

(200)
R290
no 81-62

Table 1.--Results of aquifer tests.

Well location	Length of test (days)	Well depth (feet)	Perforated interval (feet)	Static water level below land surface (feet)	Drawdown (feet)	Average discharge (gallons per minute)	Transmissivity (feet squared per day)	Hydraulic conductivity (feet per day)
09N-06E-20ABD-1	2.2	816	275	259	160	290	490	2
12N-06E-27BCB-1	3	420	45	172	186	90	130	3
15N-06E-28DBD-1	2.5	408	59	125	57	40	190	3
17N-05E-03ACB-1	2	697	200	168	155	208	280	2
17N-07E-08CBD-1	2	425	40	219	161	110	170	4
18N-06E-36DAD-1	1	538	--	206	138	60	70	-
18N-06E-36DAA-1	1	275	--	214	172	85	70	-

Table 2.--Records of wells in the Vamoosa-Ada aquifer.

[Water use: C, commercial; H, domestic; I, irrigation; N, industrial; P, public supply; S, stock supply; U, unused. Units of measurement: ft, (feet); in., (inches); gal/min, (gallons per minute); umhos/cm, (micromhos per centimeter at 25° Celsius)]

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
CREEK COUNTY									
14N-07E-05 CDC	130	6	U	57	10-74	---	895	---	
14N-07E-09 ABA	168	8	H	146	10-74	---	945	360	
14N-07E-09 CCB	104	6	U	89	9-70	---	910	---	
14N-07E-10 CBB	153	--	H	113	4-71	---	890	896	X
14N-07E-11 ABC	46	6	U	41	10-70	---	810	---	
14N-07E-12 CCC	61	--	H	37	10-74	---	800	---	
14N-07E-16 CAA	45	--	H	43	10-74	---	860	---	
14N-07E-23 DDD	35	--	H	26	4-70	---	820	---	
14N-08E-04 AAC	55	--	H	20	6-70	---	775	251	X
14N-08E-06 CCB	13	6	U	12	10-74	---	760	---	
14N-08E-07 BCD	24	--	H	13	10-74	---	760	221	
15N-07E-10 CBD	68	6	U	24	10-70	---	840	---	
15N-07E-12 DAA	42	10	U	32	10-74	---	902	---	
15N-07E-13 BAA	108	6	H	77	10-74	---	910	---	
15N-07E-14 BAB	142	6	H	90	10-74	---	890	920	
15N-07E-15 ADD	35	6	U	33	10-74	---	845	---	
15N-07E-24 AAD	122	8	U	87	10-74	---	865	---	
15N-07E-25 AAD	74	6	U	29	10-74	---	880	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
CREEK COUNTY--Continued									
15N-07E-25 CCC	149	6	H	65	10-74	---	820	365	X
15N-07E-27 BBB	95	--	H	35	11-70	---	810	---	
15N-07E-27 BBC	58	6	U	20	11-70	---	817	---	
15N-07E-30 DAB	95	6	U	36	10-74	---	780	---	
15N-07E-32 BBC	216	6	S	108	10-74	---	950	6828	
15N-08E-04 BBC	162	8	I	3	---	370	800	---	
15N-08E-06 CDB	185	--	P	---	---	35	820	426	X
15N-08E-20 CDD	71	6	H	25	10-74	---	840	---	
15N-08E-30 CBB	107	10	H	72	10-74	---	845	445	
16N-07E-09 BA-	650	10	N	206	---	---	965	---	
16N-07E-11 DCC	45	6	H	28	2-75	---	900	830	
16N-07E-14 CAC	30	6	H	21	11-70	---	890	---	
16N-07E-14 DBC	40	6	H	26	11-70	---	860	1390	
16N-07E-18 ABB	29	6	H	22	2-75	---	915	---	
16N-07E-21 ADA	117	--	H	---	---	---	925	110	X
16N-07E-33 DDA	99	--	-	---	---	---	885	536	X
16N-07E-35 AB-	650	12	I	77	9-70	90	880	---	
16N-08E-09 DDA	48	8	U	26	11-70	---	88-	---	
16N-08E-22 CCD	92	8	U	65	10-70	---	850	---	
17N-07E-06 ACB	260	--	P	85	---	35	930	---	
17N-07E-08 CBD	425	13	P	219	11-75	110	---	908	
17N-07E-08 CCA	487	--	P	135	---	---	920	644	X
17N-07E-25 ADD	130	--	H	40	4-71	---	1010	244	X
17N-07E-30 DAD	142	6	U	60	1-75	---	1030	211	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
CREEK COUNTY--Continued									
17N-08E-02 CDD	42	8	U	21	12-74	---	885	---	
17N-08E-08 ACC	136	--	H	---	---	---	920	382	X
17N-08E-09 AAA	41	6	U	25	12-74	---	950	---	
17N-08E-09 BBA	97	--	H	34	10-74	---	910	470	
17N-08E-11 DCD	53	6	U	27	10-70	---	820	---	
17N-08E-16 ADA	97	--	H	22	10-74	---	850	535	
17N-08E-18 AAA	164	6	H	44	10-74	---	930	555	
17N-08E-19 BBC	60	--	H	30	10-74	---	1010	175	
17N-08E-20 AAC	157	--	H	119	10-74	---	945	550	
17N-08E-23 BBB	59	--	H	20	10-74	---	900	530	
17N-08E-29 DAD	130	--	H	33	10-74	---	925	930	
17N-08E-30 CBB	58	6	U	41	11-69	---	970	---	
17N-08E-33 BAB	60	6	U	12	1-75	---	910	---	
17N-08E-35 BDA	121	6	H	24	1-75	30	960	51	X
18N-06E-36 DAD	538	8	P	206	8-75	---	940	654	X
18N-06E-36 DAA	362	--	P	206	10-75	---	960	---	
18N-06E-36 DDD	490	7	P	100	---	75	950	546	X
18N-07E-13 AAD	77	--	-	64	8-71	---	850	218	X

