

EXPLANATION
Note: Well symbols may be combined on map

- Well, drilled
- Well, driven
- Well, dug
- Well, water-level observation
- Well, chemical analysis available
- Well, log available
- Well, chemical analysis and log available
- Well, radial collector
- Test boring or sounding

TYPE OF PUMP

- Hand
- Power
- None

YIELD

- Estimated
- Reported
- Measured

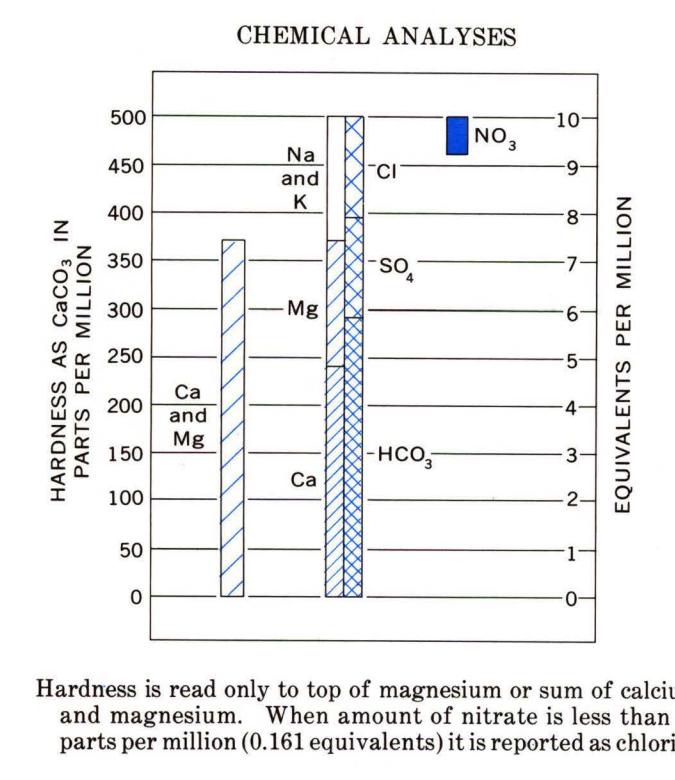
Aquifer, if bedrock of Devonian (Ds), Silurian (Ss) or Ordovician (O) age. If water is from both bedrock and Quaternary alluvium (Q), the Qa symbol is shown.
 Depth to water, in feet below land surface.
 Month and year of water-level measurement.
 Key number for specific capacity, transmissibility, and permeability given in table below.
 Yield of well, in gallons per minute. When yield is unknown, type of pump is given.
 Depth of well, in feet below land surface.
 Bedrock altitude, in feet above mean sea level.

Key number	Specific capacity of well (gpm/ft drawdown)	Duration of drawdown test (hrs)	Transmissibility (gpd/ft)	Permeability (gpd/sq ft)	Depth of permeability sample (ft)	Remarks
(1)				975	25-105	Median of 16 samples
(2)				800	30-130	Median of 17 samples
(3)				290	25-102	Median of 16 samples
(4)				320	25-100	Median of 14 samples
(5)				1,700	25-75	Median of 14 samples
(6)				450	20-100	Median of 16 samples
(7)				180	20-91.6	Median of 14 samples
(8)				360	20-101	Median of 17 samples
(9)				260	25-104.5	Median of 16 samples
(10)				330	20-92.4	Median of 16 samples
(11)						Storage coefficient 0.0093
(12)				250	25-98.5	Median of 15 samples
(13)				320	30-85	Median of 11 samples
(14)				120	30-94	Median of 13 samples
(15)				300	20-85	Median of 13 samples
(16)				700	25-90	Median of 13 samples
(17)				625	45-105	Median of 12 samples
(18)						Specific yield 16 percent
(19)				93,000		Specific yield 22 percent
(20)				94,000		Specific yield 18 percent
(21)	35					
(22)	30	72		75,000		
(23)	92	24				Rock well. At 230 gpm At 222 gpm
(24)	43	24				
(25)	290	24				At 505-510 gpm
	46*					
	66*					

* Median of 65 other wells in the alluvium whose specific capacities range from 5 to 500 gpm/ft drawdown
 * Median of 9 other wells in bedrock beneath the alluvium whose specific capacities range from 5 to 238 gpm/ft drawdown

MAP SYMBOLS

- Qao Quaternary alluvium of Ohio Valley
- Qat Quaternary alluvium of tributary valley
- Ds Bedrock of Devonian or Silurian age
- Geologic contact
- Dashed where approximate
- Contour on bedrock
- Dashed where approximate; contour interval 10 feet; datum is mean sea level.

