GROUND-WATER LEVELS

BUCHANAN COUNTY

370443082022301. Local number, 14E 40.

LOCATION.--Lat 37°04'43", long 82°02'23", Hydrologic Unit 05070202, 50 ft south of the intersection of State Highways 620 and 622, at Grissom School. Owner: U.S. Geological Survey.

AQUIFER.--Jawbone coal bed of Norton Formation of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in., depth 60 ft, cased to 14 ft, open hole 14 to 60 ft.

INSTRUMENTATION.--Data logger--15-minute record interval. June 1988 to September 1997, digital recorder--60-minute punch. October 1986 to June 1988, occasional measurement with chalked tape by USGS personnel. August 1982 to September 1983, digital recorder--60-minute punch.

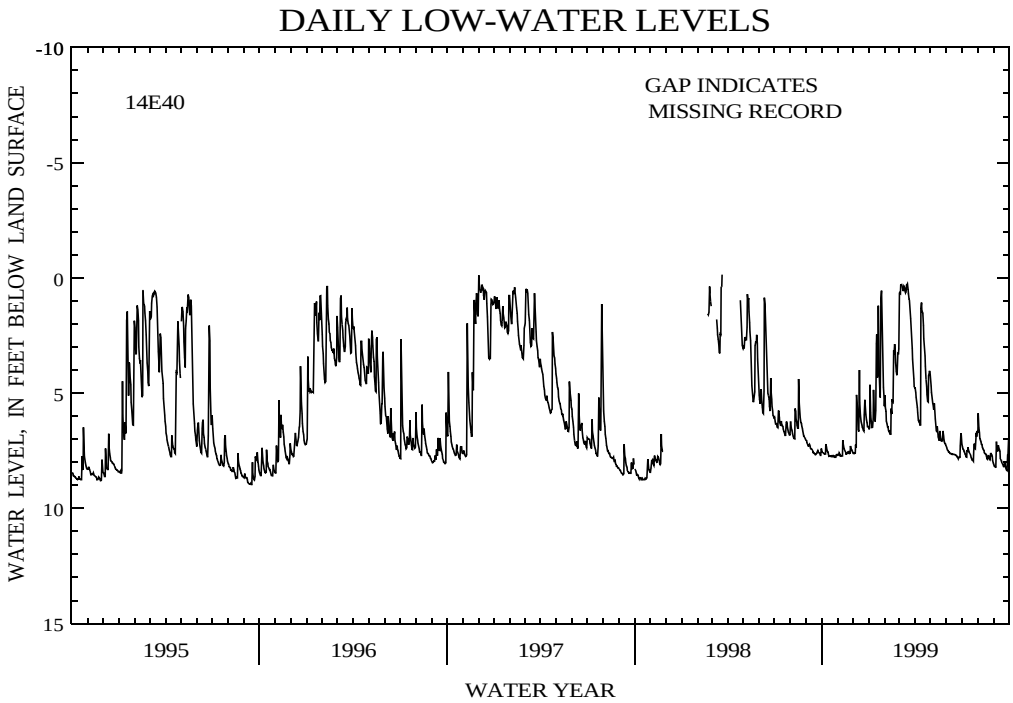
DATUM.--Elevation of land-surface datum is 1,820 ft above sea level, from topographic map. Measuring point: Top of casing, 0.8 ft above land-surface datum prior to May 30, 1995; 6.74 thereafter.

REMARKS.--Missing record due to recorder malfunction.

PERIOD OF RECORD.--August 1982 to September 1983, October 1986 to current year. Unpublished records available prior to October 1986 in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.25 ft above land-surface datum, Apr. 17, 1998; lowest recorded, 11.49 ft below land-surface datum, Oct. 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
LOWEST DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.60	7.64	7.61	6.10	6.31	.32	5.62	5.43	7.53	7.52	6.95	8.21
10	7.33	7.71	6.26	4.85	6.62	.34	6.37	6.12	7.63	7.77	7.34	7.26
15	7.74	7.49	5.94	2.85	5.25	.30	1.47	6.73	7.65	7.53	7.60	7.88
20	7.74	7.61	6.53	2.91	2.87	.91	3.38	6.90	7.69	7.86	7.85	8.17
25	7.71	7.60	5.72	.55	4.07	2.59	5.34	6.64	7.78	7.19	7.88	8.27
EOM	7.67	7.56	6.47	5.57	3.08	4.76	4.18	7.25	6.80	6.64	8.02	6.97

WATER YEAR 1999	HIGHEST RECORDED	0.03	MAR 03, 1999
	LOWEST RECORDED	8.34	SEP 27, 1999