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
CREEK COUNTY--Continued									
18N-07E-16 BAD	600	--	P	276	4-75	---	940	1300	X
18N-07E-20 A--	124	--	C	--	---	---	870	733	X
18N-07E-28 CBC	443	10	N	265	---	---	830	---	
18N-07E-35 DDA	230	--	H	---	---	---	1000	648	X
18N-08E-09 DDD	70	6	H	45	4-75	---	935	190	
18N-08E-14 DAD	99	6	H	42	2-75	---	990	520	
18N-08E-18 BCC	120	--	H	50	11-72	---	800	376	X
18N-08E-23 BBD	94	6	U	73	12-74	---	905	---	
18N-08E-26 CDC	98	--	H	14	1-75	---	890	---	
18N-08E-32 CCC	50	8	H	35	1-75	---	880	900	
18N-08E-32 ABD	44	5	U	8	1-75	---	890	---	
18N-08E-33 DDD	194	6	U	22	1-75	---	925	126	X
19N-07E-03 CDD	180	6	H	60	2-73	---	810	1530	X
19N-07E-20 AAA	120	6	H	105	4-75	---	860	750	
19N-07E-25 CDC	180	6	H	---	---	---	823	350	
19N-08E-04 DCC	67	6	H	35	2-73	---	800	208	X
19N-08E-24 ACB	125	6	H	30	4-75	---	805	---	
19N-08E-33 AAA	198	4	U	29	4-75	---	900	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
LINCOLN COUNTY									
12N-05E-35 DDC	97	8	U	64	1-75	---	1005	---	
12N-06E-01 AAA	173	6	H	72	10-74	---	890	521	
12N-06E-06 BAB	71	--	U	17	1-75	---	850	---	
12N-06E-10 BCC	67	5	U	21	1-75	---	780	760	
12N-06E-20 DDB	356	--	P	---	---	---	---	600	
12N-06E-20 DAC	367	--	P	---	---	---	---	690	
12N-06E-24 CCC	124	6	H	56	1-75	---	970	---	
12N-06E-27 BCB	420	8	P	172	5-75	90	1010	---	
12N-06E-28 DAD	412	8	P	---	---	---	1005	1040	X
12N-06E-29 CCA	374	--	P	---	---	---	---	650	
13N-06E-08 AAA	46	6	P	7	1-75	---	---	---	
13N-06E-14 DDD	74	6	U	17	1-75	---	860	---	
13N-06E-18 DCD	42	--	U	24	1-75	---	950	---	
13N-06E-25 BCC	137	--	-	63	10-74	15	860	---	
13N-06E-28 DDC	183	6	H	40	1-75	---	825	865	
13N-06E-29 AAA	26	--	-	12	1-75	---	910	490	
13N-06E-31 ADD	100	6	H	27	1-75	---	910	605	
14N-06E-02 AAD	180	--	H	128	10-74	---	885	1535	
14N-06E-11 ABB	69	6	H	64	2-75	---	845	880	
14N-06E-35 BCC	62	--	U	32	2-75	---	810	---	
15N-06E-02 CCB	77	--	U	37	10-74	---	920	---	
15N-06E-07 BAB	190	--	H	41	10-74	---	960	817	
15N-06E-10 BBA	124	8	H	44	10-74	---	905	767	
15N-06E-12 BCB	130	6	H	67	10-74	---	910	789	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
LINCOLN COUNTY--Continued									
15N-06E-12 CBB	126	6	U	81	10-74	---	890	---	
15N-06E-15 BDD	260	5	U	30	10-74	---	925	655	
15N-06E-17 DDB	120	8	H	53	10-74	---	885	1180	
15N-06E-25 CBD	41	8	U	22	10-74	---	825	---	
15N-06E-28 DBA	275	7	P	---	---	18	---	---	
15N-06E-28 DBD	408	7	P	130	7-75	40	900	720	X
15N-06E-28 DAD	265	7	P	60	6-75	35	880	---	
15N-06E-29 AAA	339	7	P	182	6-75	---	890	---	
15N-06E-36 BAA	248	8	H	83	10-74	---	850	748	
16N-05E-23 DDD	196	8	S	25	2-75	---	960	1160	X
16N-05E-36 BBC	115	6	U	29	2-75	---	935	825	
16N-06E-03 DCD	43	6	U	7	2-75	---	1005	---	
16N-06E-05 CCC	111	6	H	32	2-75	---	910	---	
16N-06E-22 ABB	107	8	H	76	3-75	---	1025	490	
16N-06E-23 BBB	97	6	-	21	3-75	---	990	3600	X
16N-06E-33 ACD	160	6	H	91	10-74	---	945	575	
17N-05E-23 B--	357	6	N	85	8-52	---	980	3680	X

