

FORMATION	VIRGINIA	WESTERN MARYLAND	EASTERN MARYLAND	SOUTH-CENTRAL PENNSYLVANIA	SOUTH-EASTERN PENNSYLVANIA	NORTH-CENTRAL PENNSYLVANIA	NORTH-EASTERN PENNSYLVANIA	EASTERN NEW JERSEY	SOUTH-EASTERN NEW YORK	EASTERN NEW YORK	NORTHERN NEW YORK	WESTERN MASSACHUSETTS	SOUTH-EASTERN MASSACHUSETTS	CONNECTICUT	RHODE ISLAND	MAINE	EXPLANATION	
																		157 ⁽²⁵⁾ (600-955)151
MESOZOIC	Triassic sandstones and shales																157 Average yield, in gallons per minute	
	Pennsylvanian sandstones with interbedded shales and coal measures	(75-250)8	75 ⁽¹²⁾ (300-1276) (300flow-831)	100 ⁽¹⁰⁾ (250-175)15 75? ⁽⁸⁾ (150-120)61 150 ⁽³¹⁾ (832-107)25			(250-200)											25 Number of samples in the average
	Mississippian shale and subordinate sandstone in upper part of section and sandstone with subordinate shale in lower part	(220-200)					(150-203)20	(160-566)115										65 Yield (gpm), depth (ft), and draw-down (ft) of the highest yield well in the sample
	Upper Devonian shale, sandy shale, and sandstone						150 ⁽¹⁹⁾ (600-237)30	110 ⁽⁴⁷⁾ (375-600)115										75 ⁽¹⁴⁾ (250-504)14
	Middle Devonian shale and subordinate sandstone	(57-380)40	25? (44-605)	25 (15-260)30			f 62 ⁽³⁰⁾ (300-311) f 73 ⁽³¹⁾ (250-247)47	75 ⁽⁵³⁾ (320-285) 38 ⁽⁷⁾ (89-266) 48 ⁽⁸⁾ (75-190)		150 ⁽²²⁾ (550-140)	90? ⁽⁴⁾ (150-245)							98+ ⁽⁵⁷⁾ (320-500) 46 ⁽¹²⁾ (100-477) 64 ⁽¹²⁾ (150-504)
	Devonian { Limestone Sandstone																	
	Devonian to upper Silurian massive limestone																	
	Silurian limy shale grading down to sandy shale and sandstone	k l (300-115)																
	Ordovician shale and minor sandstone	(50-155)29																
	Ordovician to Cambrian massive limestones	(140-801) (150-244) (300-360) (1200-260)10																
M. Cambrian shale	(64-363)20																	
L. Cambrian carbonates	(2950-960)																	
Lower Cambrian sandstone, shale, slate, and quartzite	15 (45-236)0'																	
PRECAMBRIAN	Granite	† 90 ⁽⁴⁴⁾ (380-600)94																
	Granite gneiss																	
	Schist	100 ⁽²⁴⁾ (275-451)2+																
	Greenstone	25? ⁽³⁾ (35-360)	50 ⁽⁹⁾ (160-161)10															
	Marble																	

EXPLANATION

157
Average yield, in gallons per minute

25
Number of samples in the average

(600-955)151
Yield (gpm), depth (ft), and draw-down (ft) of the highest yield well in the sample

a. Greater Washington, D. C., area. Two wells yielding 1,000 and 950 gpm excluded from the average.

b. A well yielding 1,515 gpm excluded from the average.

c. A well yielding 760 gpm excluded from the average.

d. Wells shallow.

e. In descending order, average yields at Providence, Bristol, and East Greenwich, R. I.

f. Many wells shallow.

g. Limy shales.

h. Shaly limestone.

i. Limestone.

j. Slaty or quartzitic rock.

k. Berkeley County, W. Va.

l. Well in sandstone.

m. Seneca County, N. Y. Some wells in Seneca and Wayne Counties, N. Y., yield brackish water.

n. Slaty shales, Dutchess County, N. Y.

o. Taconic sequence.

p. More than half the wells are shallow.

q. Two wells yielding, respectively, 1,400 and 1,600 gpm excluded from the average.

r. Quartzite.

s. Shale.

t. Richmond, Va., area.

u. A well yielding 500 gpm omitted from the average.

v. A well yielding 365 gpm omitted from the average.

w. A well yielding 400 gpm omitted from the average.

CHART SHOWING SUMMARY OF DATA ON WHICH ESTIMATES OF YIELDS OF DEEP WELLS IN CONSOLIDATED ROCKS ARE BASED, VIRGINIA TO MAINE