



Water-Data Report 2007

**404422093445602 Local number 69-25-29 DDDD**

Cambrian-Ordovician aquifer system  
 Jordan Sandstone  
 Decatur County, IA

LOCATION.--Lat 40°44'24", long 93°44'58" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.29, T.69 N., R.25 W., Decatur County, IA, Hydrologic Unit 10280102, approximately 7 mi east of Interstate 35 in the City of Leon, in open field between State Highway 2 and NW Second Avenue on NW School Street.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 2,853 ft. Upper casing diameter 18 in, top of first opening 2,365 ft, bottom of last opening 2,853 ft. Drilled well, screened 2740-2790 ft, gravel-packed.

DATUM.--Land-surface datum is 1,105.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.70 ft above land-surface datum, May 30, 1996 to present. Land-surface datum from levels.

PERIOD OF RECORD.--October 1963; May 1996 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 390.00 ft below land-surface datum, October 25, 1963; lowest measured, 454.37 ft below land-surface datum, September 24, 2007.

**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
Sep 6	454.34	S	--	Sep 24	454.37	S	--

Water year 2007 highest: 454.34 Sep 6, 2007; lowest: 454.37 Sep 24, 2007