



Water-Data Report 2007

**415808091160501 Local number 83-04-25 CBBB**

Silurian-Devonian aquifers  
Silurian System  
Jones County, IA

LOCATION.--Lat 41°58'08", long 91°16'05" referenced to North American Datum of 1927, in NW ¼ NW ¼ SW ¼ sec.25, T.83 N., R.4 W., Jones County, IA, Hydrologic Unit 07080103, 4 mi north of the Town of Mechanicsville and 1 mi west of County Highway X40.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 517 ft. Upper casing diameter 6 in, top of first opening 41 ft, bottom of last opening 517 ft. Drilled observation artesian water well, open hole 41-517 ft.

DATUM.--Land-surface datum is 807 ft above National Geodetic Vertical Datum of 1929. Measuring point: nipple welded to plate on top of casing, 2.16 ft above land-surface datum, March 24, 1987 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--July 1976 to September 2004; June 2006 to September 2006; August 2007.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.78 ft below land-surface datum, May 3, 1993; lowest measured, 6.21 ft below land-surface datum, September 11, 1989.

**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 31	4.04	S	--