



Water-Data Report 2007

411914092274701 Local number 75-14-10 BABC

Other aquifers
Mississippian System
Mahaska County, IA

LOCATION.--Lat 41°19'14", long 92°27'47" referenced to North American Datum of 1927, in NW ¼ NE ¼ NW ¼ sec.10, T.75 N., R.14 W., Mahaska County, IA, Hydrologic Unit 07080106, approximately 0.45 mi south of State Highway 92, behind City Hall in the Town of Rose Hill.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 273 ft. Upper casing diameter 5.5 in, top of first opening 106 ft, bottom of last opening 273 ft. Drilled unused artesian well, cased to 106 ft, open hole 106-273 ft.

DATUM.--Land-surface datum is 817 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.56 ft above land-surface datum, May 5, 1993 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--September 1988 to September 2004; August 2005; June 2006 to September 2006; August 2007.

GAGE.--Measurement with chalked tape by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.56 ft below land-surface datum, May 17, 1995; lowest measured, 106.03 ft below land-surface datum, May 5, 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	100.41	S	--