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
OKFUSKEE COUNTY									
11N-06E-12 DDC	188	6	H	104	1-75	---	975	370	
11N-07E-12 AAA	60	--	-	34	2-70	---	895	---	
11N-07E-16-DCC	85	6	U	63	2-70	---	1015	---	
11N-08E-11 CBB	66	5	H	24	1-75	---	925	990	
12N-07E-02 BBC	104	--	H	70	10-74	---	860	164	
12N-07E-04 ABA	110	8	H	50	10-74	---	940	432	
12N-07E-06 ADD	72	8	H	46	10-74	---	940	---	
12N-07E-07 AAD	181	7	-	43	10-74	---	890	---	
12N-07E-08 DAD	106	8	-	23	10-74	---	895	---	
12N-07E-10 ABD	126	--	U	42	10-74	---	880	546	
12N-07E-11 ABB	121	8	H	54	10-74	---	870	390	
12N-07E-13 CDD	41	5	U	16	2-70	---	870	---	
12N-07E-17 DCC	157	8	H	97	10-74	---	990	---	
12N-07E-18 ADA	142	8	H	129	10-74	---	990	---	
12N-07E-20 BBA	104	6	H	55	10-74	---	940	620	
12N-07E-21 AAA	300	--	P	---	---	60	1010	---	
12N-07E-27 BBB	105	6	H	---	---	---	965	708	X
12N-08E-08 BAA	87	6	U	58	10-74	---	910	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
OKFUSKEE COUNTY--Continued									
13N-07E-09 CCC	67	5	H	20	10-74	---	800	633	
13N-07E-12 DCD	45	6	U	23	10-74	---	845	---	
13N-07E-13 DDD	101	6	U	4	10-74	---	818	---	
13N-07E-16 ADA	130	--	H	52	10-74	---	850	485	
13N-07E-19 CCD	112	4	U	76	---	---	---	2750	
13N-07E-20 BBC	52	6	U	43	12-69	---	800	---	
13N-07E-21 DDC	131	--	H	--	---	---	900	413	X
13N-07E-25 AAB	92	6	U	37	10-74	---	835	---	
13N-07E-25 ABB	48	5	H	23	1-71	---	880	---	
13N-07E-26 ABA	140	6	H	41	10-74	---	830	610	
13N-07E-26 CCB	56	6	U	44	10-74	---	---	---	
13N-07E-28 ABB	52	8	H	32	10-74	---	930	---	
13N-07E-31 ADD	254	8	H	49	10-74	---	890	---	
13N-08E-08 DAA	32	6	H	14	2-70	---	850	172	X
13N-08E-20 DDA	44	5	U	23	2-70	---	850	---	
13N-08E-31 ADA	46	6	H	26	10-74	---	925	830	
13N-08E-32 CDD	50	6	H	32	10-74	---	885	580	
13N-08E-32 DDC	54	6	U	47	10-74	---	910	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
OSAGE COUNTY									
21N-07E-03 ABB	389	--	H	150	---	30	1000	---	
21N-07E-11 CAA	42	--	S	24	7-73	---	800	256	X
21N-08E-12 CBD	300	8	U	215	4-75	---	915	---	
21N-08E-24 BDB	130	--	H	60	---	6	749	---	
21N-08E-24 BDC	130	--	H	60	---	7	754	---	
21N-09E-23 DCC	220	--	H	161	4-75	---	940	600	
22N-07E-08 CDD	150	--	H	60	---	15	870	---	
22N-07E-16 BBD	21	2	H	14	---	---	765	999	X
22N-08E-04 BCC	120	--	H	60	---	20	1025	---	
22N-08E-11 DDC	152	6	H	71	4-75	---	810	1550	
22N-08E-15 CDD	250	6	H	60	11-73	---	910	360	
22N-08E-31 ACC	125	6	H	115	4-75	---	810	1020	
22N-08E-33 BAA	100	--	H	---	---	---	860	708	X
22N-08E-35 BDA	465	--	H	150	---	30	1020	---	
22N-09E-08 ABC	110	--	H	60	---	20	780	---	
22N-09E-16 BDA	187	6	U	75	4-74	---	---	---	
22N-09E-17 CCC	200	--	H	50	---	10	805	770	X
23N-07E-09 BDA	87	--	S	42	---	---	910	740	X
23N-08E-07 DCC	350	--	H	85	4-75	---	1040	2995	X
23N-08E-11 DDA	65	6	H	---	---	---	790	1360	
23N-09E-02 BAC	141	--	U	21	4-74	---	890	---	
23N-09E-06 CCB	169	10	H	32	10-74	---	795	---	
23N-09E-07 DCC	201	5	H	---	---	3	---	820	
23N-09E-10 DAA	55	--	H	9	---	---	820	598	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
OSAGE COUNTY--Continued									
23N-09E-25 BCC	187	6	S	96	4-75	---	850	1010	X
23N-09E-27 DDD	99	--	H	27	4-75	---	770	---	
23N-10E-06 ACC	70	8	H	13	3-75	---	890	150	
23N-10E-08 DDD	185	6	H	131	4-75	---	900	260	
24N-07E-35 DCC	55	10	S	22	1-73	---	980	---	
24N-08E-11 BAC	75	5	H	75	10-74	---	900	965	
24N-08E-14 DDD	27	24	H	2	10-74	---	850	525	
24N-08E-33 CCA	25	--	H	---	---	---	850	862	X
24N-08E-35 ADB	26	30	U	10	10-74	---	850	1320	
24N-08E-36 CAD	86	5	H	80	10-74	---	820	---	
24N-09E-01 AAD	227	--	H	151	10-74	---	875	---	
24N-09E-03 DAA	260	6	H	152	4-75	---	885	1060	X
24N-09E-03 CBC	280	6	H	104	4-75	---	930	---	
24N-09E-08 BAC	130	5	H	55	10-74	---	920	470	
24N-09E-10 BAA	200	6	H	100	4-75	---	875	---	
24N-09E-20 ABB	325	--	H	---	---	---	1005	406	X
24N-09E-27 ABA	107	--	H	27	4-75	---	895	---	
24N-10E-06 BBA	260	--	H	150	---	20	880	---	
25N-07E-10 AAA	300	--	H	211	3-75	---	1090	710	
25N-07E-31 ADA	40	--	S	15	4-73	---	980	---	
25N-08E-02 DDD	235	6	P	114	3-75	---	975	670	
25N-08E-03 DDD	235	--	H	150	11-72	6	960	---	
25N-08E-11 ABB	300	--	H	150	---	10	950	---	
25N-08E-28 DAD	115	--	H	63	10-74	---	1060	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
OSAGE COUNTY--Continued									
25N-08E-29 ACD	235	10	U	86	10-74	---	1065	---	
25N-09E-01 BCC	84	6	U	37	3-75	---	800	---	
25N-09E-01 DBD	106	6	H	---	---	---	780	580	
25N-09E-08 DAA	188	6	H	133	4-75	---	855	1100	
25N-09E-20 CAA	172	6	H	84	---	---	1025	1420	
25N-09E-24 BAD	240	--	H	85	---	---	845	978	X
25N-09E-33 ADA	97	6	U	70	4-75	---	895	---	
25N-09E-35 BAA	45	6	H	4	4-75	---	885	1080	
25N-09E-35 BAD	255	--	H	150	---	20	900	1090	X
25N-10E-17 CCB	83	6	H	21	---	---	760	950	
25N-10E-35 DCB	200	--	-	100	---	15	800	---	
26N-08E-01 ADD	210	12	U	170	3-73	---	990	---	
26N-08E-09 BDC	28	--	H	6	---	---	1025	210	
26N-08E-32 BBC	100	6	H	9	4-75	---	1010	1080	
26N-09E-08 BDC	60	6	U	6	4-75	---	1005	---	
26N-09E-14 ACB	109	6	H	20	---	---	870	291	X
26N-09E-23 CCC	222	5	H	---	---	7	980	---	
26N-09E-31 CBC	127	6	H	44	4-75	---	980	1200	
26N-09E-32 DDD	40	--	H	18	4-75	---	775	1750	
26N-10E-03 ACA	256	--	H	140	---	---	900	---	
26N-10E-03 ABB	255	6	H	50	---	---	925	---	
26N-10E-09 ADA	130	--	H	15	---	---	775	2695	X
26N-10E-28 AAA	44	--	U	27	3-75	---	900	---	
27N-08E-03 ACC	227	--	S	9	3-75	---	1050	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
OSAGE COUNTY--Continued									
27N-08E-20 ADD	100	--	S	21	3-75	---	1000	---	
27N-09E-27 ACC	125	6	H	30	---	---	850	1120	X
28N-07E-29 DDA	900	--	H	---	---	---	---	4000	X
28N-08E-03 AAA	300	--	H	180	---	---	940	1010	X
28N-08E-08 DDA	500	--	H	460	---	---	1030	2070	X
28N-09E-15 DAC	160	--	H	6	---	---	875	893	X
28N-10E-11 DBB	141	--	U	31	3-75	---	900	---	
28N-10E-17 BBB	125	--	S	80	3-73	---	820	---	
28N-10E-33 ADA	153	6	H	92	---	---	900	394	X
28N-11E-04 DBB	78	6	H	30	11-72	---	735	---	
28N-11E-10 ABD	90	6	H	29	11-72	---	775	---	
28N-11E-28 DAB	125	--	U	11	3-75	---	800	---	
29N-09E-23 CDA	90	--	H	30	---	---	790	1210	X
29N-10E-13 BCD	100	8	H	37	3-75	---	900	580	
29N-10E-23 CCC	73	--	H	21	3-75	---	760	890	
29N-10E-29 BCA	125	6	H	36	---	5	---	3520	
29N-10E-29 BDC	65	8	U	42	12-71	---	875	922	X
29N-11E-19 DDD	59	8	U	18	3-75	---	800	---	
29N-11E-33 DDC	80	6	H	9	11-72	---	---	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
PAYNE COUNTY									
17N-05E-03 ACB	697	4	P	167	10-75	200	920	575	X
17N-06E-16 CDD	97	6	S	36	2-75	---	830	---	
18N-06E-16 DDD	30	6	S	18	---	---	---	864	X
18N-06E-17 CCC	136	4	H	48	---	---	820	1300	
18N-06E-28 BCC	183	8	H	7	4-75	---	810	1010	
18N-06E-31 BCB	160	8	H	86	4-75	---	890	1950	X
POTTAWATOMIE COUNTY									
08N-05E-33 AAB	668	--	-	---	---	---	945	2090	X
08N-05E-33 ABB	650	6	P	238	11-74	25	950	---	
08N-05E-33 ACC	650	6	P	208	11-74	55	930	---	
09N-05E-04 DCC	248	--	H	140	1-75	---	1065	5720	X
09N-05E-08 BAA	165	6	U	63	1-75	---	1015	---	
09N-05E-08 CAA	700	6	U	215	1-75	---	1015	---	
09N-05E-29 AAA	47	--	H	3	1-75	---	970	830	
11N-06E-06 CCC	220	--	H	40	---	---	985	872	X
11N-06E-15 ADD	72	8	U	53	6-70	---	995	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
PAWNEE COUNTY									
20N-07E-01 CDD	137	6	H	60	---	3	890	2900	
20N-07E-01 DAD	90	6	H	---	---	---	900	2880	X
20N-07E-05 ACA	142	6	U	70	5-72	---	850	---	
20N-07E-27 BBD	200	6	U	192	5-72	---	---	---	
20N-08E-05 DDA	28	--	-	---	---	---	1005	369	X
20N-08E-06 CCC	---	6	H	---	---	---	915	1650	X
20N-08E-09 DCD	20	--	-	--	---	---	---	1030	X
20N-08E-12 CCC	114	6	H	50	---	---	790	960	
20N-08E-17 AAD	80	--	H	---	---	---	860	1170	X
20N-08E-19 DCA	128	--	H	60	---	---	825	---	
21N-07E-21 ADB	266	--	H	---	---	---	860	760	
21N-07E-24 CCD	156	6	H	---	---	---	920	1360	
21N-07E-24 CDD	90	6	H	44	4-75	---	840	1020	
21N-07E-34 CCD	35	6	U	15	5-72	---	890	---	
21N-08E-20 DCA	85	--	H	---	---	---	905	591	X
21N-08E-29 AAD	65	--	H	---	---	---	930	1360	X
22N-07E-20 DBC	92	6	U	34	5-72	---	920	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
SEMINOLE COUNTY									
05N-05E-10 BBB	700	8	H	60	11-74	---	1040	---	
05N-05E-12 ABB	202	6	H	37	11-74	---	920	465	
05N-05E-25 DAD	236	--	H	170	11-74	---	950	1220	X
05N-06E-04 BDC	150	6	H	84	11-74	---	855	790	
06N-05E-10 CCD	123	6	U	24	5-70	---	915	---	
06N-05E-11 BAB	160	--	H	71	11-74	---	920	1100	
06N-05E-11 CDD	70	--	-	39	11-74	---	900	1120	
06N-06E-07 DAD	196	8	-	24	11-74	---	930	580	
06N-06E-12 ACC	214	--	H	39	11-74	---	870	555	
06N-06E-25 CCC	81	6	H	36	11-74	---	950	1400	
07N-05E-02 AAA	52	6	U	28	5-70	---	---	---	
07N-05E-13 ACC	65	6	H	49	11-74	---	865	535	
07N-05E-26 BBB	180	--	H	15	11-74	---	915	650	
07N-05E-27 AAA	40	6	U	7	11-74	---	925	---	
07N-06E-05 CDD	82	4	U	36	11-74	---	920	545	
07N-06E-16 AAA	84	5	H	20	5-70	---	---	1890	
07N-06E-16 CCD	82	6	U	54	11-74	---	---	---	
07N-06E-23 BCB	321	6	H	121	11-74	---	855	1340	X
07N-06E-33 BDD	126+	6	N	60	11-74	---	945	1110	X
07N-06E-34 DCD	217	6	H	87	11-74	---	870	940	
07N-07E-05 ABB	180	6	H	46	11-74	---	980	676	X
07N-07E-10 CCC	75	6	U	13	5-70	---	---	---	
08N-05E-10 DDD	143	--	U	37	11-74	---	943	385	
08N-05E-11 AAD	125+	6	U	59	12-74	---	975	---	
08N-05E-12 DDD	75	--	U	8	11-74	---	930	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
SEMINOLE COUNTY--Continued									
08N-05E-24 BDA	92	6	U	32	11-74	---	925	445	
08N-05E-36 DAA	131	6	H	23	11-74	---	925	815	
08N-06E-03 DDC	550	--	P	284	11-74	---	970	460	
08N-06E-07 DDC	215+	--	H	194	11-74	---	1020	650	
08N-06E-09 DDD	410	6	U	184	11-74	---	875	---	
08N-06E-10 BBC	178	--	-	---	---	---	920	2086	
08N-06E-14 DCC	500	6	U	162	11-74	---	955	6750	X
08N-06E-14 DDD	500	6	H	195	11-74	---	975	674	X
08N-06E-21 DAA	550	6	P	174	11-74	---	930	770	X
08N-06E-25 CCD	165	6	H	---	---	---	880	445	X
08N-06E-26 CDC	125	6	H	91	11-74	---	935	845	
08N-07E-06 BC-	160	--	N	37	---	40	---	---	
08N-07E-07 ADD	600	--	P	105	11-74	80	805	430	X
08N-07E-29 ABA	50	8	H	20	11-74	---	895	2500	
08N-07E-31 BAB	50	6	H	10	4-71	---	945	352	X
08N-07E-32 CCD	100	--	H	78	11-74	---	975	---	
08N-07E-36 CCC	55	5	H	10	5-70	---	---	103	
08N-08E-28 ABB	40	6	U	16	5-70	---	---	---	
09N-05E-03 BBA	135	6	H	26	11-74	---	995	---	
09N-05E-11 AAA	180+	6	H	158	12-74	---	980	965	
09N-05E-15 DDD	112	6	U	29	12-74	---	962	2600	X
09N-05E-34 AAD	110	6	H	49	12-74	---	915	640	
09N-06E-17 AC-	718	11	P	173	---	75	900	---	
09N-06E-17 BBC	496	8	U	114	9-47	---	950	---	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
SEMINOLE COUNTY--Continued									
09N-06E-20 AA-	753	12	P	---	---	150	930	1360	X
09N-06E-20 ABD	816	8	P	258	---	290	935	490	X
09N-06E-21 DBC	757	11	P	217	---	90	915	---	
09N-06E-22 ---	650	--	P	---	---	---	---	374	
09N-06E-22 AC-	704	--	P	150	---	170	895	---	
09N-06E-22 BB-	734	11	P	150	---	200	880	---	
09N-06E-22 BBC	698	--	P	198	---	135	875	---	
09N-06E-23 AB-	200	--	H	---	---	---	---	2500	
09N-06E-26 CA-	450	--	N	---	---	---	900	2260	X
09N-06E-27 ACB	734	--	P	---	---	140	850	---	
09N-06E-27 BB-	641	9	P	200	---	80	870	---	
09N-06E-27 CC-	625	10	P	200	---	30	855	---	
09N-06E-28 C--	553	--	P	126	---	50	860	---	
09N-06E-28 DD-	620	--	P	200	---	150	858	---	
09N-07E-03 CDB	150	--	H	42	2-74	---	990	117	X
09N-07E-09 BBA	120	6	S	86	1-70	---	1040	275	X
09N-07E-20 DDB	165	6	H	129	12-74	---	945	515	
09N-07E-32 DCD	250	6	H	74	12-74	---	965	365	
09N-08E-15 BBA	55	8	H	14	5-70	---	---	460	
09N-08E-34 CDD	215	6	U	20	5-70	---	---	---	
10N-05E-01 CBB	189	6	H	29	1-75	---	965	1380	X
10N-05E-13 CDD	38	8	U	15	1-70	---	970	---	
10N-05E-35 DDD	34	5	U	29	1-70	---	1000	---	
10N-06E-01 CCD	85	6	H	21	1-75	---	955	420	

