



Water-Data Report 2007

424850096074801 Local number 92-45-02 CBCB

Other aquifers
 Paleozoic Erathem
 Plymouth County, IA

LOCATION.--Lat 42°48'50", long 96°07'48" referenced to North American Datum of 1927, in SW ¼ NW ¼ SW ¼ sec.2, T.92 N., R.45 W., Plymouth County, IA, Hydrologic Unit 10230002, approximately 3.8 mi west and 0.6 mi south of the Village of Oyens.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 1,340 ft. Upper casing diameter 5 in, top of first opening 598 ft, bottom of last opening 1,340 ft. Drilled observation artesian water well, cased to 598 ft, open hole 598-1,340 ft. Well deepened from 1,089 ft to 1,340 ft in May 1984. Open to Ordovician rock 568-782 ft, Cambrian rock 782-1,062 ft, and Precambrian rock 1,062-1,340 ft.

DATUM.--Land-surface datum is 1,245 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.80 ft above land-surface datum, August 28, 1984 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--May 1979 to January 1981; May 1982 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well D-21.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.40 ft below land-surface datum, May 6, 1996; Lowest measured, 102.64 ft below land-surface datum, August 7, 2000.

**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	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Aug 23	60.93	S	--	Sep 26	60.99	S	--

Water year 2007 highest: 60.93 Aug 23, 2007; lowest: 60.99 Sep 26, 2007