

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CHEROKEE COUNTY

WELL NUMBER.--350918081263408. Local number, CRK-74.

LOCATION.--Lat 35°09'18'', long 81°26'34'', Hydrologic Unit 03050105, Blacksburg, 244 Wendy Drive, right of driveway. Owner: Paul Clayton.

AQUIFER.--Sericite Schist/Late Proterozoic Blacksburg Formation of the Kings Mountain Belt.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 265 ft, cased to 99 ft, open hole from 99 to 265 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute collection interval.

DATUM.--Land-surface datum is 825 ft above sea level. Measuring point: Top of casing, 1.30 ft above land-surface datum.

REMARKS.--Geophysical logs available in District files. Water levels are affected by nearby pumpage.

PERIOD OF RECORD.--March 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 54.14 ft below land-surface datum, Aug. 29, 2003; lowest water level, 79.39 ft below land-surface datum, Nov. 1, 2002.

Depth to water level, feet below land surface  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

| DAY  | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 57.57 | 61.13 | 63.36 | 65.51 | 67.01 | 67.68 | 68.07 | 68.67 | 69.55 | 69.83 | 70.19 | 70.37 |
| 2    | 57.58 | 60.86 | 63.40 | 65.52 | 66.88 | 67.64 | 68.39 | 68.69 | 69.83 | 70.76 | 70.21 | 70.51 |
| 3    | 57.69 | 61.04 | 63.41 | 65.59 | 66.69 | 67.74 | 68.44 | 68.68 | 69.77 | 70.09 | 70.23 | 70.40 |
| 4    | 58.10 | 61.18 | 63.41 | 66.12 | 67.05 | 67.90 | 68.51 | 68.92 | 69.37 | 69.91 | 70.20 | 70.48 |
| 5    | 57.93 | 61.11 | 63.51 | 65.77 | 66.84 | 67.65 | 68.69 | 68.83 | 69.49 | 70.03 | ---   | 70.54 |
| 6    | 57.97 | 61.36 | 63.51 | 66.12 | 66.65 | 67.61 | 68.63 | 68.80 | 69.40 | 70.10 | 70.31 | 70.58 |
| 7    | 58.13 | 61.47 | 63.50 | 66.18 | 66.84 | 67.68 | 68.56 | 68.85 | 69.54 | 70.08 | 70.34 | 70.37 |
| 8    | 58.26 | 61.38 | 63.64 | 66.17 | 67.05 | 67.80 | 68.44 | 69.08 | 69.55 | 69.90 | 70.24 | 70.34 |
| 9    | 58.36 | 61.63 | 63.80 | 66.16 | 67.08 | 67.69 | 68.26 | 68.86 | 69.60 | 70.04 | 70.30 | 70.58 |
| 10   | 58.38 | 61.71 | 63.73 | 66.40 | 66.95 | 67.61 | 68.40 | 68.96 | 69.72 | 69.87 | 70.38 | 70.60 |
| 11   | 58.68 | 61.65 | 63.74 | 66.50 | 66.97 | 67.92 | 68.51 | 68.86 | 69.45 | 70.01 | 70.39 | 70.55 |
| 12   | 58.76 | 61.93 | 63.98 | 66.44 | 67.05 | 67.80 | 68.37 | 68.99 | 69.61 | 70.11 | 70.16 | 70.58 |
| 13   | 58.67 | 61.82 | 64.07 | 66.45 | 67.07 | 67.85 | 68.26 | 69.17 | 69.57 | 70.09 | 70.27 | 70.61 |
| 14   | 58.78 | 62.34 | 63.99 | 66.49 | 67.06 | 67.91 | 68.33 | 69.02 | 69.81 | 69.85 | 70.35 | 70.52 |
| 15   | 59.03 | 62.25 | 64.25 | 66.07 | 67.08 | 67.97 | 68.67 | 69.07 | 69.74 | 69.75 | 70.21 | 70.60 |
| 16   | 59.20 | 62.25 | 64.15 | 66.19 | 67.23 | 67.74 | 68.54 | 69.12 | 69.60 | 69.79 | 70.43 | 70.56 |
| 17   | 59.49 | 62.28 | 64.17 | 66.38 | 67.18 | 67.99 | 68.54 | 69.31 | 69.65 | 69.77 | 70.19 | 70.57 |
| 18   | 59.44 | 62.20 | 64.27 | 66.10 | 67.20 | 67.95 | 68.64 | 69.05 | 69.84 | 69.86 | ---   | 70.56 |
| 19   | 59.42 | 62.32 | 64.24 | 66.21 | 67.26 | 68.02 | 68.79 | 69.20 | 69.61 | 69.95 | 70.51 | 70.54 |
| 20   | 59.68 | 62.39 | 64.46 | 66.20 | 67.40 | 67.93 | 68.50 | 69.25 | 69.56 | 69.93 | 70.37 | 70.80 |
| 21   | 59.58 | 62.48 | 64.69 | 66.22 | 67.40 | 67.83 | 68.63 | 69.10 | 69.57 | 70.56 | 70.17 | 70.60 |
| 22   | 59.58 | 62.72 | 64.91 | 66.27 | 67.45 | 68.11 | 68.50 | 69.47 | 69.52 | 70.13 | 70.18 | 70.61 |
| 23   | 59.88 | 62.69 | 64.87 | 66.43 | 67.48 | 68.37 | 68.61 | 69.29 | 70.28 | 70.35 | 70.29 | 70.63 |
| 24   | 60.16 | 62.70 | 64.90 | 66.47 | 67.41 | 68.07 | 68.70 | 69.23 | 69.92 | 70.34 | 70.27 | 70.60 |
| 25   | 60.36 | 62.81 | 65.21 | 66.50 | 67.52 | 68.48 | 68.58 | 69.49 | 69.77 | 70.03 | ---   | 70.72 |
| 26   | 60.20 | 62.90 | 65.37 | 66.44 | 67.44 | 68.13 | 68.77 | 69.40 | 69.94 | 70.26 | ---   | 70.71 |
| 27   | 60.25 | 62.93 | 65.27 | 66.39 | 67.58 | 68.10 | 68.59 | 69.23 | 69.77 | 70.14 | 70.45 | 70.59 |
| 28   | 60.24 | 62.92 | 65.29 | 66.60 | 67.83 | 68.18 | 68.83 | 69.59 | 69.73 | 70.19 | 70.41 | 70.54 |
| 29   | 60.65 | 63.31 | 66.41 | 66.58 | 67.65 | 68.29 | 68.80 | 69.50 | 70.07 | 70.12 | 70.40 | 70.81 |
| 30   | 60.75 | 63.31 | 65.39 | 66.60 | ---   | 68.10 | 68.64 | 69.37 | 69.99 | 70.31 | 70.33 | 70.69 |
| 31   | 60.76 | ---   | 65.35 | 66.81 | ---   | 68.13 | ---   | 69.45 | ---   | 70.21 | 70.45 | ---   |
| MEAN | 59.15 | 62.10 | 64.33 | 66.25 | 67.18 | 67.93 | 68.54 | 69.11 | 69.69 | 70.08 | ---   | 70.57 |
| MAX  | 60.76 | 63.31 | 66.41 | 66.81 | 67.83 | 68.48 | 68.83 | 69.59 | 70.28 | 70.76 | ---   | 70.81 |
| MIN  | 57.57 | 60.86 | 63.36 | 65.51 | 66.65 | 67.61 | 68.07 | 68.67 | 69.37 | 69.75 | ---   | 70.34 |

