



Water-Data Report NE-2005

411035103063001 Local number 14N 51W24ADDA1

Cheyenne County, NE

LOCATION.--Lat 41°10'35", long 103°06'30", in SE ¼ SE ¼ NE ¼ sec.2, T.14 N., R.51 W., Cheyenne County, Hydrologic Unit is unknown.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 182 ft. Upper casing diameter 2.5 in; top of first opening 152 ft, bottom of last opening 182 ft.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 4198.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: undefined.

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

Part 1 of 4

[Remark codes: <, less than; V, value affected by contamination. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; 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 water, unfltrd mg/L (00405)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unfltrd lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unfltrd lab, uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)
Apr 05...	1500	42.68	1.5	115	140	650	3.4	4.8	8.2	8.1	443	468	5.0

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

Part 2 of 4

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Date	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Alka-linity, wat flt end lab, mg/L as CaCO3 (29801)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
Apr 05...	8.5	39	10.1	3.23	8.62	6	89.5	80	253@c	192@c	11.3	1.1	64.7

411035103063001 Local number 14N 51W24ADDA1—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 (00660)	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)
Apr 05...	33.3	341	.46	<.04	.83	<.008	.123	.04	2oc	13.0	240	<6	V2.6

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

Part 4 of 4

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Date	Stront- ium, water, fltrd, ug/L (01080)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
Apr 05...	201	-99.00	-13.20