

Public Health Perceptions & Concerns in Fracking

Lily Fullmer

Undergraduate Student

Utah State University

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Sophie Hancey

Undergraduate Student

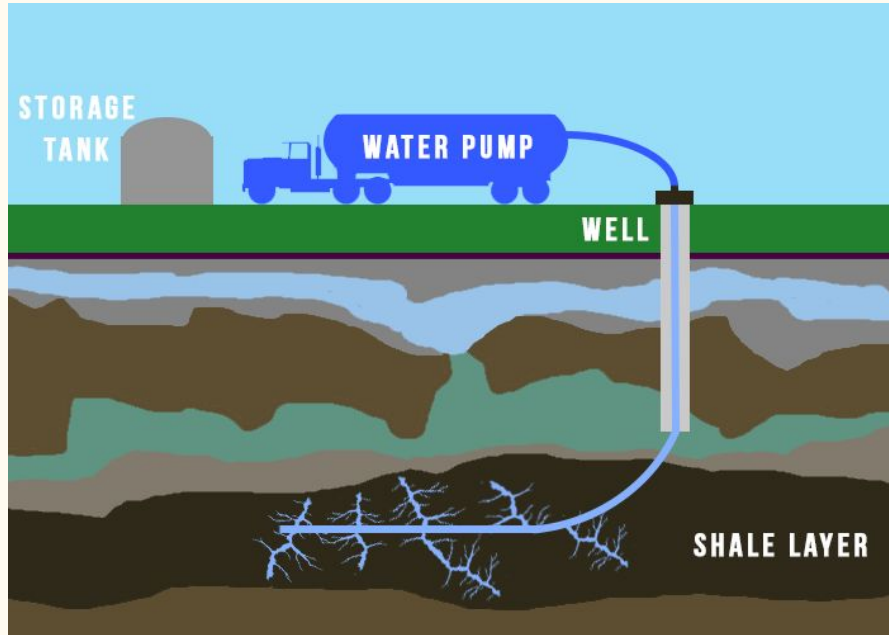
Utah State University

Mehmet Soyer, PhD

Sociology at Utah State

University

Hydraulic Fracturing



Hydraulic fracturing, also known as ‘fracking’, is a unique way of extracting oil and gas from existing reserves. These reserves are first drilled using instruments such as gravimeters, then hydraulic fracturing techniques use fluid and other materials to create fractures in the formation. This then creates more access to bigger gas reserves that were unreachable before (Ladd, 2013).

Denton, Texas

- ❑ A very fun and active town in the heart of Texas that is known for its' 2 Universities, music, culture, and ethnic diversity.
- ❑ Hydraulic Fracturing is what ended up slinging Denton into the spotlight
- ❑ The local election on November 4th, 2014 lead to Denton becoming the first city in Texas to ban fracking.
- ❑ Home to famous anti-fracking group Frack Free Denton

What is the public
perception of public
health impacts of
fracking in Denton?

Literature Review

We were able to use secondary research from articles published between 2013 and 2018 to help answer our research question on public health concerns involving local fracturing in Denton Texas. Through using secondary research from other places in the United States where hydraulic fracturing occurs as well; we were able to collect data on how people all over experience fracking, and how it affects their local and personal health.



Environmental Impact Concerns

- ❑ Water contamination
 - Gabrys, Jennifer. (2017)
- ❑ Pollution/air quality
 - Gabrys, Jennifer. (2017)
- ❑ Greenhouse gasses

Health Concerns

- ❑ Cancer - leukemia
 - ❑ Throat and vocal chords
 - ❑ Asthma
 - Soyer, Mehmet, Ziyanak, Sebahatin, (2018).
 - ❑ Mostly unsure
 - *Davis, C & Fisk, J. M. (2014)*
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The Public Taking Control: Anti Fracking Groups

- ❑ Local Anti-Fracking Action Groups
 - ❑ Movement for policy changes
 - ❑ Land owners taking a stand against
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Conclusion

- ❑ We are an ever-expanding planet, but are looking into alternative methods
- ❑ Do the Benefits outweigh the costs?
- ❑ Major environmental tolls, life changing conditions, life changing illnesses, as well as overall dangerous living conditions
- ❑ People would rather feel safe and empowered in their own town

References:

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