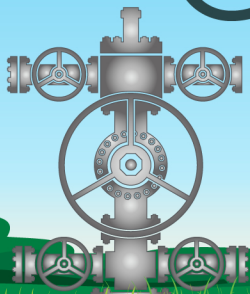


Going a MILE below:

Understanding hydraulic fracturing in the Marcellus



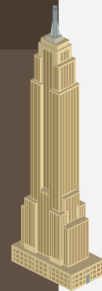
→ Natural gas wells go thousands of feet below the earth's surface and groundwater supplies to free trapped natural gas in shale rock.

Drilling companies use more than 3 million pounds of **STEEL** casing and **CEMENT** to construct wells that typically reach **6,000** feet or more below the surface.

That's equivalent to more than **FOUR** Empire State buildings below or **farther than a mile**.



Groundwater supplies:
200ft
-1K ft below



Empire State Building:
1,464ft below



One mile:
5,280ft below



Gas wells reach:
6,000+ft below

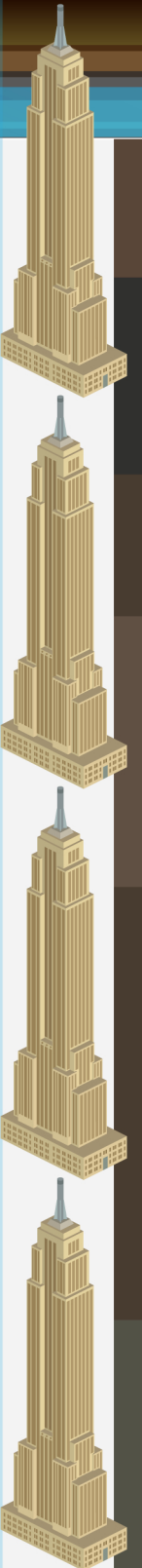
2,000ft

3,000ft

4,000ft

5,000ft

6,000ft



Source: "Hydraulic Fracturing Primer",
The American Petroleum Institute.