

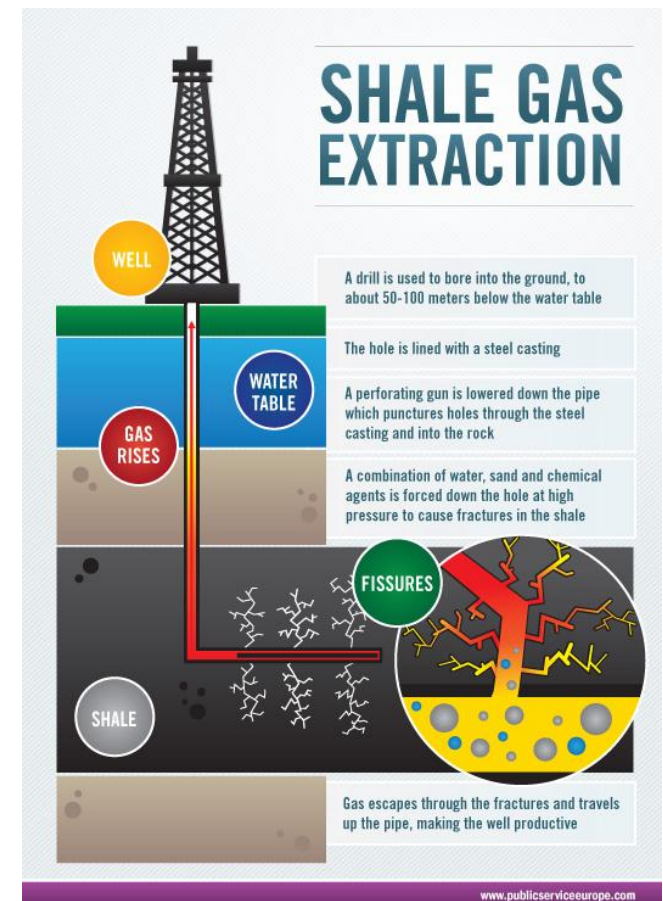


Petroleum Engineering

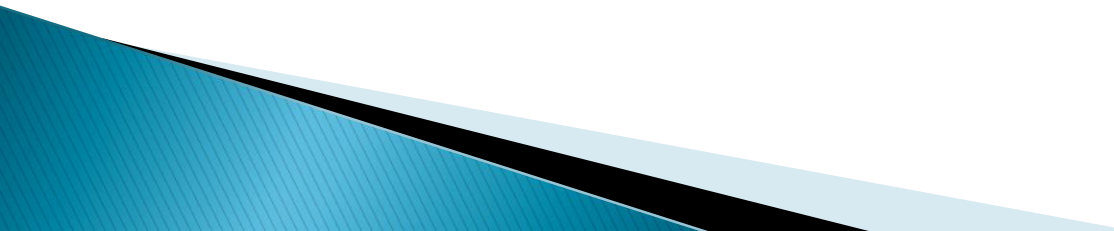
Andrew Toepfer

Education

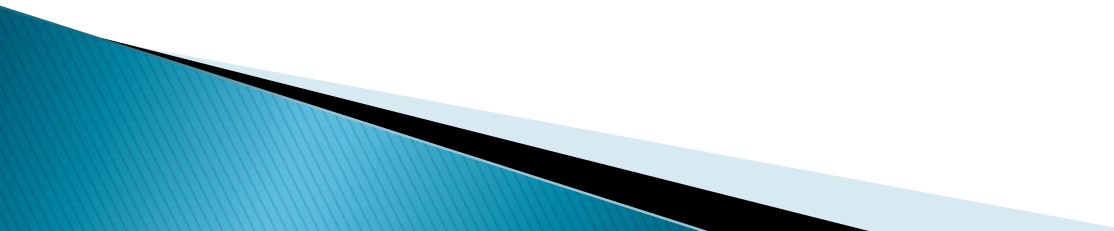
- ▶ To enter the field of Petroleum Engineering, you need at least a bachelors degree, you can get a masters as well. You will end up making more money in the long run if you get a masters.
- ▶ The average salary for a Petroleum Engineer is between \$110,000–\$125,000. With the average salary \$160,000–well over \$200,000.
- ▶ The future outlook looks promising, they are looking for new and inventive ways to extract and to find new sources of oil, and natural gas.