Table 2.--Records of wells in the Vamoosa-Ada aquifer.--Continued

Location	Well depth (ft)	Casing diameter (in.)	Use of water	Depth to water (ft)	Date measured	Well yield (gal/min)	Altitude (ft)	Specific conductance (umhos/cm)	Chemical analyses in table 4
SEMINOLE COUNTY--Continued									
10N-06E-13 CCD	150	6	H	41	1-75	---	975	890	
10N-06E-17 ADD	25	6	U	9	1-70	---	915	269	X
10N-06E-32 DDD	60	6	U	27	1-70	---	1025	---	
10N-06E-34 AAD	---	6	H	120	1-75	---	1065	725	
10N-07E-11 BAA	78	6	H	19	1-75	---	905	340	
10N-07E-18 BCC	42	8	H	19	5-70	---	995	166	X
10N-07E-27 CDD	113	6	U	25	12-71	---	1000	---	
10N-08E-05 BBB	85	6	H	22	5-70	---	---	---	
10N-08E-16 CCC	58	6	U	26	5-70	---	---	---	
10N-08E-18 BBB	46	6	-	21	5-70	---	---	---	
10N-08E-27 AAB	66	5	H	48	4-70	---	---	---	
11N-05E-24 DCC	150	6	H	17	1-75	---	945	---	
11N-05E-35 DCC	175	6	H	75	1-75	---	980	840	
11N-05E-36 BBB	88	6	U	37	1-70	---	---	---	
11N-05E-36 DDD	280	6	H	81	1-75	---	985	960	
11N-06E-34 BCC	198	6	C	---	---	---	928	751	X
11N-06E-33 CCD	100	6	H	41	1-75	---	965	575	
11N-06E-35 BBC	116	6	H	61	1-75	---	928	815	
11N-07E-13 CBB	112	--	H	95	1-75	---	935	310	
11N-07E-31 CBB	81	6	U	47	5-70	---	985	---	
11N-07E-32 BAA	179	6	H	72	1-75	---	950	880	
11N-07E-35 AAC	152	5	H	15	---	---	905	626	X
11N-08E-09 AAA	32	7	H	20	1-70	---	---	93	
11N-08E-16 DDC	60	6	-	31	5-70	---	---	---	
11N-08E-22 BBB	82	6	H	18	1-75	---	890	480	

Table 3.--Municipal water use during 1975.

