



Water-Data Report 2007

420249097415501 Local number 24N 3W17CCC 1

High Plains Aquifer
 Plio-Pleistocene, Sand and Gravel Deposits, Undifferentiated
 Madison County, NE

LOCATION.--Lat 42°02'49.10", long 97°41'54.57" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.17, T.24 N., R.3 W., Madison County, NE, Hydrologic Unit 10220001.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 41.5 ft. Upper casing diameter 2.5 in, top of first opening 31.5 ft, bottom of last opening 41.5 ft.

DATUM.--Land-surface datum is 1630 ft above North American Vertical Datum of 1988. Measuring point: Top of Casing, 3.2 ft above land-surface datum, June 3, 1999, to present.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3
 [Remark codes: <, less than.]

Date	Time	Depth to water level, feet below LSD (72019)	Pump or flow period to sampling, minutes (72004)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Carbon dioxide water, unfltrd mg/L (00405)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unfltrd lab, µS/cm 25 degC (90095)	Specif-ic conduc-tance, wat unfltrd lab, µS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
Jun 25...	1600	21.18	5	.5	26	2.9	6.8	7.4	437	421	14.0	180	53.6

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 3
 [Remark codes: <, less than.]

Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-ium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium frac-tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L as N (00608)
Jun 25...	11.7	5.04	.3	10	9.49	86	5.57	.14	35.4	40.1	317	.43	<.020

420249097415501 Local number 24N 3W17CCC 1—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, µg/L (01046)	Mangan- ese, water, fltrd, µg/L (01056)
Jun 25...	23.6	<.002	.452	.148	<6	.3