Merits And Demerits On 10 Year Moratorium On Hydraulic Fracturing In Nova Scotia

Introduction

First let us discuss what is hydraulic fracturing?

well to say it in simple word's it is a procedure to crack rock by introducing an under pressure fluid . The technique engages soaring forced booster of fracking fluid into a wellbore to break the deep rocks to make the flow of petroleum and other natural gas easily. When this hydraulic fracture is removed from the well there will be a presence of these proppants in the opening of the fracture.

Due to the effective method of hydraulic fracturing, it is used in nova scotia some of the photos of hydraulic fracturing in nova scotia is given below.

This is a graph that shows the working principle of hydraulic fracturing.

[image: Image result for images of hydraulic fracturing in nova scotia]

Due to the public health concern, the government of Nova Scotia adapt a go-slow approach with the technique. Hydraulic fracturing will be a reason for unconventional oil and gas extraction that is dangerous to the public. It will contaminate the groundwater, there will be an increased amount of air pollution and the most common problem the increased amount of greenhouse gas.

There is a lot of merits and demerits of hydraulic fracturing

let's talk about the merits first,

- It is an effective method to recover the recently deposited oil and natural gas.
- It lowers the price of gas and oil due to easy availability
- natural energy is a clean source of energy so it will improve the air value
- increase job opportunities
- reduce the importing of gas from other places

Now let's talk about the demerits,

- It will make hydrogen release
- Increase the greenhouse gas
- contaminate ground water
- creates earthquakes

In Nova Scotia, this procedure is banned 10 years before due to public demand. it is banned due to the studies conducted in 2004, In the studies, it says that it creates a good amount of groundwater contamination.

Economy

It increases the economy by giving job opportunities, there will be wide job opportunities in hydraulic fracturing areas and this will be an opportunity for both skilled and non-skilled labours, this will also increase the income of the society and the price of the land will also increase. There will be a huge profit increase to the chemical industry due to the chemical demands in hydraulic fracturing.

Environment

It has a negative impact on the environment than a positive impact.

Positive

it will increase the quality of air as natural gas is clean one

There will be a less amount of loss of water

Negative

· To conduct this procedure land is required and this will lead to deforestation and due to this many of the animals and birds will lose their home and habitats, it will cut down many of trees due to this the absorption of carbon dioxide by trees will be reduced moreover that it will destroy the microorganism which enriches the soil.

- Absorption of contaminated water will make us ill,
- it will make some seismic events and this can cause earthquakes and it can be dangerous or may not be dangerous.
- it will produce heavy noise while operating the machines and this can affect older people some of them can get a heart attack and some of them can get ear problems it also can affect the eardrum of the workers who work in the site.

Climate change

- Due to deforestation and the increased amount of greenhouse gas it is seen that the temperature of earth is increasing 2 degree Celsius per year
- The changing ecosystem will leads to climate change
- The released hydrocarbon and aluminium oxide will also be responsible for this climate change

Tourism

As this gives wide job opportunity this will attract people of other nations for a better career or to study the working of hydraulic fracturing. The students from a various place for their projects will get to know more about hydraulic fracturing and can understand the positive and negative impact of hydraulic fracturing

Conclusion

In the end of the discussion, we can conclude the paper by saying that the is both positive and negative aspect n every project. It depends on us how it becomes dangerous to the environment and public, If we have the proper equipment and proper safety measures to the dangerous side this project can be a positive one and if not it can turn to a bad one. So according to my conclusion, there will be a remedy for everything and these remedies should be take more carefully.

Reference

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