City and source of water	Monthly water use (acre-ft)												Total water use (acre-ft)	Per-capita use (gallon per day)	Number of wells used
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.			
Cushing: Surface water	100.5	92.0	104.7	93.7	133.4	156.6	158.9	150.6	145.8	129.2	128.9	125.0	1519.3	180	--
Well	--	--	--	--	30.9	61.5	35.9	34.6	34.5	9.1	23.5	8.6	238.6	28	3
Drumright: Well water	45.0	37.4	36.0	35.5	38.3	47.5	48.4	52.5	46.4	41.7	38.0	35.6	503.2	164	8
Prague: Well water	13.5	14.6	16.8	16.8	17.8	21.2	30.0	23.3	22.1	19.1	14.7	15.4	255.3	106	9
Seminole: Well water	92.4	85.1	93.0	96.0	101.9	105.8	128.3	134.7	116.4	114.2	105.1	108.1	1281.0	114	14
Stroud: Surface water	18.7	15.2	17.5	19.4	18.6	20.4	26.4	22.9	18.7	20.4	18.5	18.4	235.1	84	--
Well	5.2	5.3	5.8	5.6	5.8	5.0	5.6	5.8	5.6	5.7	5.5	5.7	66.6	24	1

Table 4.--Chemical analyses of water from wells in the Vamoosa-Ada aquifer.

[Concentrations of chemical constituents are given in milligrams per liter; specific conductance is given in micromhos per centimeter at 25° Celsius]

Location	Date sample collected	Well Depth (feet)	Calcium (Ca)	Magnesium (Mg)	Sodium plus potassium (Na+K)	Bicar-bonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Dissolved solids	Bromide (Br)	Specific conduc-tance
05N-05E-25 DAD	11-1974	236	76	22	180	426	180	64	788	0.2	1220
07N-06E-23 BCB	11-1974	321	8.1	3.6	280	281	110	210	785	.7	1340
07N-06E-33 BDD	11-1974	126+	99	59	67	502	52	98	652	.6	1110
07N-07E-05 ABB	12-1974	180	65	44	14	386	44	15	387	.1	676
08N-05E-33 AAB	11-1974	668	2.0	0.8	520	895	190	100	--	.5	2090
08N-06E-10 BBC	3-1964	178	12	35	390	452	215	320	1300	--	2086
08N-06E-14 DCC	11-1974	500	280	150	950	324	21	2300	4500	8.2	6750
08N-06E-14 DDD	11-1974	500	2.9	1.7	160	349	29	14	408	.1	674
08N-06E-14 DDD	12-1975	500	3.6	2.0	160	346	32	16	406	.1	650
08N-06E-21 DAA	11-1974	550	1.7	.2	190	454	18	9.2	474	.0	770
08N-06E-25 CCD	11-1974	165	45	25	5.7	251	11	7.5	226	.1	445
08N-07E-07 ADD	11-1974	600	48	21	8.3	232	14	8.4	221	.0	430
08N-07E-31 BAB	4-1971	50	--	--	20	186	21	8	194	--	352
09N-05E-04 DCC	6-1975	248	--	--	--	202	210	71	--	.3	5720
09N-05E-15 DDD	12-1974	112	--	--	--	--	--	62	2020	.2	2600
09N-06E-20 AA-	12-1974	753	186	33	79	132	601	25	1080	--	1360
09N-06E-20 ABD	12-1975	816	25	5.7	86	208	48	6.5	343	.0	490
09N-06E-26 CA-	9-1947	450	146	12	356	135	796	175	1540	--	2260

Table 4.--Chemical analyses of water from wells in the Vamoosa-Ada aquifer.--Continued

Location	Date sample collected	Well Depth (feet)	Calcium (Ca)	Magnesium (Mg)	Sodium plus potassium (Na+K)	Bicar-bonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Dissolved solids	Bromide (Br)	Specific conduc-tance
09N-07E-03 CDB	12-1974	150	11	4.6	5.4	51	6.2	5.7	76	.0	117
09N-07E-09 BBA	5-1970	120	--	--	8.0	142	11	9.1	165	--	275
10N-05E-01 CBB	1-1975	189	--	--	--	370	85	210	--	1.0	1380
10N-06E-17 ADD	1-1970	25	--	--	11	154	4.8	8	197	--	269
10N-07E-18 BCC	5-1970	42	--	--	11	20	24	13	113	--	166
11N-06E-06 CCC	3-1971	220	--	--	80	450	28	34	502	--	872
11N-06E-34 BCC	8-1970	198	--	--	134	248	163	11	478	--	751
11N-07E-35 AAC	5-1970	152	--	--	45	324	57	14	374	--	626
12N-06E-28 DAD	5-1975	412	160	54	160	253	470	200	1260	.5	1810
12N-07E-27 BBB	1-1971	105	--	--	10	432	16	19	386	--	708
13N-07E-21 DDC	4-1971	131	--	--	12	242	9	10	222	--	413
13N-08E-08 DAA	2-1970	32	--	--	6.7	68	16	9	102	--	172
14N-07E-10 CBB	4-1971	153	--	--	25	374	7	100	486	--	896
14N-08E-04 AAC	11-1970	55	--	--	30	76	15	30	146	--	251
15N-06E-28 DBD	7-1975	408	23	5	140	335	93	12	455	.1	720
15N-07E-25 CCC	10-1974	149	12	15	13	217	2.8	6.9	201	.1	365
15N-08E-06 CDB	6-1971	185	--	--	12	254	11	7	243	--	426
16N-05E-23 DDD	2-1975	196	57	28	100	332	22	110	478	.5	790
16N-06E-23 BBB	3-1975	97	330	100	350	122	20	1300	2510	7.7	3600
16N-07E-21 ADA	6-1971	117	--	--	4.9	46	11	9	77	--	110
16N-07E-33 DDA	6-1971	99	--	--	26	306	24	16	324	--	536
17N-05E-03 ACB	10-1975	697	37	3.8	90	222	98	6.5	370	.1	575
17N-05E-23 B--	7-1952	357	80	20	757	--	1660	23	2740	--	3680
17N-07E-08 CCA	7-1971	487	--	--	110	302	28	45	388	--	644

Table 4.--Chemical analyses of water from wells in the Vamoosa-Ada aquifer.--Continued

