

### EXPLANATION

Pre-1992 measurements were incorporated on the map to provide control in areas where more recent data were not available. Because little ground-water development has occurred in the areas where pre-1992 water levels were used, levels are assumed to be the same in 1992 and 1993 as they were when the measurement was made.

--- BOUNDARY OF STUDY AREA--The western, northern, and eastern boundaries are the township boundaries. The southern boundary is the contact between the carbonate rocks of the Chester Valley and the crystalline and metasedimentary rocks

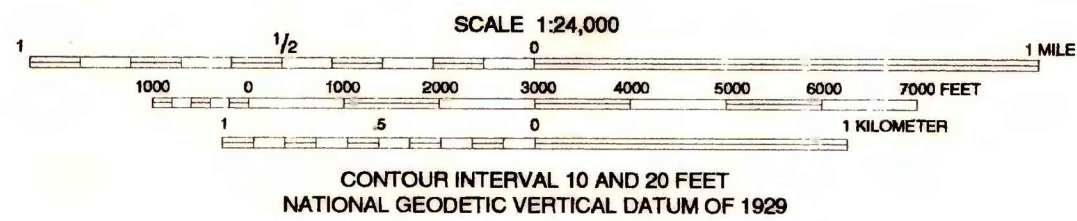
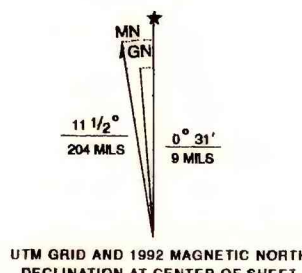
520 POTENTIOMETRIC CONTOUR--Shows altitude of potentiometric surface as defined by measured water levels. Potentiometric contours are approximate. Contoured potentiometric surface represents the water table except at wells that tap confined zones in the aquifer. Contour interval is 20 feet. Datum is sea level

#### SITE USED FOR WATER-LEVEL MEASUREMENT

Symbol is at location of site. Number is altitude of water level in feet above sea level. Wells and springs outside the study area are shown where they were used to contour the potentiometric surface

● 575 (1974) Well and altitude of static water level in drilled or dug well and year of water-level measurement (in parentheses) for a period other than May 1992 through August 1993

● 520 Spring that was flowing from May 1992 to August 1993



Base from U.S. Geological Survey  
Cottleville, 1992;  
Pottsville, 1983;  
Wagontown, 1983;  
1:24,000 scale

## ALTITUDE AND CONFIGURATION OF THE POTENTIOMETRIC SURFACE IN THE CRYSTALLINE AND METASEDIMENTARY ROCKS IN VALLEY AND WEST BRANDYWINE TOWNSHIPS, CHESTER COUNTY, PENNSYLVANIA, MAY 1992 THROUGH AUGUST 1993

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