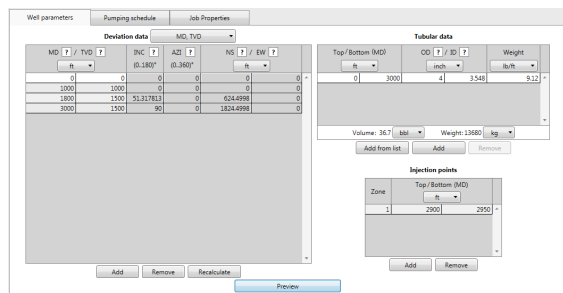
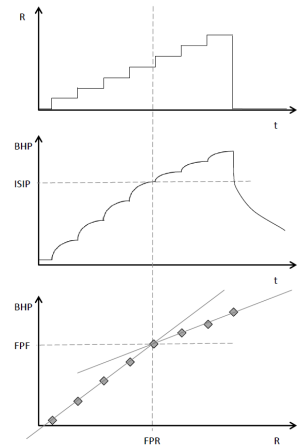


PRIME TIME

Step Rate Testing

According to the Texas Railroad Commission and other governing bodies, if you want to qualify a well as an injector well, it is required that you to perform a Step Rate Test in order to determine the formation parting pressure. While it is recommended to use a bottom hole gauge, the guidelines also allow you to use bottom hole pressure, calculated from surface parameters:

"To convert surface pressure to bottom-hole pressure (BHP), the inside diameter and condition of the tubing must be known to compute frictional losses, and the density of the injected fluid must be known to compute the hydrostatic pressure." Source: Railroad Commission of Texas



DMS BHP Tool for Step Rate Testing

With the most recent release of our DMS software, our BHP module provides critical information when performing all types of pumping jobs requiring "Step" style pumping or bottomhole pressure calculations.

The BHP module works especially well for step rate test pumping jobs, essentially replacing the need for expensive installation of bottom hole gauges. Originally designed for well simulation, our BHP module calculates bottom hole pressure utilizing surface pressure, hydrostatic pressure and friction pressure under dynamic conditions and presents it in a 3D mapping of the well. Furthermore, you get instant results to make immediate decisions instead of waiting to read out a memory gauge.

Import your well survey data (or enter some simple parameters relative to the well geometry), then setup the pumping schedule and pick fluids from the database. Run the BHP module in real-time or post-job and get a proper BHP. Plot the BHP in a chart and determine the formation parting pressure. All of this can be accomplished within the DMS program.

Needless to say, Prime's DMS with BHP module provides the tools needed to get the job done right, the first time!

DID YOU KNOW?

That our controls have been deployed on 75+ frac spreads around the world?