Location	Date sample collected	Well Depth (feet)	Calcium (Ca)	Magnesium (Mg)	Sodium plus potassium (Na+K)	Bicar-bonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Dissolved solids	Bromide (Br)	Specific conduc-tance
17N-07E-25 ADD	4-1971	130	--	--	17	108	14	13	134	--	244
17N-08E-08 ACC	6-1971	136	--	--	25	240	4.4	7.0	235	--	382
17N-08E-35 BDA	1-1975	121	19	8.5	8.8	76	16	11	--	.2	51
18N-06E-16 DDD	8-1973	30	89	33	35	259	50	27	608	--	864
18N-06E-31 BCB	4-1975	160	170	82	180	200	110	670	1570	.4	1950
18N-06E-36 DAD	10-1975	538	11	1.2	140	273	79	16	405	.1	654
18N-06E-36 DDD	7-1971	490	--	--	66	256	63	12	340	--	546
18N-07E-13 AAD	12-1971	77	--	--	5.2	92	22	8.6	142	--	218
18N-07E-16 BAD	4-1975	600	19	1.9	190	266	180	49	595	.2	1300
18N-07E-20 A--	6-1971	124	--	--	29	266	110	52	480	--	733
18N-07E-35 DDA	6-1971	230	--	--	25	390	30	13	358	--	648
18N-08E-18 BCC	11-1972	120	40	16	17	323	11	5	207	--	376
18N-08E-33 DDD	1-1975	194	7	3.1	11	12	17	8.6	88	.2	126
19N-07E-03 CDD	2-1973	180	110	72	130	486	180	140	960	--	1530
19N-08E-04 DCC	2-1973	67	14	4.6	23	76	13	5.4	132	--	208
20N-07E-01 DAD	4-1975	90	390	130	110	413	970	270	2220	.7	2880
20N-08E-05 DDA	8-1971	28	--	--	34	24	12	110	239	--	369
20N-08E-06 CCC	4-1975	--	140	110	74	487	450	80	1200	.3	1650
20N-08E-09 DCD	8-1971	20	--	--	81	44	66	220	676	--	1030
20N-08E-17 AAD	8-1971	80	--	--	150	140	250	150	744	--	1170
21N-07E-11 CAA	7-1973	42	30	5.6	13	108	13	7.8	192	--	256
21N-08E-20 DCA	8-1971	85	--	--	32	72	91	90	382	--	591
21N-08E-29 AAD	8-1971	65	--	--	102	50	58	360	998	--	1360
22N-07E-16 BBD	7-1973	21	110	28	64	372	60	68	712	--	999

Table 4.--Chemical analyses of water from wells in the Vamoosa-Ada aquifer.--Continued

Location	Date sample collected	Well Depth (feet)	Calcium (Ca)	Magnesium (Mg)	Sodium plus potassium (Na+K)	Bicar-bonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Dissolved solids	Bromide (Br)	Specific conduc-tance
22N-08E-33 BAA	8-1971	100	--	--	72	376	28	31	408	--	708
22N-09E-17 CCC	1-1973	200	6	8	180	416	38	25	466	--	770
23N-07E-09 BDA	1-1973	87	22	13	140	386	59	16	454	--	740
23N-08E-07 DCC	4-1975	350	220	57	140	176	120	570	1410	3.3	2995
23N-09E-25 BCC	4-1975	187	87	60	77	205	110	190	708	.6	1010
24N-08E-33 CCA	8-1971	25	--	--	40	388	120	28	560	--	862
24N-09E-03 DAA	4-1975	260	5.1	3.1	240	420	54	53	627	.3	1060
24N-09E-20 ABB	8-1971	325	--	--	53	192	37	11	250	--	406
25N-09E-24 BAD	11-1972	240	33	28	160	480	86	43	582	--	978
25N-09E-35 BAD	2-1973	255	120	34	67	262	150	110	658	--	1090
26N-09E-14 ACB	4-1973	109	19	7.8	19	37	7.6	39	199	--	291
26N-10E-09 ADA	3-1975	130	11	2.8	600	447	640	17	1490	3.8	2695
27N-09E-27 ACC	2-1973	125	4	1.2	270	590	94	18	674	--	1120
28N-07E-29 DDA	3-1975	900	8.1	3.4	860	560	860	200	2290	4.5	4000
28N-08E-03 AAA	4-1973	300	8.7	1.8	19	378	40	110	637	--	1010
28N-08E-08 DDA	3-1975	500	4.7	2	440	411	200	440	1140	.7	2070
28N-09E-15 DAC	3-1975	160	1.8	.1	210	386	63	56	542	.4	893
28N-10E-33 ADA	1-1973	153	42	14	17	158	40	20	235	--	394
29N-09E-23 CDA	3-1975	90	99	31	150	336	280	45	1030	1.8	1210
29N-10E-29 BDC	11-1973	65	140	14	25	317	36	120	568	.8	922
29N-10E-29 BDC	1-1974	65	140	14	24	304	34	120	533	.5	890

Table 5.--Specific-conductance, discharge, and bromide data for streams draining
the Vamoosa-Ada aquifer

[Br = bromide. Units of measurement: Specific conductance, umhos/cm (micromhos per centimeter at 25°
Celsius; estimated flow, ft³/s (cubic foot per second); and bromide, mg/L (milligram per liter)]

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>CREEK COUNTY</u>					
14N-07E-01 DDD	Salt Creek	920	2-12-75	25	
14N-07E-01 DDD	Salt Creek	2800	10-13-76	0.1	Oil on water
14N-08E-31 BBC	Deep Fork Creek	520	8-22-75		
14N-08E-06 DCD	Tributary of Salt Creek	470	2-12-75	4	
14N-08E-24 ABC	Deep Fork of Canadian River	1320	10-13-76	75	Oil on water
14N-09E-08 AA	West Fork of Sandy Creek	1300	10-13-76	0.1	Oil on water
15N-07E-15 BCC	Tributary of Camp Creek	1360	8-20-75		
15N-07E-21 CDD	Camp Creek	705	8-22-75	4	
15N-07E-26 CCD	Tributary of Salt Creek	215	8-22-75	1	
15N-07E-27 ABB	Tributary of Salt Creek	535	2-12-75	1	
15N-07E-28 CB	Tributary of Salt Creek	3200	10-13-76	0.1	Oil on water
15N-07E-31 BBA	Tributary of Salt Creek	515	2-12-75	1	
15N-07E-33 AAA	Salt Creek	2750	10-13-76	0.1	Oil on water
15N-07E-33 AAD	Tributary of Salt Creek	650	2-12-75	1	
15N-07E-35 BAB	Tributary of Salt Creek	195	2-12-75	1	
15N-07E-36 BAB	Tributary of Salt Creek	260	2-12-75	1	
16N-07E-04 AAB	West Spring Creek	7900	2-13-75	5	
16N-07E-04 AAB	West Spring Creek	2600	8-19-75	4	
16N-07E 14 AAB	East Spring Creek	925	2-12-75	8	
16N-07E-14 AAB	East Spring Creek	770	8-19-75	4	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>CREEK COUNTY--Continued</u>					
16N-07E-27 DDA	Little Deep Fork Creek	225	8-20-75	6	
16N-07E-28 ADA	Little Deep Fork Creek	260	8-20-75	3	
16N-08E-04 BCB	Tributary of Catfish Creek	1490	8-18-75		
16N-08E-11 CCC	Little Catfish Creek	250	8-18-75	4	
16N-08E-22 BBC	Catfish Creek	3250	10-13-76	0.2	Oil on water
17N-07E-02 CAD	Tributary of Tiger Creek	15000	10-13-76	0.1	Oil on water
17N-07E-03 BDA	Tributary of Tiger Creek	20000	10-13-76	0.1	Oil on water
16N-09E-08 CCC	Tributary of Sand Creek	4000	8-18-75	1	
17N-07E-04 ABA	Tributary of Tiger Creek	17500	10-13-76	0.2	Oil on water
17N-07E-04 AAD	Tributary of Tiger Creek	8500	10-13-76	0.1	Oil on water
17N-07E-03 BDB	Tributary of Tiger Creek	4600	8-19-75	6	
17N-07E-16 CC	Tributary of Tiger Creek	1120	8-19-75	0.3	
17N-07E-23	Spring Creek	5100	8-19-75	0.2	Creek flows through oil field
17N-07E-26 AAB	Spring Creek	16000	8-21-75		
17N-07E-31 DAA	Tributary of Little Deep Fork Creek	705	2-13-75		
17N-07E-31 DAA	Tributary of Little Deep Fork Creek	220	8-19-75	0.2	
17N-07E-33 AAC	Tributary of West Spring Creek	3800	8-20-75	1	Creek flows through oil field
17N-08E-10 D	Dog Creek	790	8-18-75	1	
17N-08E-17 DCC	Tributary of Dog Creek	500	2-13-75	2	
17N-08E-17 DCC	Tributary of Dog Creek	550	8-20-75	0.2	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining the Vamoosa-Ada aquifer

