

LANCASTER COUNTY

395957076155201. Local number, LN 2041--Continued

LOCATION.--Lat 39°59'57", long 76°15'52", Hydrologic Unit 02050306, 40 ft upstream from bridge at intersection of Gypsy Hill Road and Long Rifle Road, and 1.5 mi north of Willow Street.

Owner: U.S. Geological Survey.

AQUIFER.--Quaternary age alluvium.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. PVC, depth 6 ft, cased to 6 ft, closed end, screened from 3.5 to 4.5 ft.

DATUM.--Land-surface datum is 294.78 ft above sea level. Measuring point: Top of casing, 1.7 ft above land-surface datum.

REMARKS.--Samples collected with peristaltic pump from recovery water after well pumped dry. The water-quality data for this well may be affected by problems associated with the initial construction of the well. Data are anomalous relative to other ground-water wells within the vicinity. The analytical values were verified, indicating that the data reflect actual values.

PERIOD OF RECORD.--November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	ALKA- LINITY WAT DIS LAB MG/L AS CACO3 (39087)
OCT 1999								
14...	0850	80020	1028	1.9	7.0	1080	15.0	390
NOV								
02...	0900	80020	1028	3.7	6.9	839	13.1	--
DEC								
07...	0855	80020	1028	4.6	7.2	783	9.9	--
JAN 2000								
05...	0900	80020	1028	3.6	7.2	1040	7.7	322
FEB								
09...	0930	80020	1028	4.8	7.3	768	4.0	--
MAR								
24...	0835	80020	1028	4.2	7.2	810	8.0	--
APR								
19...	0815	80020	1028	3.8	8.8	916	10.4	290
AUG								
14...	0842	1028	1028	3.3	7.3	735	19.2	--
SEP								
28...	0845	1028	1028	4.0	7.4	840	15.4	--

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STREP- TOCOCCI FECAL SURFACE KF AGAR (COLS. PER 100 ML) (31673)
OCT 1999							
14...	1.3	.061	.152	.011	.299	2.25	3200
NOV							
02...	--	.464	.265	--	--	2.37	230
DEC							
07...	--	.493	.315	--	--	2.17	1900
JAN 2000							
05...	.64	.183	1.03	<.010	.227	2.24	K240
FEB							
09...	--	.119	4.86	--	--	2.34	K40
MAR							
24...	--	<.020	2.99	--	--	1.85	55
APR							
19...	1.8	.228	1.94	.103	<.006	1.98	1000
AUG							
14...	--	--	--	--	--	2.46	8100
SEP							
28...	--	--	--	--	--	2.11	K2600