413341096325503 Local number 18N 8W 5ACDC3 NAWQA WELL ACTFS1-2C

Sand and Gravel Aquifer

Dodge County, NE

LOCATION.--Lat 41°33'41.0", long 96°32'54.7", in SE ¼ NE ¼ SW ¼ sec.5, T.18 N., R.8 E., Dodge County, Hydrologic Unit 10220003.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 104.5 ft. Upper casing diameter 2 in; top of first opening 102.5 ft, bottom of last opening 104.5 ft.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1290.56 ft above National Geodetic Vertical Datum of 1988. Measuring point: top of casing, -.25 ft below land-surface datum.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 11

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Date	Time	Depth to water level, feet below LSD (72019)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Sam-pling depth, feet (00003)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorb-ance, 254 nm, wat flt units /cm (50624)	SUVA, 254 nm, abs L/ (mgDOC* meter) (63162)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)
Oct													
07...	0930	70.79	1.0	37	99.0	.5	.009	.9	730	.1	6.5	7.3	317

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 11

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Date	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	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)	Alka-linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Bromide water, fltrd, mg/L (71870)
Oct													
07...	342	14.0	12.8	150	31	40.9	10.6	5.77	.4	12.0	15	115@c	.04

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 3 of 11
[Remark codes: <, less than; U, analyzed for but not detected; V, value affected by contamination. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; d, diluted sample: method hi range exceeded.]

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Sulfide water, fltrd, field, mg/L (99118)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	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)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L (00660)
Oct													
07...	4.76	.2	25.9	55.5	.280	226	.29	216	<.04	<.06	<.008	<.06	.813

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 4 of 11
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Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Hydrogen sulfide water unfltrd mg/L (71875)	Iron (II), water, fltrd, field, mg/L (99114)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA ug/L (62850)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)
Oct													
07...	.265d	V1.0	U	.030	8	41.5	<.09	<.006	<.02	<.005	<.006	<.004	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 5 of 11
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Date	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor ESA, water, fltrd 0.7u GF ug/L (61029)	Acetochlor OA, water, fltrd 0.7u GF ug/L (61030)	Acetochlor SAA, water, fltrd, ug/L (62847)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor ESA SA, water, fltrd, ug/L (62849)	Alachlor ESA, water, fltrd 0.7u GF ug/L (50009)	Alachlor OA, water, fltrd 0.7u GF ug/L (61031)	Alachlor SAA, water, fltrd, ug/L (62848)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH-d6, surrog, Sch2003 wat flt percent recovry (99995)	Atrazine, wat flt immunoassay unadj. ug/L (99775)	Atrazine, water, fltrd, ug/L (39632)
Oct													
07...	<.006	<.02	<.02	<.02	<.006	<.02	<.02	<.02	<.02	<.005	92.6	<.10	<.007

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 6 of 11
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Date	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
Oct													
07...	<.07	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 7 of 11
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Date	Diazinon-d10 surrog, Sch2003 wat flt percent recovry (99994)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethenamid ESA, water, fltrd, ug/L (61951)	Dimethenamid OA, water, fltrd, ug/L (62482)	Dimethenamid water, fltrd, ug/L (61588)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)
Oct													
07...	84.4	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 8 of 11
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Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flufenacet ESA, water, fltrd, ug/L (61952)	Flufenacet OA, water, fltrd, ug/L (62483)	Flufenacet, water, fltrd, ug/L (62481)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)
Oct													
07...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 9 of 11
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Date	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metolachlor OA, water, fltrd 0.7u GF ug/L (61044)	Metolachlor, water, fltrd 0.7u GF ELISA, ug/L (82694)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)
Oct													
07...	<.005	<.006	<.03	<.015	<.02	<.02	<.10@	<.006	<.006	<.008	<.022	<.10	<.011

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 10 of 11
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Date	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
Oct													
07...	<.05	<.008	<.01	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009

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WATER-QUALITY DATA WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 11 of 11

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Date	Di-chlor-vos, water fltrd, ug/L (38775)
Oct	
07...	<.01