



Water-Data Report 2007

421149091403301 Local number 85-07-04 CCCC

Silurian-Devonian aquifers
Silurian System
Linn County, IA

LOCATION.--Lat 42°11'50.8", long 91°40'34.0" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.4, T.85 N., R.7 W., Linn County, IA, Hydrologic Unit 07080205, approximately 5 mi east of the Town of Center Point, north side of County Highway E16.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 435 ft. Upper casing diameter 6 in, top of first opening 41 ft, bottom of last opening 435 ft. Drilled observation artesian water well, open hole 41-129 ft and 147-435 ft. Devonian rock 23-139 ft, Silurian rock 139-431 ft.

DATUM.--Land-surface datum is 912 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of nipple welded to plate on top of casing, 1.21 ft above land-surface datum, June 9, 1987 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--July 1973 to September 2004; June 2006 to September 2006; August 2007.

GAGE.--Measurement with chalked tape by USGS personnel. Graphic water-level recorder March 1974 to December 1979. Intermittent measurement with chalked tape by USGS personnel July 1973 to March 1974.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.06 ft below land-surface datum, June 10, 1974; lowest measured, 34.27 ft below land-surface datum, December 1, 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 21	24.57	S	--