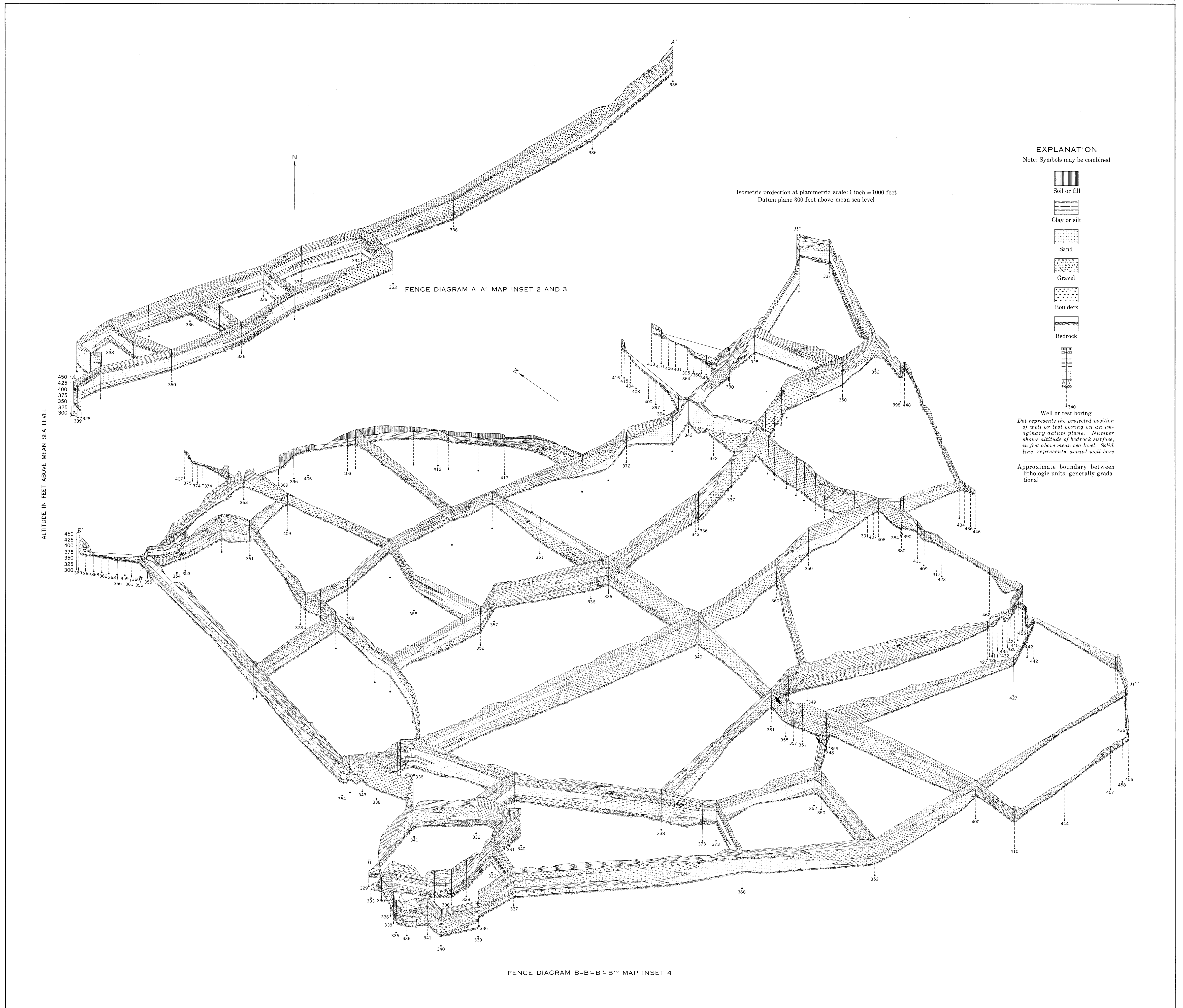


Base maps compiled from U.S. Geological Survey 7 1/2-minute quadrangle maps

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1964—WB4063

GEOLOGY AND HYDROLOGY OF ALLUVIAL DEPOSITS ALONG THE OHIO RIVER BETWEEN PROSPECT AND SOUTHWESTERN LOUISVILLE, KENTUCKY

By
William E. Price, Jr.
1964



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