

Recovery Factor = RF

Percentage of currently recovered [hydrocarbon reserves](#) Q_{HC} from the [Surface Tank Hydrocarbon Initial In Place \(STHCIIP\)](#):

(1)
$$RF(t) = \frac{Q_{HC}(t)}{V_{STHCIIP}} \cdot 100\%$$

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

(2)
$$RF(t) = EURF \cdot DF(t)$$

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

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

Oil Recovery Factor (RFO)		Gas Recovery Factor (RFG)	
(3) $RFO = \frac{Q_o^\dagger}{V_{STOIIP}}$		(4) $RFG = \frac{Q_g^\dagger}{V_{STGIIP}}$	
$Q_o^\dagger$	cumulative oil production	$Q_g^\dagger$	cumulative gas production
V_{STOIIP}	STOIIP	V_{STGIIP}	STGIIP

See Also

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

[[Depletion Factor \(DF\)](#)] [[Oil Recovery Factor \(RFO\)](#)] [[Gas Recovery Factor \(RFG\)](#)]