

Artificial Gas Lift (AGL)

[@wikipedia](#)

Specific type of [Lift mechanism](#) where [bottom-hole pressure](#) is reduced artificially by the light fluid column in the [tubing](#) due to gas injection into the lifting up fluid column.

In [AGL](#), the true reservoir [Gas production rate](#) is calculated as the difference between total measured produced gas rate q_{GT}^{\uparrow} and [Gas lift rate](#) q_{GL}^{\downarrow} which has been injected into annulus to support the fluid lift in the tubing:

$$(1) \quad q_G^{\uparrow} = q_{GT}^{\uparrow} - q_{GL}^{\downarrow}$$

See Also

[Petroleum Industry](#) / [Upstream](#) / [Production](#) / [Subsurface Production Operations](#) / [Well Control](#) / [Lift Mechanism](#)

[[Gas lift rate](#)]