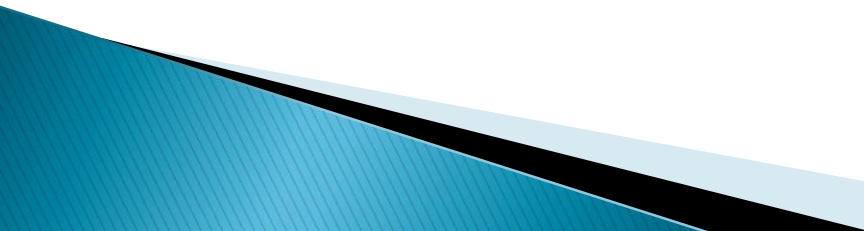
What They Do

- ▶ On a daily basis a Petroleum Engineer will, evaluate potential reservoirs, supervise drilling activities, and design surface collection and treatment facilities.
 - ▶ As a Petroleum Engineer you will use many computers, some of the best in the world.
 - ▶ They also have to come up with new ways to extract crude oil and natural gas from the earth, such as fracking, and getting the oil and natural gas left behind by conventional producing techniques.
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Products

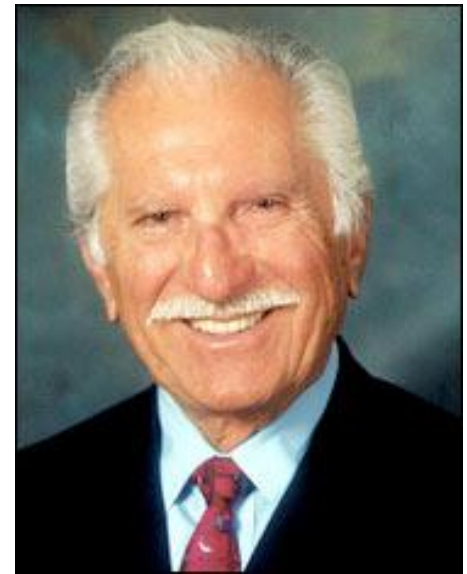
- ▶ As a Petroleum Engineer you will get to see your effect on the world as you go along.
 - ▶ Energy is a key component of everyone's everyday lives. So Petroleum Engineers are needed for problem solving.
 - ▶ You will get to develop new ways to extract materials that the whole world needs.
 - ▶ One accomplishment Petroleum Engineers have made is the further exploration of fracking. Fracking didn't exist until engineers came up with a new way to extract natural gas from the shale rock deep in the earth.
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Products

- ▶ Petroleum Engineers have a future full of opportunities and challenges.
 - ▶ They must develop and apply new technology to recover hydrocarbons from oil shale, and offshore drilling sites.
 - ▶ Since petroleum companies are world wide, Petroleum Engineers will get the opportunity to get assignments all over the world!
 - ▶ They will have to solve technological and political problems while out on these assignments, so the Engineer will have a promising and hopeful career.
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Michel T. Halbouty

- ▶ Michel T. Halbouty was an American geologist, and Petroleum Engineer.
- ▶ Credited for finding over 50 oil and gas fields
- ▶ Declared Bankruptcy twice, but came back both times and returned to wealth.
- ▶ *The New York Times* called him “Legendary”



Anthony F. Lucas

- ▶ Known as the “Father of Petroleum Engineering”
- ▶ In 1901 he discovered the first major oil gusher in Texas.
- ▶ The Lucas gusher produced 80,000–100,000 barrels of oil a day
- ▶ The black gold rush began , and fortunes seekers poured into Texas.



Sources

- ▶ <http://www.croatia.org/crown/articles/10193/1/>
- ▶ http://en.wikipedia.org/wiki/Michel_T._Halbouty
- ▶ <http://www.pge.utexas.edu/about/petroleum>
- ▶ <http://www.google.com/images>