaigns/fracking-damage-cases-and-industry-secrecy>

132. David and Tara Dillon

Location: Washington County, PA

Gas Facility: Antero Resources Appalachian Corp. wells and spills

Exposure: Water

Symptoms: Unknown, replacement water or relocated

<http://www.istockanalyst.com/business/news/5356368/families-file-suits-against-drillers>

133. Paul and Yvonne Becka

Location: Washington County, PA

Gas Facility: Antero Resources Appalachian Corp. wells and spills

Exposure: Water

Symptoms: Unknown, replacement water or relocated

<http://www.istockanalyst.com/business/news/5356368/families-file-suits-against-drillers>

134 - 197. Class action suit, 63 residents

Location: Dimock and Montrose, PA

Gas Facility: Cabot Energy gas production

Exposure: Water - methane and other toxins

Symptoms: Unknown, replacement water or relocated

<http://earthjustice.org/features/campaigns/fracking-damage-cases-and-industry-secrecy>

<http://www.water-contamination-from-shale.com/north-dakota/crews-work-to-staunch-north-dakota-fracking-blow-out/> He also maintained that the Killdeer Aquifer flows less than one foot a day, so it would take **decades for any contamination to reach the community's drinking wells**. If needed, he said the aquifer would be remediated.

Jana DeGrand

March 19, 2012 at 9:05 am Texas <http://www.texassharon.com/2012/03/13/emerging-concern-are-gas-patch-residents-at-greater-risk-of-heart-attack/>

I am almost 1 year out from my heart attack. I was 50, clear arteries, and no blockages when I was flown in for an emergency cath. I had a coronary spasm and was diagnosed with a "rare" condition called Prinzmetal's angina. Apparently cigarette smoke and things like it can cause coronary spasms, which can partially to completely shut down your coronary artery, luckily, mine cleared. Interesting note Sharon, my doctor could not regulate my blood pressure at all in February 2011, changing meds 4 times, hmmm??? I am NE of Argyle Central & the Wright site.

Frustrated in Karnes March 23, 2012 at 3:56 pm <http://www.texassharon.com/2012/03/13/emerging-concern-are-gas-patch-residents-at-greater-risk-of-heart-attack/>

Upsetting for me to read all of these comments. I am in Karnes City, TX. My family and I had been enjoying our life down FM 99 until Marathon Oil Co. arrived. We to have headaches, my doctor is still trying to control my BP, the dust is so heavy that we sometimes rinse our eyes out, the noise, trash, loss of privacy due to a road on our neighbor's property that she ensured would run beside and behind our home causing us to continually be dusted, the burning gas towers, drilling, shaking of our home, my son gets nosebleeds from dry weather, now they come several times a week, we sneeze, our dogs sneeze, everyday becomes worse!!! We have 24/7 traffic noise and pollution. I wrote the company. Doubt if they'll reply. We no longer wish to live here, inhaling their toxins, but are stuck here. My close neighbor is recovering from cancer and wishes to move, but his mother, recovering from a stroke, says she's too old to move from her long time home. People like us are forced to deal with our lives being destroyed. Has anyone out there written and received a reply from Marathon?

Fish Creek Neighbor March 14, 2012 at 7:57 am

During the drilling, fracking, flowback, and completion phase of the Fulson well in Arlington, TX from December 2010-February 2011, many residents, myself included, were complaining of headaches and extreme fatigue and exhaustion. One neighbor's doctor was baffled because fluid was discovered around her heart. Another neighbor reported that she had a headache that lasted for three weeks, and that prescription meds would not make it go away. That February, around the time they were getting that well into production, there were two known deaths on one street located less than 2,000 feet from that pad site. One was a three-year old boy and the other was a man of about 60. Since I lived through all of this, I know in my gut that drilling activity was the cause of these ill health effects, but to a court, it might appear anecdotal. Unfortunately, big death clusters will have to occur before we can concretely prove all of this. <http://www.texassharon.com/2012/03/13/emerging-concern-are-gas-patch-residents-at-greater-risk-of-heart-attack/>

<http://www.greenchipstocks.com/articles/fracking-fluids-enter-aquifers/1836>

Fracking Fluids Enter Aquifers

<http://thedailyreview.com/news/residents-dozens-of-wells-in-bradford-county-have-been-contaminated-1.1129833> Towanda resident Diane Siegmund, who has been a local activist on environmental issues, and Sheshequin Township resident Carol French told the commissioners that between **70 to 100 households in Bradford County** have had their water wells contaminated by gas drilling.

Safeguards Are Not Preventing Contamination From Injected Oil and Gas Wastes <http://www.gao.gov/products/RCED-89-97>

there were 206 spills in Colorado connected to or suspected in 48 cases of water contamination. Since 2003, there have been around **300 cases**. Posted 1/2011

Read more: Fears of tainted water well up in western Colorado - The Denver Post
http://www.denverpost.com/ci_13535728#ixzz1tg5FCfE1

in the Woodlands community, 30 miles north of Pittsburgh. People in ***at least 10 households*** have complained of suddenly discolored and smelly water and unexplained illnesses... <http://www.ohio.com/news/break-news/pennsylvania-gas-wells-had-casing-failures-in-water-pollution-complaint-area-1.267202>

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