

Gasflood Recovery = GF

Synonym: [Gasflood Recovery](#) = [Gasflooding](#)

Motivation = maintain formation pressure at sweep interface with gas in case of high water mobility $\frac{k_{rw}}{\mu_w} \gg \frac{k_{ro}}{\mu_o}$ makes waterflood inefficient.

$$(1) \quad E_{Dog} = 1 - \frac{V_{o, LEFT}}{V_{o, INITIAL}} = \frac{1 - s_{wi} - s_{org}}{1 - s_{wi}}$$

where s_{wi} – initial water in oil pay, s_{org} – residual oil to gas sweep.

See also

[Petroleum Industry](#) / [Upstream](#) / [Production](#) / [Subsurface Production](#) / [Reserves Depletion](#) / [Recovery Methods](#)

[[Waterflooding](#)]