



Water-Data Report 2009

410254096054401 Local number 13N 12E32 CD1 (P-115)

Alluvial aquifers
 Sand and Gravel Deposits
 Cass County, NE

LOCATION.--Lat 41°02'54", long 96°05'44" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.32, T.13 N., R.12 E., Cass County, NE, Hydrologic Unit 10200202.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 43 ft. Upper casing diameter 4.5 in; top of first opening 33 ft, bottom of last opening 43 ft.

DATUM.--Land-surface datum is 995 ft above National Geodetic Vertical Datum of 1929.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 2

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif- ic conduc- tance, wat unf µS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Alti- tude of land surface feet (72000)	Depth of well, feet below LSD (72008)	Hydro- gen ion, water, unfltrd calcd, mg/L (00191)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)
Sep 18...	1400	738	24.9	M	.0	7.4	798	17.1	995	43.00	.00004	1.96	1.52

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 2

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L (71856)	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)	Tri- zine screen, wat flt ELISA, µg/L as atrazin (34756)
Sep 18...	.09	.373	.08	.026	.008	.698	.228	<.10