

LEHIGH COUNTY

403429075392401. Local number, LE 644.

LOCATION.--Lat 40°34'29", long 75°39'24", Hydrologic Unit 02040106, at Haafsville.

Owner: Privately owned.

AQUIFER.--Beekmantown Group of Middle Ordovician age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in., depth 184 ft, cased to 63 ft, open hole.

INSTRUMENTATION.--Data collection platform with 30-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of plywood shelf, 2.65 ft above land-surface datum. Prior to Mar. 18, 1981, top of casing, 1.45 ft above land-surface datum.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since October 1994, and water-quality records for 1973-75 are also available from the USGS Pennsylvania Water Science Center Office.

PERIOD OF RECORD.--January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes were based on extremes of the daily maximum depth below land-surface datum. Since that date, the extremes are based on the instantaneous depth below land-surface datum.

Highest water level, 33.72 ft below land-surface datum, Apr. 3, 1994; lowest, 93.42 ft below land-surface datum, Feb. 6, 1971.

EXTREMES FOR CURRENT YEAR.--Highest water level, 37.04 ft below land-surface datum, Apr. 9, 10; lowest, 71.00 ft below land-surface datum, Sept. 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.34	48.98	47.81	45.58	43.80	45.67	43.06	41.32	48.11	55.21	60.18	66.36
2	47.91	48.99	47.00	45.66	44.08	45.97	42.80	41.54	48.44	55.56	60.50	66.62
3	47.62	49.29	46.25	45.68	44.20	46.16	40.87	41.89	48.56	55.84	60.81	66.83
4	47.46	49.29	46.04	45.89	44.40	46.30	38.80	42.21	48.71	56.11	61.14	67.04
5	47.59	49.19	45.74	45.92	44.63	46.41	37.93	42.53	48.92	56.32	61.52	67.24
6	47.64	49.24	45.76	45.78	44.72	46.38	37.58	42.69	49.17	56.59	61.74	67.49
7	47.86	49.31	45.69	45.42	44.87	46.47	37.33	42.68	49.14	56.89	61.96	67.71
8	47.92	49.70	45.87	45.33	44.93	46.61	37.23	42.91	49.34	56.89	62.08	67.96
9	47.99	49.94	45.81	44.77	44.92	46.59	37.22	43.21	49.64	56.62	61.87	68.04
10	48.17	50.02	45.62	44.20	44.88	46.57	37.16	43.40	49.69	56.61	61.61	68.13
11	48.36	50.12	45.01	44.00	44.99	46.56	37.40	43.56	49.79	56.87	61.78	68.21
12	48.51	50.14	44.56	43.82	45.12	46.59	37.47	44.01	49.91	57.21	61.99	68.49
13	48.68	50.12	44.30	43.60	45.39	46.68	37.68	44.11	50.23	57.38	62.19	68.73
14	48.78	50.12	44.44	43.34	45.40	46.83	38.08	44.16	50.57	57.40	62.39	68.80
15	48.79	50.17	44.44	42.50	45.26	46.89	38.42	44.39	50.91	57.61	62.66	69.00
16	48.71	50.33	44.41	41.76	45.04	46.97	38.58	44.74	51.27	57.71	62.90	69.17
17	48.59	50.36	44.58	41.31	44.94	47.11	38.68	44.97	51.56	57.73	63.20	69.17
18	48.64	50.44	44.59	41.41	45.05	47.33	38.93	45.32	51.84	57.61	63.48	69.32
19	48.64	50.65	44.55	41.32	45.13	47.42	39.14	45.52	52.05	57.31	63.61	69.51
20	48.36	50.73	---	41.43	45.16	47.48	39.29	45.62	52.23	57.44	63.72	69.68
21	48.43	50.76	---	41.61	45.19	47.71	39.63	45.56	52.54	57.66	63.94	---
22	48.41	50.84	45.50	41.57	45.34	47.83	39.84	45.67	52.92	57.92	64.19	---
23	48.38	51.03	45.49	41.79	45.40	47.82	39.84	45.86	53.32	58.18	64.46	70.05
24	48.44	51.01	45.34	41.84	45.39	47.61	39.77	46.18	53.69	58.33	64.77	70.16
25	48.61	50.89	45.04	42.07	45.52	47.25	40.14	46.33	54.01	58.47	65.01	70.23
26	48.75	51.02	44.94	42.44	45.63	47.03	40.38	46.60	54.35	58.69	65.27	70.32
27	48.75	51.02	45.13	42.82	45.66	46.88	40.57	46.93	54.63	58.92	65.45	70.51
28	48.81	51.00	45.12	43.00	45.64	46.68	40.87	47.07	54.66	59.18	65.48	70.65
29	48.81	49.43	45.33	43.02	---	45.40	41.02	47.27	54.80	59.43	65.63	70.83
30	48.79	48.41	45.48	43.17	---	44.10	41.06	47.45	54.91	59.68	65.78	71.00
31	48.79	---	45.48	43.49	---	43.45	---	47.83	---	59.93	66.09	---
MEAN	48.37	50.08	45.36	43.40	45.02	46.60	39.23	44.63	51.33	57.53	63.14	68.83
MAX	48.81	51.03	47.81	45.92	45.66	47.83	43.06	47.83	54.91	59.93	66.09	71.00
MIN	47.46	48.41	44.30	41.31	43.80	43.45	37.16	41.32	48.11	55.21	60.18	66.36

