

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):

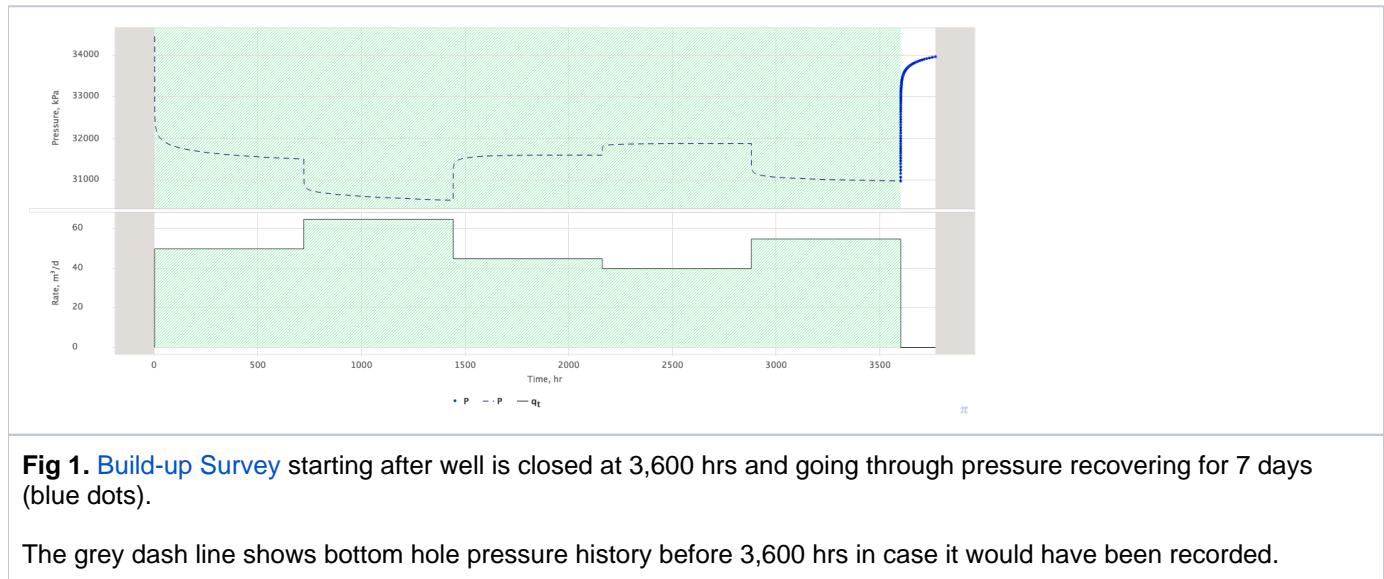


Fig 1. Build-up Survey starting after well is closed at 3,600 hrs and going through pressure recovering for 7 days (blue dots).

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 uses 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 \(PTA\)](#)

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