

Depletion Factor = DF

Percentage of recoverable [hydrocarbon reserves](#) recovered by a given time moment t :

(1)
$$DF(t) = \frac{V_{\text{recovered reserves}}(t)}{V_{\text{recoverable reserves}}}$$

It always ranges $0 \leq DF \leq 100\%$ and is related to [Recovery Factor \(RF\)](#) as:

(2)
$$DF(t) = \frac{[RF]}{(\text{)}} t) EUR$$

where [EUR](#) is [Estimated Ultimate Recovery](#).

The [Depletion Factor](#) concept splits naturally into two categories:

Oil Recovery Factor (RFO)		Gas Recovery Factor (RFG)	
(3)	RFO=QOVSTOIIPRFO=QOVSTOIIP	(4)	RFG=QGVSTGIIPRFG=QGVSTGIIP
QOQO	cumulative oil production	QGQG	cumulative gas production
VSTOIIPVSTOIIP	STOIIP	VSTGIIPVSTGIIP	STGIIP

See Also

[Petroleum Industry](#) / [Upstream](#) / [Production](#) / [Subsurface Production](#) / [Field Study & Modelling](#) / [Production Analysis](#)

[[Recovery Factor \(RF\)](#)]