Gas Oil Equivalent = GOE

@wikipedia

Non-system unit of natural gas volume:

$$1\ \text{GOE} = \text{Gas Volume [Oil Equivalent]} \ / \ \text{Gas Volume [True]}$$

so that $V_{G,\ \text{oil equiv}} = 1\ \text{GOE} \cdot V_{G,\ \text{true}}$

The most widely used industry convention is 1 GOE = 0.001 so that:

- 1,000 m^3 of gas is equivalent to 1 m^3 of oil
- 1,000 ft^3 is equivalent to 0.1781 bbl of oil
- 5,615 ft^3 is equivalent to 0.1781 bbl of oil

The USGS convention is: 1 GOE = 0.000936 so that:

- 1,000 m^3 of gas is equivalent to 0.936 m^3 of oil
- 1,000 ft^3 is equivalent to 0.0001666 bbl of oil
- 6,000 ft^3 is equivalent to 1 bbl of oil

The U.S. Internal Revenue Service convention is: 1 GOE = 0.0009684 so that:

- 1,000 m^3 of gas is equivalent to 0.9684 m^3 of oil
- 1,000 ft^3 is equivalent to 0.00017248 bbl of oil
- 5,800 ft^3 is equivalent to 1 bbl of oil

See also

Natural Science / Engineering / Measurement / Unit

[Tonne of oil equivalent (TOE)] [Barrel of oil equivalent (BOE)]

[Oil barrel (bbl)]