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>CREEK COUNTY--Continued</u>					
17N-09E-07 BCC	Polecat Creek	490	10-13-76	0.5	
17N-09E-16 BCB	Mosquito Creek	730	8-18-75	1.5	
17N-09E-30 BDC	Mosquito Creek	1300	10-13-76	0.5	Oil on water
18N-07E-03 CDD	Dry Creek	3100	8-20-75	1	Br = 3.8 mg/L
18N-07E-29 BCD	Tiger Creek	4180	10-13-76	1.5	Oil on water
18N-07E-33 BCC	Tributary of Tiger Creek	11400	10-13-76	0.3	Oil on water
18N-07E-33 DCC	Tributary of Tiger Creek	14000	10-13-76	0.2	Oil on water
18N-08E-06 CDC	Buckeye Creek	260	8-19-75	4	
18N-08E-06 CDC	Buckeye Creek	420	10-13-76	1	
18N-08E-18 CDD	Buckeye Creek	270	8-10-75		Not base flow
18N-08E-18 CDD	Buckeye Creek	275	10-13-76	1	
18N-08E-26 DDD	Deep Creek	220	8-18-75	2	
18N-08E-33 AAD	Polecat Creek	310	8-19-75	5	
18N-08E-33 AAA	Tributary of Polecat Creek	220	10-13-76	1	
18N-08E-36 DDD	Figure Eight Creek	250	8-18-75	0.8	
18N-09E-19 DDC	Figure Eight Creek	160	10-13-76	0.2	
19N-07E-35 BAA	Dry Creek	1450	8-20-75	2	
19N-07E-36 AAA	Buckeye Creek	500	10-13-76	2	
19N-08E-32 AAB	Sand Creek	330	8-20-75	0.8	
19N-08E-34 BAA	Rock Canyon Creek	230	8-20-75	2	
19N-08E-36 BAB	Cottonwood Creek	470	8-19-75	1.5	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>LINCOLN COUNTY</u>					
12N-06E-03 BAB	Deer Creek	900	2-14-75		
12N-06E-03 BAB	Deer Creek	340	8-18-75	1.5	
12N-06E-10 CDD	Deer Creek	610	8-18-75	0.4	
13N-06E-04 CDD	Deer Creek	940	2-14-75		
13N-06E-09 CCC	Deer Creek	730	8-18-75	6	
13N-06E-11 ABB	Barby Creek	1090	2-17-75		
13N-06E-21 ABA	Deer Creek	995	1-30-75		
14N-06E-03 DDC	Tributary of Deep Fork of Canadian River	4600	2-12-75		
14-N-06E-03 DCD	Tributary of Deep Fork of Canadian River	1120	1-30-75		
14N-06E-15 CBB	Deep Fork of Canadian River	435	8-19-75		
14N-06E-34 AAB	Tributary of Deep Fork of Canadian River	1300	8-19-75		Br = 2.2 mg/L Oil lining creek bank
14N-06E-36 CDD	Barby Creek	535	2-12-75		
14N-06E-36 CDD	Barby Creek	415	8-19-75		
15N-06E-22 BBB	Salt Creek	2200	8-19-75	4	
16N-05E-01 AAD	Tributary of Euchee Creek	330	8-19-75	5	
16N-05E-36 AAA	Fourmile Creek	1180	2-13-75		

Table 5.--Specific-conductance, discharge, and bromide data for streams draining
the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>LINCOLN COUNTY--Continued</u>					
16N-06E-06 CDD	Euchee Creek	1150	2-12-75		
16N-06E-06 CDD	Euchee Creek	210	8-19-75		
17N-06E-18 DCD	Euchee Creek	2600	2-13-75		
17N-06E-18 DCD	Euchee Creek	245	8-20-75	0.5	
17N-06E-19 CDC	Euchee Creek	220	8-20-75	0.5	
<u>OKFUSKEE COUNTY</u>					
11N-08E-13 ADD	North Canadian River	1850	10-12-76	80	
11N-08E-14 AAA	Tributary of North Canadian River	220	10-12-76	1	
12N-07E-06 BBA	Pettiquah Creek	270	8-18-75	3	
13N-07E-31	Pettiquah Creek	1190	1-30-75		
13N-07E-02 DDC	Hilliby Creek	625	8-22-75	1	
13N-08E-01 CCD	Wolf Creek	370	10-13-76	0.1	
13N-09E-06 AAD	Deep Fork of Canadian River	1220	10-13-76	70	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>OSAGE COUNTY</u>					
21N-10E-04 CDA	Tributary of Wildhorse Creek	100	10-14-76	0.1	
22N-09E-13 CDC	Boar Creek	480	10-14-76	2	
22N-10E-20 BDB	Wildhorse Creek	325	10-14-76	0.5	
22N-10E-21 AAC	Eagle Creek	2250	10-14-76	0.3	
22N-10E-29 CCD	Buck Creek	175	10-14-76	0.5	
22N-10E-32 DDD	Wildhorse Creek	270	10-14-76	0.3	
23N-08E-05 CBC	Rainbow Creek	8650	10-14-76	0.1	
23N-08E-35 CDA	Penn Creek	490	10-14-76	0.5	
23N-09E-27 ADD	Sunset Creek	280	10-14-76	1	
23N-09E-30 ADA	Tributary of Hominy Creek	2000	8-18-75		Not base flow
23N-09E-33 D	Tributary of Hominy Creek	320	10-14-76	1	
23N-09E-34 ADD	Mahala Creek	280	10-14-76	1	
23N-09E-36 DAB	Sand Creek	850	10-14-76	1	
23N-10E-34 CDC	Bull Creek	3750	10-14-76	0.2	
24N-07E-10 D	Hominy Creek	1380	8-18-75	4	
24N-07E-10 D	Hominy Creek	16000	10-14-76	0.2	
24N-07E-33 A	Tributary of Sycamore Creek	1900	8-18-75	1	Not base flow
24N-07E-33 C	Tributary of Sycamore Creek	890	8-18-75	5	
24N-08E-09 ADA	Little Hominy Creek	1340	10-14-76	0.1	
24N-08E-14 CAB	Little Hominy Creek	2400	8-18-75		
24N-08E-14 CAB	Little Hominy Creek	3500	10-14-76	2	
24N-08E-25 BA	Little Hominy Creek	18500	8-14-75	4	Br = 31.0 mg/L
24N-09E-32 DDA	Tributary of Twomile Creek	1600	10-14-76	0.1	
24N-08E-36 BAA	Little Hominy Creek	2850	8-18-75	10	
24N-10E-01 DDA	Red Eagle Branch	430	10-14-76	0.2	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining
the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>OSAGE COUNTY--Continued</u>					
24N-10E-17 DAD	Birch Creek	1040	8-18-75		
24N-10E-17 DAD	Birch Creek	920	10-14-76	0.1	
24N-10E-30 CAA	Fourmile Creek	920	8-20-75		Not base flow
25N-08E-18 A	Tributary of Clear Creek	780	10-14-76	2	
25N-08E-19 CBB	Tributary of Little Hominy Creek	13000	8-18-75		Br = 18.0 mg/L
25N-08E-19 CDD	Tributary of Little Hominy Creek	42000	8-19-75		Brine flowing into creek from brine pit
25N-08E-23 BDD	Clear Creek	7200	8-19-75		
25N-10E-16 CDD	Nelagoney Creek	250	8-20-75		Not base flow
25N-10E-18 BCC	Quapaw Creek	2650	8-20-75		Not base flow
25N-10E-20 DBB	Saucy Calf Creek	810	10-14-76	1	
25N-10E-21 BCB	Buffalo Creek	480	3-26-75		
25N-10E-21 BCB	Buffalo Creek	1860	3-26-75	20	
25N-10E-32 DDC	Tributary of Cochahee Creek	420	10-14-76	0.5	
26N-09E-12 AAD	Cedar Creek	640	8-20-75		
26N-10E-04 CAD	Rock Creek	600	8-20-75		

