

## CHESTER COUNTY

400645075411501. Local number, CH 1247.

**LOCATION.**--Lat 40°06'45", long 75°41'15", Hydrologic Unit 020402053, at State Highway 401 and 100, at Ludwigs Corner.

Owner: Privately owned.

**AQUIFER.**--Felsic and intermediate gneiss, granulite facies.

**WELL CHARACTERISTICS.**--Dug unused observation well, diameter 4 ft., depth 75 ft.

**INSTRUMENTATION.**--Monthly measurement with chalked tape by U.S. Geological Survey personnel. Monthly measurements for Feb. to Sept. made with electric tape.

**DATUM.**--Elevation of land-surface datum is 610 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum.

**REMARKS.**--Well is dry at 34.70 ft.

**PERIOD OF RECORD.**--December 1973 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level, 25.61 ft below land-surface datum, April 21, 1983; lowest, 36.14 ft below land-surface datum, Jan. 22, 1996.

**EXTREMES FOR CURRENT YEAR.**--Highest water level, 26.94 ft below land-surface datum, June 20; lowest, 33.34 ft below land-surface datum, Dec. 19.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
INSTANTANEOUS VALUES

| DATE   | WATER LEVEL | DATE   | WATER LEVEL | DATE   | WATER LEVEL | DATE   | WATER LEVEL | DATE   | WATER LEVEL | DATE   | WATER LEVEL |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| OCT 22 | 34.70       | DEC 19 | 33.34       | FEB 21 | 30.18       | APR 22 | 27.67       | JUN 20 | 26.94       | AUG 21 | 28.21       |
| NOV 21 | 34.70       | JAN 22 | 28.99       | MAR 20 | 28.35       | MAY 21 | 28.25       | JUL 22 | 27.54       | SEP 23 | 27.61       |