



## **PUMP INTAKE PRESSURE**

In artificial lift, the producing bottom-hole pressure of producing wells is critical in evaluation of the production potential. The producing bottom-hole pressure (PBHP) is normally obtained through a fluid depression test.

A packer is sometimes installed in wells where zonal isolation is necessary. A fluid depression test is not applicable on such wells when the subject zones are below the packers. The need for producing pressure of these wells prompted the development of Pump Intake Pressure (PIP) calculations.

The Pump Intake Pressure is calculated by utilizing the results of a dynamometer test, such as pump net lift (fluid loading), tubing pressure, tubing fluid gradient, pump run-in depth, and the area of a downhole pump. The calculations provide a good estimation when the downhole pump is functioning well.