

$$P_D = \frac{1}{2} \ln A_D + 0.14045 + 2\pi A_{DA} - \frac{1}{2} f(t_{DA})$$

small t ; $f(t_{DA}) = 4\pi t_{DA}$

Slope = 2.303

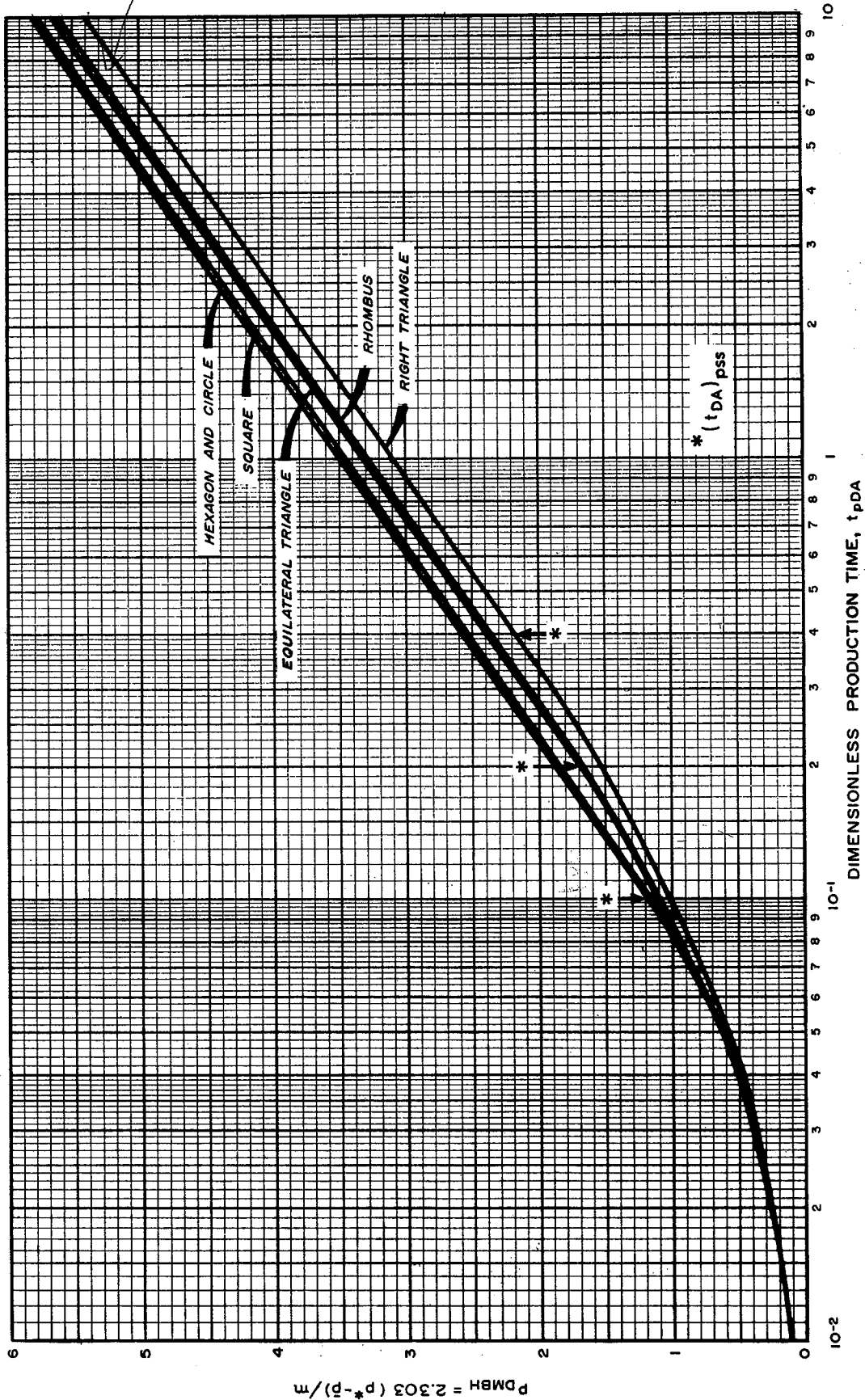


Fig. 6.2 Matthews-Brons-Hazebrook dimensionless pressure for a well in the center of equilateral drainage areas. After Matthews, Brons, and Hazebrook.⁴

