Oil, gas & Other Regulated Wells in New York.

To provide a comprehensive visualization of the distribution and regulation of oil, gas & other wells across New York.

New York State Department of Environmental Conservation April 2023

New York has a long history of monitoring and regulating oil and gas drilling operations. New York has significant reserves of natural gas located in Marcellus Shale formation. This has been a debate and controversy in New York due to concerns of environmental impact.

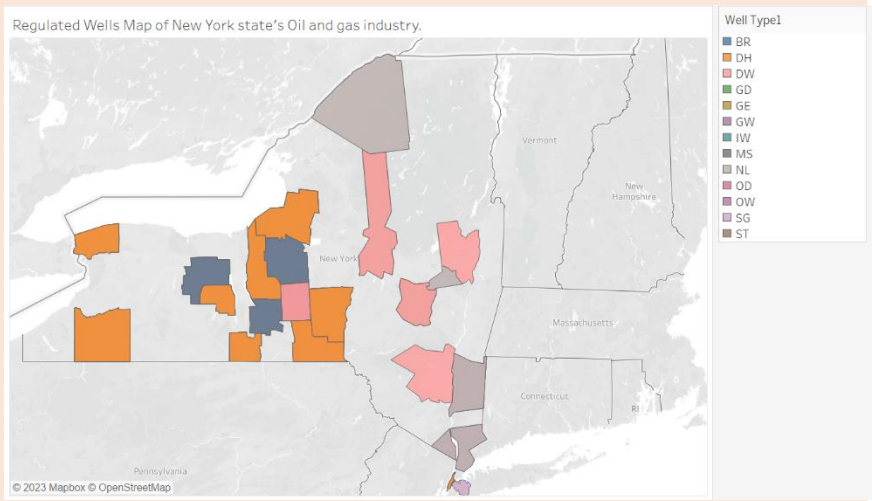
Through this analysis, the majority of the wells in New York are located in Central part of the state.

Further exploration revealed that decreasing trend in the number of wells and their production levels over the years. Interestingly, Oil production has been declining steadily over decade while gas production has been increasing.

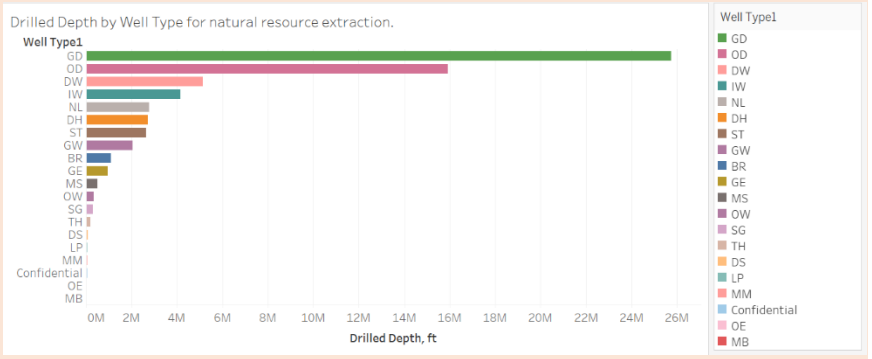
The well types are generally classified into two types.

- Conventional
- Un-conventional

In general, Unconventional well types are drilled deeper, and Conventional well types are drilled closer to the surface as the natural resources are available closer to the surface.



The Map is based on Longitude(generated) and Latitude(generated). The colors display the highest concentration of wells across New York. The data is filtered by well types used for extracting natural resources. The view is filtered on state, which hightlights only New York.



Well types vs. Drilled depth. Colors represent different well types used for extracting oil and gases. New York filters the state.

Cautions:

While the analysis focused on well types, drilled depth, and production levels, it is important to consider the potential environment impact of the oil and gas industry.

The oil and gas industry is heavily regulated, and changes to regulations could impact the findings of this analysis. It is essential to monitor any regulation changes and consider the impact on the study.

While efforts were made to ensure the accuracy of the data, there may be limitations and gaps in the data that could impact the analysis.