



**FIGURE 5.15** Type curves for drawdown data from fully penetrating wells in an unconfined aquifer. Source: S. P. Neuman, *Water Resources Research* 11 (1975):329–42. Used with permission.

$$\Gamma = \frac{r^2 K_v}{b^2 K_h} \tag{5.81}$$

where

$h_0 - h$  is the drawdown ( $L$ ; ft or m)

$Q$  is the pumping rate ( $L^3/T$ ;  $ft^3/day$  or  $m^3/day$ )