

FAYETTE COUNTY

394843079351401. Local number, FA 17.

LOCATION.--Lat 39°48'43", long 79°35'14", Hydrologic unit 05020006, at Fort Necessity National Battlefield.

Owner: U.S. Geological Survey.

AQUIFER.--Shale and sandstone of Glenshaw Formation of Late Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 100 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Elevation of land-surface datum is 1,910 ft above sea level, from topographic map. Measuring point: Top of plywood cover 2.05 ft above land-surface datum.

REMARKS.--Water levels affected by intermittent pumping.

PERIOD OF RECORD.--November 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.56 ft below land-surface datum, Apr. 1, 1992; lowest, 40.00 ft below land-surface datum, Nov. 8, 1967.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.08	23.81	23.96	22.73	---	19.75	22.19	22.84	22.96	23.44	23.20
2	---	24.06	23.87	23.96	22.52	---	19.73	22.40	22.80	23.07	23.52	23.18
3	---	24.38	23.90	23.83	22.50	---	19.75	22.51	22.88	23.09	23.52	23.15
4	---	24.53	23.91	23.88	22.62	---	19.73	22.60	22.92	23.10	23.43	23.18
5	23.53	24.88	23.91	23.88	22.63	---	20.03	22.63	22.97	23.07	23.45	23.17
6	23.68	24.44	23.87	23.87	22.37	---	20.13	22.84	23.00	23.09	23.47	23.09
7	23.67	24.02	23.86	23.86	22.30	---	20.39	22.92	23.00	23.10	23.47	23.12
8	23.56	23.99	23.85	23.86	21.90	21.29	20.39	23.05	22.83	23.19	23.36	23.12
9	23.55	23.90	23.87	23.78	21.90	21.08	20.33	23.22	22.90	23.20	23.40	23.11
10	23.59	23.87	23.93	23.75	22.01	20.75	20.18	23.35	22.97	23.30	23.35	23.13
11	23.66	23.95	23.93	23.70	22.00	20.79	20.17	23.38	23.06	23.40	23.41	23.20
12	23.65	23.96	23.91	23.65	21.89	20.89	20.08	23.36	22.98	23.41	23.43	23.21
13	23.56	23.90	23.84	23.65	22.03	20.89	20.08	23.20	22.99	23.70	23.32	23.32
14	23.52	23.78	23.93	23.60	22.05	20.72	20.03	23.40	22.91	23.69	23.37	23.31
15	23.74	23.78	23.92	23.31	22.01	20.80	19.98	23.43	22.97	24.07	23.46	23.32
16	23.64	23.78	23.89	23.33	21.93	20.83	19.91	23.40	22.98	24.07	23.46	23.25
17	23.67	23.82	23.93	23.33	21.90	20.84	20.20	23.39	23.00	23.86	23.31	23.35
18	23.67	23.83	23.98	23.10	21.90	20.79	20.44	23.19	23.10	23.85	23.24	23.30
19	23.67	23.73	23.96	22.85	21.90	20.77	20.44	23.10	23.12	23.81	23.25	23.21
20	23.67	23.75	23.96	22.85	21.93	20.70	20.40	23.15	23.08	23.70	23.22	23.19
21	23.66	23.82	23.92	22.79	21.97	20.35	20.38	23.12	23.04	23.58	23.28	23.26
22	23.74	23.82	23.96	22.79	22.01	20.14	20.35	23.00	22.93	23.52	23.30	23.29
23	23.80	23.75	23.96	22.65	22.00	20.13	20.35	22.90	22.86	23.46	23.26	23.29
24	23.80	23.72	23.90	22.22	---	20.07	20.42	22.82	22.80	23.34	---	23.28
25	23.82	23.73	23.88	22.57	---	20.03	20.40	22.74	22.78	23.36	23.19	23.31
26	23.82	23.66	23.83	22.62	---	20.03	20.24	22.82	22.79	23.35	23.19	23.35
27	23.82	23.73	23.82	22.59	---	19.98	20.28	22.89	22.79	23.35	23.20	23.36
28	23.82	23.74	23.82	22.82	---	19.90	20.60	22.95	22.74	23.34	23.23	23.33
29	24.56	23.73	23.80	22.81	---	19.83	21.48	23.00	22.85	23.51	23.23	23.30
30	24.53	23.74	23.90	22.81	---	19.94	22.03	23.00	22.90	23.42	23.25	23.31
31	24.25	---	23.90	22.81	---	19.93	---	22.95	---	23.44	23.25	---
MEAN	23.76	23.93	23.89	23.27	22.13	20.48	20.29	23.00	22.93	23.43	23.34	23.24
MAX	24.56	24.88	23.98	23.96	22.73	21.29	22.03	23.43	23.12	24.07	23.52	23.36
MIN	23.52	23.66	23.80	22.22	21.89	19.83	19.73	22.19	22.74	22.96	23.19	23.09

WTR YR 1999: HIGHEST 19.73, APRIL 2, 4; LOWEST 24.88, NOVEMBER 5.

