Hydraulic Fracturing Wells 3 MILLION POUNDS OF STEEL AND CEMENT

Well Construction: Safety First

Oil and natural gas wells are constructed to provide a shield between energy production and the environment. To ensure safety, these wells are constructed with redundant layers of steel piping, called CASING, that is cemented into place.

These layers of **STEEL** and **CEMENT** create an effective barrier between energy production and underground water supplies.

Each well requires about **3 MILLION POUNDS**

of steel and cement – the same weight as **37.5** fully-loaded 18 wheelers.



A typical well reaches 6,000 feet or more – **FURTHER THAN A MILE** – below the surface. When HORIZONTAL DRILLING is used, these wells can stretch several thousand feet through the shale formation buried deep below.

Fueling the U.S. Steel Industry

The emergence of new oil and natural gas production in places like Pennsylvania and Ohio has helped revive America's steel industry. For example, a new **\$650 MILLION** steel plant is under construction in Youngstown, OH to produce the tubing used in new oil and gas wells.

3,000

4,000