$f(t_{DA})$

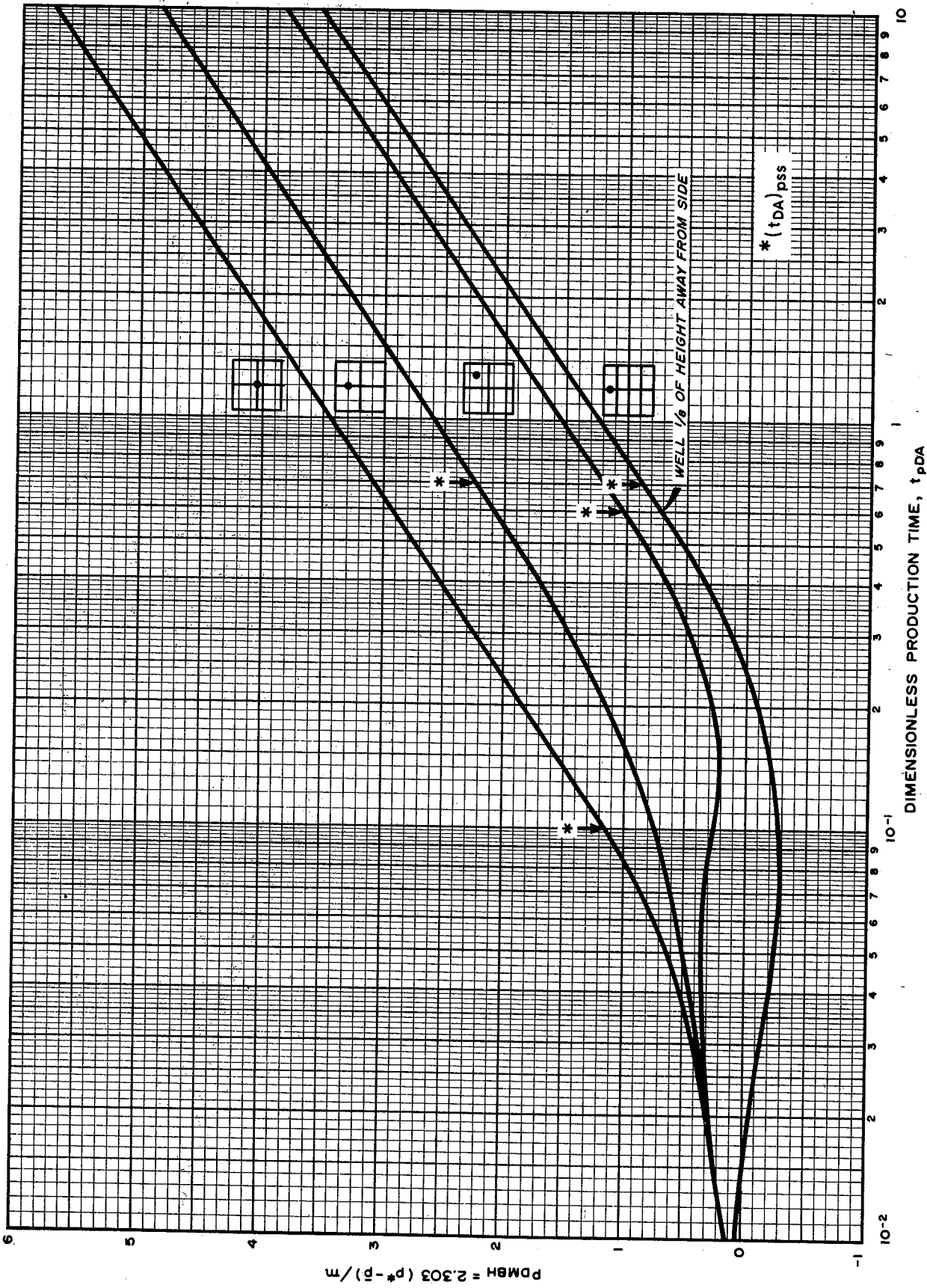


Fig. 6.3 Matthews-Brons-Hazebroek dimensionless pressure for different well locations in a square drainage area. After Matthews, Brons, and Hazebroek.⁴

