



Water-Data Report 2007

411912092273601 Local number 75-14-10 BAAC

Undefined Aquifer
Mississippian System
Mahaska County, IA

LOCATION.--Lat 41°19'12.9", long 92°27'37.1" referenced to North American Datum of 1927, in NE ¼ NE ¼ NW ¼ sec.10, T.75 N., R.14 W., Mahaska County, IA, Hydrologic Unit 07080106, approximately 0.5 mi south of State Highway 92 in the Town of Rose Hill.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 370 ft. Upper casing diameter undefined, top of first opening undefined, bottom of last opening undefined. Drilled unused artesian well, casing interval unknown.

DATUM.--Land-surface datum is 810 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of recorder platform, 1.63 ft above land-surface datum, May 1, 1989 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--May 1989 to September 2004; August 2007.

GAGE.--Measurement with chalked tape by USGS personnel. Analog digital water-level recorder July 1990 to October 1992.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.03 ft below land-surface datum, May 5, 1999; lowest measured, 107.51 ft below land-surface datum, February 8, 1999.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measurement method	Water level status
Aug 24	100.90	S	--