TABLE A4 Conversion Factors Useful in Well Test Analysis*

SI conversions are in boldface type. All quantities are current to SI standards as of 1974. An asterisk (*) after the sixth decimal indicates the conversion factor is exact and all following digits are zero. All other conversion factors have been rounded. The notation $E + 03$ is used in place of 10^3, and so on.

To Convert From	To	Multiply by	Inverse
Area			
acre	**metre² (m²)**	4.046 856 E+03	2.471 054 E-04
darcy	**metre² (m²)**	9.869 23 E-13	1.013 25 E+12
foot²	**metre² (m²)**	9.290 304* E-02	1.076 391 E+01
Density			
gram/centimetre³	**kilogram/metre³ (kg·m⁻³)**	1.000 000* E+03	1.000 000*E-03
pound-mass/foot³	**kilogram/metre³ (kg·m⁻³)**	1.601 846 E+01	6.242 797 E-02
Length			
centimetre	**metre (m)**	1.000 000* E-02	1.000 000*E+02
foot	**metre (m)**	3.048 000* E-01	3.280 840 E+00
inch	**metre (m)**	2.540 000* E-02	3.937 008 E+01
Mass			
pound-mass	**kilogram (kg)**	4.535 923 7*E-01	2.204 623 E+00
ton (U.S. short)	**kilogram (kg)**	9.071 847 E+02	1.102 311 E-03
tonne	**kilogram (kg)**	1.000 000* E+03	1.000 000*E-03
Pressure			
atmosphere (normal—760 mm Hg)	**pascal (Pa)**	1.013 25 E+05	9.869 23 E-06
feet of water (4°C)	**pascal (Pa)**	2.988 98 E+03	3.345 62 E-04
kilogram-force/centimetre²	**pascal (Pa)**	9.806 650* E+04	1.019 716 E-05
psi	**pascal (Pa)**	6.894 757 E+03	1.450 377 E-04
Time			
day	**second (s)**	8.640 000* E+04	1.157 407 E-05
Viscosity			
centipoise	**pascal-second (Pa·s)**	1.000 000* E-03	1.000 000*E+03
Volume			
acre-foot	**metre³ (m³)**	1.233 482 E+03	8.107 131 E-04
barrel	**metre³ (m³)**	1.589 873 E-01	6.289 811 E+00
foot³	**metre³ (m³)**	2.831 685 E-02	3.531 466 E+01
gallon	**metre³ (m³)**	3.785 412 E-03	2.641 720 E+02
Volumetric rate			
barrel/day	**metre³/sec (m³/s)**	1.840 131 E-06	5.434 396 E+05
foot³/minute	**metre³/sec (m³/s)**	4.719 474 E-04	2.118 880 E+03
gallon/minute	**metre³/sec (m³/s)**	6.309 020 E-05	1.585 032 E+04

* (After Earlougher, 1977).