

Pressure Build-Up = PBU

Synonym: [Pressure Build-Up \(PBU\)](#) = [Build-Up Survey \(BUS\)](#)

[Pressure transient survey](#) in [producer](#) during the pressure rise period caused by shutting well down or reducing its production rate (see **Fig. 1**):

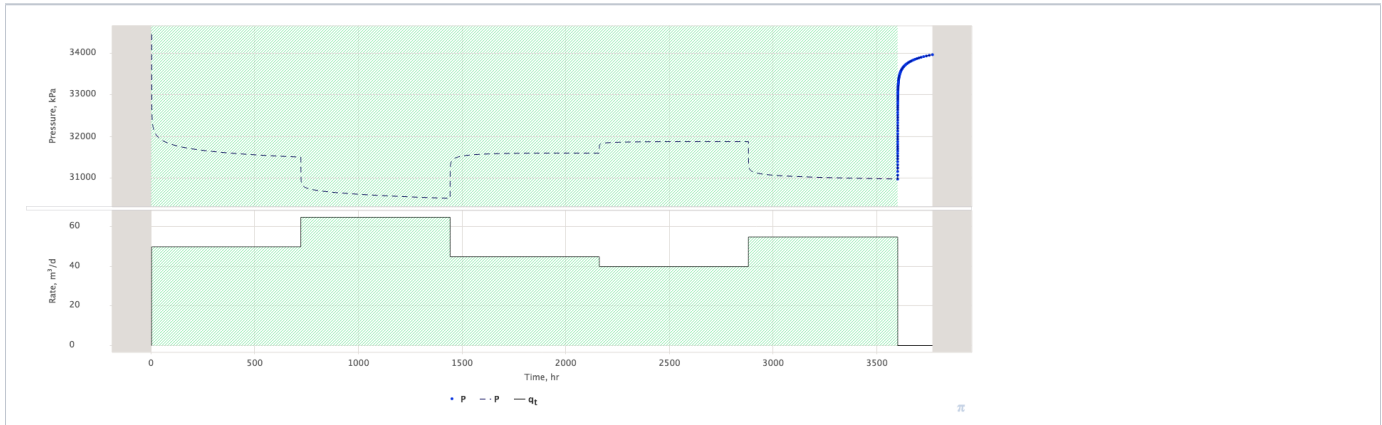


Fig 1. [Build-up Survey](#) starting after well is closed at 3,600 hrs and going through pressure recovering for 7 days (blue dots).

The grey dash line shows bottom hole pressure history before 3,600 hrs in case it would have been recorded.

Interpretation

Interpretation of [PBU](#) is based on:

- visual analysis of [PTA diagnostic plot](#)
- selecting [pressure diffusion model](#) from [PTA Type Library](#)
- fitting selected parameters of [pressure diffusion model](#) to pressure gauge data records

In some cases one can use [Horner model](#) with simplified version of [PBU](#) interpretation procedure.

See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Well Testing](#) / [Pressure Testing](#) / [Pressure Transient Analysis \(PTA\)](#)

[[Well & Reservoir Surveillance](#)] [[Pressure Transient Analysis \(PTA\)](#)] [[Drawdown survey \(DD\)](#)]