



Water-Data Report NE-2005

411227103011702 Local number 14N 50W 2DC 2

Ogallala Aquifer

Cheyenne County, NE

LOCATION.--Lat 41°12'27", long 103°01'17", in SW ¼ SE ¼ sec.2, T.14 N., R.50 W., Cheyenne County, Hydrologic Unit is unknown.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 276 ft. Upper casing diameter 2.5 in; top of first opening 266 ft, bottom of last opening 276 ft.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 4335.02 ft above National Geodetic Vertical Datum of 1988. Measuring point: undefined.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 1 of 4

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; n, below the LRL and above the LT-MDL; o, result determined by alternate method.]

Date	Time	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Barometric pressure, mm Hg (00025)	Carbon dioxide, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
Mar 30...	1700	164.72	1.5	80	180	650	2.7	5.7	8.0	8.0	323	359	8.0

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 2 of 4

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Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Alkalinity, wat fltrd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
Mar 30...	16.0	100	26.7	9.06	8.35	1	33.5	39	135@c	134@c	3.64	1.4	67.1

411227103011702 Local number 14N 50W 2DC 2—Continued

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 3 of 4

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Date	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)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, ug/L (01106)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)	Stront- ium, water, fltrd, ug/L (01080)
Mar 30...	35.8	276	.38	<.04	2.09	E.005n	<.02	Mnoc	12.1	80	<6	<.6	372

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2004
TO SEPTEMBER 2005**

Part 4 of 4

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Date	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
Mar 30...	-97.80	-13.27