



Water-Data Report 2007

412030092121601 Local number 76-12-35 DBDC

Other aquifers
Mississippian System
Keokuk County, IA

LOCATION.--Lat 41°20'26.5", long 92°12'22.9" referenced to North American Datum of 1927, in SE ¼ NW ¼ SE ¼ sec.35, T.76 N., R.12 W., Keokuk County, IA, Hydrologic Unit 07080106, approximately 0.25 mi north of the town of Sigourney, 0.25 mi north of State Highway 92.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 300 ft. Upper casing diameter 14 in, top of first opening 128 ft, bottom of last opening 300 ft. Drilled unused artesian well, cased to 128 ft, open hole 128-300 ft.

DATUM.--Land-surface datum is 761 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.87 ft above land-surface datum, February 22, 1996 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--August 1942; July 1988 to September 2004; August 2005; June 2006 to September 2006; August 2007.

GAGE.--Measurement with chalked tape by USGS personnel. Analog digital water-level recorder January 1989 to September 1992.

REMARKS.--Water levels affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.99 ft below land-surface datum, May 17, 1995; lowest measured, 120.00 ft below land-surface datum, August 1, 1942.

**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	102.77	S	--