
40 C.F.R. § 60.5432b

How do I determine whether a well is a low pressure well using the low pressure well equation?

- (a) To determine that your well is a low pressure well subject to § 60.5375b(f), you must determine whether the characteristics of the well are such that the well meets the definition of low pressure well in § 60.5430b. To determine that the well meets the definition of low pressure well in § 60.5430b, you must use the low pressure well equation:

Where: (1) PL is the pressure of flowback fluid immediately before it enters the flow line, expressed in pounds force per square inch (psia), and is to be calculated using the equation above; (2) PR is the pressure of the reservoir containing oil, gas, and water at the well site, expressed in psia; (3) L is the true vertical depth of the well, expressed in feet (ft); (4) q_o is the flow rate of oil in the well, expressed in cubic feet/second (cu ft/sec); (5) q_g is the flow rate of gas in the well, expressed in cu ft/sec; (6) q_w is the flow rate of water in the well, expressed in cu ft/sec; (7) ρ_o is the density of oil in the well, expressed in pounds mass per cubic feet (lbm/cu ft).

- (b) You must determine the four values in paragraphs (a)(4) through (7) of this section, using the calculations in paragraphs (b)(1) through (15) of this section.

- (1) Determine the value of the bottom hole pressure, P_{BH} (psia), based on available information at the well site, or by calculating it using the reservoir pressure, PR (psia), in the following equation:

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