

Patricia Delmott
1605 Prairie St
Emporia, KS 66801
April 2, 2017

KCC WICHITA

APR 10 2017

RECEIVED

Rene Stuckey
UIC-Production Dept
Kansas Corporation Commission
266 North Main St., Suite 220
Wichita, KS 67202

Dear Mr. Stuckey,

I would like to submit my protest to the application by the Quail Oil and Gas LC for a permit to authorize injection of salt water in Morris County Kansas.

Citizens of Emporia Kansas have felt several earthquakes in the past few years from injection wells in Oklahoma. In an article, *Earthquake Jolts Emporia*, published September 6, 2016, we felt the 5.6 magnitude earthquake that occurred northwest of Pawnee, OK, and it was felt as far away as Memphis TN and Chicago IL. The article reported cracked walls and siding, and buckled driveways in Emporia. Pawnee is approximately 148 miles from Emporia. Emporia is in Lyon County, adjacent to Morris County Kansas, and damage from earthquakes would be more severe the closer to the epicenter as we would be. (Emporia Gazette article:

http://www.emporiagazette.com/latest_news_and_features/article_7dae73c1-62d2-5164-9028-0b10eccf4231.html)

From the US Geological Survey, "Wastewater disposal is the primary cause of the recent increase in earthquakes in the central United States." They also state that while not all injection wells cause earthquakes, factors that do lead to earthquakes include 1) injection rate and volume injected, 2) the presence of faults, among other things. This well would be too close to the Nemaha Ridge and Humboldt Fault zones. (source: <https://earthquake.usgs.gov/research/induced/myths.php>)

I am also concerned about polluting the environment with salt water and other contaminants. Many people in this area use wells for their personal use as well as for livestock and irrigation for crops. There are also many reservoirs in the area to protect, and it would be a shame to pollute Kansas's only Tallgrass Prairie National Preserve.

Earthquakes also cause damage to buildings, including old historical buildings, aging roads and bridges, water and gas lines and all infrastructure, causing extra expense for our already financially burdened state, county and local governments. Even worse than that would be potential damage to the Wolf Creek Nuclear plant.

According to an article in the March 28, 2017 Emporia Gazette entitled *Injection Well Q&A*, the benefits of injection wells are for the oil and gas companies to save money by injecting salt water and other contaminants into the earth rather than recycling. (Emporia Gazette article:

http://www.emporiagazette.com/news/article_01e761a4-745a-5a66-9b4b-2d67adce2a24.html)

I request that the KCC reject all applications for injection wells anywhere near the Nemaha Ridge and Humboldt Fault zones. I have an Earthquake Alert app on my phone, and weekly, if not daily, it reports earthquakes in Oklahoma. Please don't let my app show multiple earthquakes from Morris County, Kansas. Protect our ground water, rivers and lakes needed for human, livestock and crops, and our aging infrastructure. The profit for oil and gas at the expense of our health and safety is not worth it. The Nemaha Ridge and Humboldt Fault zone is no place to put injection wells.

Respectfully,

A handwritten signature in black ink that reads "Patricia Delmott". The script is cursive and fluid, with the first name "Patricia" written in a larger, more prominent hand than the last name "Delmott".

Patricia Delmott