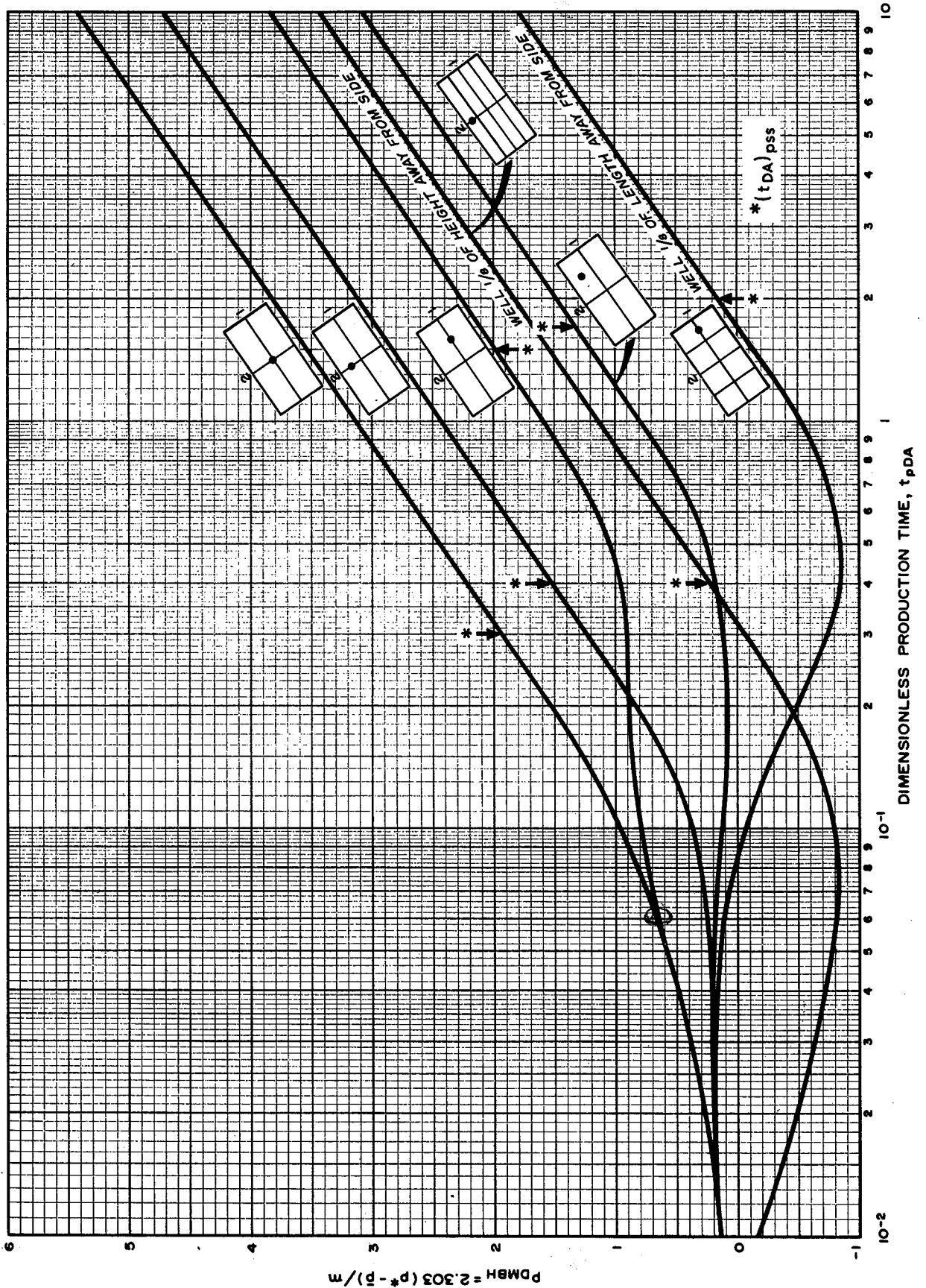


Fig. 6.4 Matthews-Brons-Hazebroek dimensionless pressure for different well locations in a 2:1 rectangular drainage area. After Matthews, Brons, and Hazebroek.⁴

