

## Theis type curve

**Theis type curve** . A log-log plot of the well function,  $W(u)$ , versus the argument  $u$ , in which  $u$  describes for a *confined aquifer* the theoretical relationships among observation-well distance, time since pumping began, and the aquifer storativity coefficient and *transmissivity* . It is used to determine aquifer properties, drawdown, or pumping rate, based on the results of an *aquifer test* (Todd, 1959, p.90-94). Cf: *Theis equation*; *Thiem equation* .

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