

Oil and Gas Ordinance

Katherine Friedman <kfriedma@me.com>

Mon 7/23/2018 5:16 PM

To: Public Comment <PublicComment@sandovalcountynm.gov>;

I am writing to request that you accept an Oil and Gas ordinance that requires careful regulation of exploration and drilling in the Albuquerque basin. I know that the revenue from Oil and Gas is important to the state of New Mexico but it is even more important to protect the air and water of the people who live here, neither of which we can survive without. Unregulated wells endanger our very existence. To save money, Oil Companies may want to use some short cuts, especially when they have to deal with the complicated geology of Sandoval County. We cannot afford to allow this.

Please do your job of protecting the people of Sandoval County by adopting a fair ordinance that provides us with the critical controls that protect our air and water.

Sincerely,
Kathy Friedman
Placitas

CWG ordinance

Grayce Schor <graycewschor@gmail.com>

Mon 7/23/2018 5:48 PM

To: Public Comment <PublicComment@sandovalcountynm.gov>;

Dear Commissioners,

As a resident of Sandoval County living in Placitas I have witnessed the slow but encouraging process with which you are considering Oil and Gas production in the Albuquerque basin. I along with my husband, Bruce, urge you to wait for all of the concerned citizen ordinances especially the CWG ordinance to be submitted before any actions are taken. Thank you very much!

Grayce Schor

Bruce Schor

Sent from my iPhone

Planning and Zoning meeting

Laura Vanoni <lvanoni@sandiapueblo.nsn.us>

Wed 7/25/2018 2:40 PM

To: Public Comment <PublicComment@sandovalcountynm.gov>;

Good afternoon,

This email is in response to the notification regarding the Comprehensive Zoning Ordinance Revision, Section 10D.13. There are several issues with the proposed ordinance drafts that I would like to address and would like an explanation from the Sandoval County P&Z Division and the County Commissioners:

1. According to the US Geological Survey, the amount of water used to fracture the horizontal wells listed below averages 5.3 million gallons per well. Where do you propose they acquire the water to conduct the drilling efforts? Our county and state are in a drought situation. The town of Barnhart, Texas ran out of water, and it was attributed to drilling activities. Please advise.
 - a. Marcellus Shale, Pennsylvania, 4.5 million gallons (Risser, 2012, [USGS Public Lecture, "Shale gas, Hydraulic Fracturing, and Induced Earthquakes"](#))
 - b. Wattenburg Sandstone, Colorado, 2.7 million gallons (Goodwin and others, 2012, Oil and Gas Journal)
 - c. Barnett Shale, Texas, 2.8 million gallons (Nicot and Scanlon, 2012, Environmental Science and Technology)
 - d. Eagle Ford Shale, Texas, 4.3 million gallons (Nicot and Scanlon, 2012, Environmental Science and Technology)
 - e. Haynesville Shale, Texas, 5.7 million gallons (Nicot and Scanlon, 2012, Environmental Science and Technology)
 - f. Bakken Formation, North Dakota, 1.5 million gallons (S. Haines, 2012, USGS personal communication)
 - g. Horn River Shale, British Columbia, Canada, 15.8 million gallons (Horn River Basin Producers Group, 2010).
2. There is an MOU to explore wastewater reuse options between the EPA and the State of New Mexico. The MOU calls for a whitepaper, which could feasibly take years to complete, much less implement. While this MOU is a step, what does the County propose the drilling companies will do with the wastewater in the interim?
3. If there is not an option to inject wastewater back into the well, how does the County propose to handle all of the wastewater sludge?
4. There was discussion at the County Commissioners' meeting from the drilling company regarding the problems with old casing and leakage into the aquifer. The drilling company representative explained that these would all be new wells, so that would not be a problem. The question to you is: eventually, these new wells will become old wells, wouldn't the casing leakage present a problem for the future for our aquifers? Please advise.
5. Another large area of concern is the effects of hydraulic fracturing as they relate to earthquakes. According to the USGS, *wastewater produced by wells during the hydraulic fracturing process can cause "induced" earthquakes when it is injected into deep wastewater wells. Wastewater disposal wells operate for longer durations and inject much more fluid than the hydraulic fracturing operations. Wastewater injection can raise pressure levels in the rock formation over much longer periods of time and over larger areas than hydraulic fracturing does. Hence, wastewater injection is much more likely to induce earthquakes than hydraulic fracturing.* Please address this.
6. Finally, there was an argument at the Commissioner's meeting that rather than the large amounts of vertical wells, one horizontal well could cover 1600 acres, reducing the amount of surface footprint. While this argument does make sense at the surface level, what will be the mechanism to ensure mineral rights are protected? The area of concern for unconventional drilling (the Albuquerque basin) is directly below the Pueblo of Sandia and the Rio Grande River. Please advise.

I will be in attendance at the P&Z meeting and would appreciate addressing these concerns.

Sincerely,

Laura Vanoni, Pueblo Planner
Pueblo of Sandia

7/27/2018

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Oil and Gas Comment

Laura Robbins <laura@laurarobbinsmosaics.com>

Thu 7/26/2018 8:16 AM

To: Public Comment <PublicComment@sandovalcountynm.gov>;

To whom it may concern,

I greatly appreciate the thoughtful and detailed work submitted to the SC Commission by concerned citizens as well as Planning and Zoning Commissioners. I ask that you please wait to make your decisions until all information is submitted, including the Citizen Work Group Ordinance Team Draft Oil and Gas Ordinance. All the findings will add significantly to the NM Tech report.

I believe it is imperative that the concerns and experiences of the Native American Tribes and *all* people who will be affected (those of small communities as well as representatives of dense populations) be valued and acknowledged.

No matter the population, all Sandoval County citizens must be notified re oil and gas production and have opportunities to review policies and give input to actions that will affect them and their communities.

Common sense dictates that our water and health must be protected.

Thank you,
Laura Robbins

By imagination, knowledge is carried to the heart. Wendell Berry

Laura Robbins
laura@laurarobbinsmosaics.com