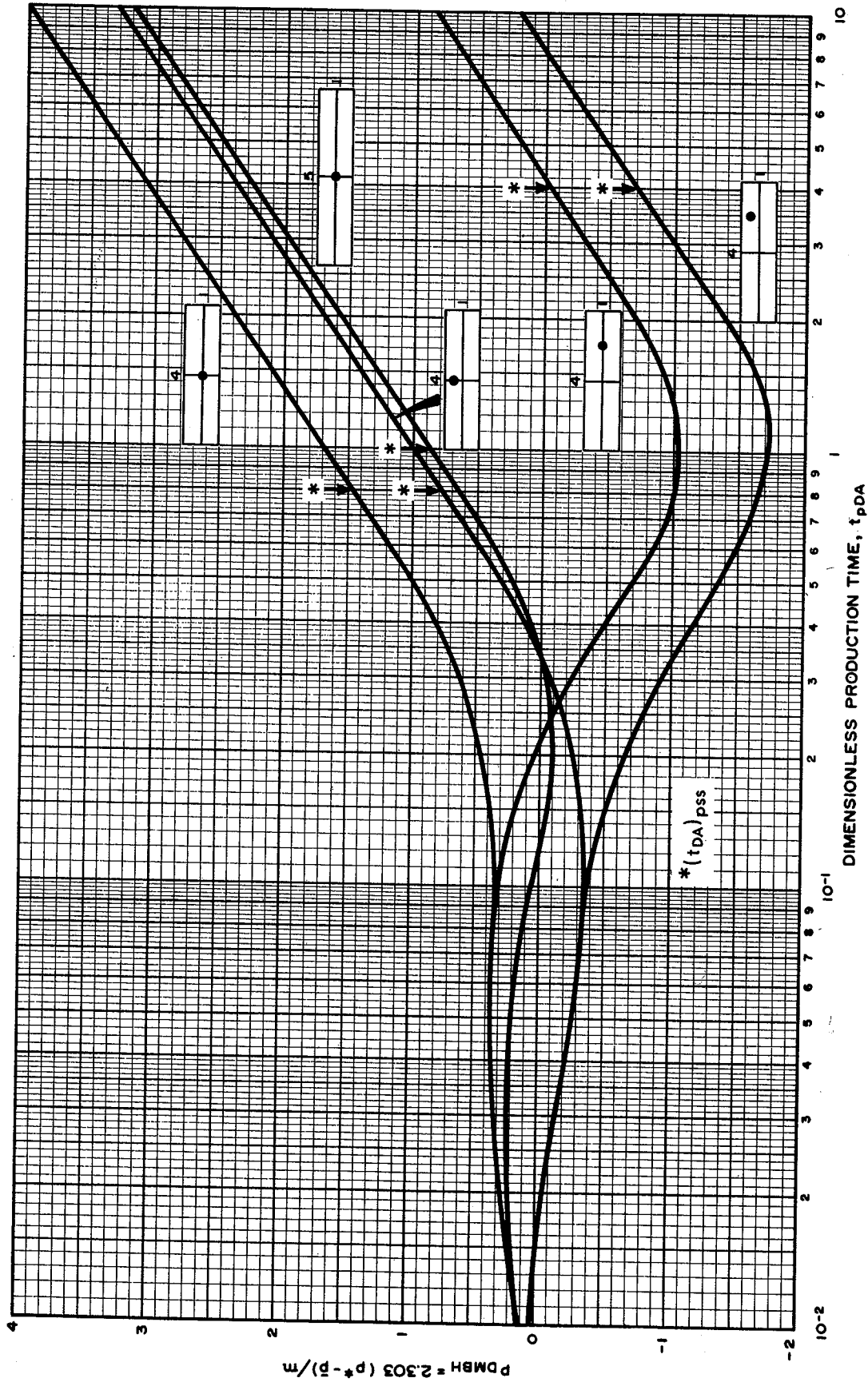


Fig. 6.5 Matthews-Brons-Hazebroek dimensionless pressure for different well locations in 4:1 and 5:1 rectangular drainage areas. After Matthews, Brons, and Hazebroek.⁴