Table 5.--Specific-conductance, discharge, and bromide data for streams draining
the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>OSAGE COUNTY--Continued</u>					
26N-10E-15 AAA	Sand Creek	700	8-20-75	11	
26N-10E-19 BDB	Sand Creek	420	8-20-75		
27N-10E-07 CB	Tributary of Rock Creek	340	8-21-75	0.4	
27N-10E-08 BDD	Tributary of Rock Creek	590	8-21-75	0.2	Oil on water
27N-10E-08 CDD	Rock Creek	260	8-21-75	0.2	
27N-10E-30 CBD	Elm Creek	340	8-21-75	0.4	
28N-08E-03 ABA	Buck Creek	220	3-06-75		
29N-08E-23 CBC	Smith Creek	420	8-21-75	0.2	
29N-08E-22 DAA	Smith Creek	350	3-06-75		
29N-09E-13 DAB	Caney River	395	8-21-75		Not base flow
29N-09E-23 DAC	Buck Creek	450	3-06-75		
29N-09E-23 DAC	Buck Creek	660	8-21-75		Not base flow
29N-10E-16 ABB	Coon Creek	400	3-06-75		
29N-10E-17 AAB	Cedar Creek	460	3-06-75		
29N-10E-17 DA	Caney River	120	3-26-75		
29N-11E-18 DDD	Tributary of Turkey Creek	2900	8-21-75	0.2	
29N-11E-18 DDD	Tributary of Turkey Creek	3500	10-14-76	0.5	Oil on water
29N-11E-30 AAB	Turkey Creek	1200	3-06-75		
29N-11E-30 AAB	Turkey Creek	4800	8-21-75	2	Br = 12.0 mg/L Oil on water
29N-11E-30 ABC	Turkey Creek	3500	10-14-76	0.1	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>PAWNEE COUNTY</u>					
20N-08E-02 DAD	Bear Creek	2300	8-21-75	1	
20N-08E-02 DAD	Bear Creek	1160	10-14-76	0.1	
20N-08E-06 DDD	Tributary of House Creek	4050	8-21-75	1	Br = 06.7 mg/L
20N-08E-13 BBA	Cowskin Creek	3100	8-21-75	0.1	
20N-08E-32 ABA	Tributary of House Creek	350	8-21-75	2	
21N-07E-21 BC	Turkey Creek	310	8-21-75		
21N-07E-21 BC	Turkey Creek	360	10-13-76	0.1	
21N-08E-17 BCB	Cedar Creek	4150	8-21-75	3	Br = 05.8 mg/L
21N-08E-17 BCB	Cedar Creek	4650	10-13-76	0.5	Oil on water
<u>PAYNE COUNTY</u>					
17N-05E-15 CCC	Tributary of Cottonwood Creek	500	8-19-75	4	Creek flows through oil field
17N-05E-13 DAA	Cottonwood Creek	250	8-19-75	15	Creek flows through oil field, not base flow

Table 5.--Specific-conductance, discharge, and bromide data for streams draining
the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>POTTAWATOMIE COUNTY</u>					
11N-05E-11 DCC	Tributary of North Canadian River	620	8-19-75	0.1	
11N-06E-16 ABB	Shan Creek	590	8-19-75	0.2	
<u>SEMINOLE COUNTY</u>					
05N-05E-11 A	Negro Creek	1160	10-11-76	0.2	
05N-06E-03 ABC	Jumper Creek	915	8-21-75	15	
05N-06E-03 ABC	Jumper Creek	1320	10-12-76	0.2	
05N-06E-19 ABD	Tributary of Canadian River	590	10-11-76	1.5	
05N-07E-23 AAA	Tributary of Canadian River	44000	10-12-76	> 0.05	Spring, dead foliage and trees around spring
05N-07E-26 AD	Tributary of Canadian River	10100	10-12-76	0.2	Flows through salt water injection area
06N-06E-33 B	Jumper Creek	1750	10-12-76	0.5	Oil residue on creek bed

Table 5.--Specific-conductance, discharge, and bromide data for streams draining the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>SEMINOLE COUNTY--Continued</u>					
06N-07E-08	Little River	1700	10-12-76	0.5	
06N-07E-19 AAD	Rock Creek	415	8-21-75	0.1	
06N-08E-30 BC	Little River	4200	10-12-76	4	
07N-06E-03 CBC	Little River	1800	10-12-76	0.1	
07N-06E-14 BCC	Tributary of Salt Creek	20000	2-13-75	0.1	
07N-06E-15 ADD	Tributary of Salt Creek	9200	2-13-75		
07N-06E-19 CDC	Mud Creek	1480	8-20-75	0.8	
07N-06E-27 CBC	Salt Creek	2920	8-20-75	8	
07N-06E-34 CCC	Sandy Creek	2950	8-20-75	0.2	
07N-07E-05 DBC	Tributary of Little River	7300	8-21-75		Salt water disposal pit in outcrop one-half mile south
07N-07E-08 DCD	Tributary of Little River	1500	8-21-75	0.2	
07N-07E-20 BBA	Little River	1320	8-20-75	25	
08N-06E-06	Tributary of Wewoka Creek	660	8-19-75	0.1	
08N-07E-07 CDD	Wewoka Creek	5800	8-19-75	9	Br = 8.0 mg/L
08N-07E-07 CDD	Wewoka Creek	1100	10-12-76	2	

Table 5.--Specific-conductance, discharge, and bromide data for streams draining
the Vamoosa-Ada aquifer--Continued

Site location	Name	Specific conductance (umhos/cm)	Date measured	Estimated flow (ft ³ /s)	Remarks
<u>SEMINOLE COUNTY--Continued</u>					
08N-07E-32 ADD	Tributary of Wewoka Creek	255	8-19-75		
09N-05E-13 DCD	Tributary of Wewoka Creek	15500	10-11-76	> 0.1	
09N-05E-15 BCD	Wewoka Creek	44000	8-21-75	0.1	Br = 83.0 mg/L Leaking injection well one-fourth mile south
09N-05E-23 BBB	Wewoka Creek	41000	8-19-75	0.2	Br = 83.0 mg/L Water clear, foams easily, oil sediment on streambed
09N-05E-23 BBB	Wewoka Creek	18000	10-12-76	0.1	
09N-06E-14 CDD	Carter Creek	9800	8-18-75	0.3	Br = 18.0 mg/L
09N-06E-29 BAB	Tributary of Wewoka Creek	870	8-19-75	0.1	
09N-06E-30 AAB	Wewoka Creek	19000	8-19-75	0.1	Br = 33.0 mg/L
10N-06E-03 CCC	Turkey Creek	9250	2-13-75		
10N-06E-03 CCC	Turkey Creek	9250	8-18-75	0.3	Br = 14.0 mg/L
10N-06E-03 CCC	Turkey Creek	6600	10-12-76	1	
10N-06E-17 DCC	Turkey Creek	1100	10-12-76	> 0.1	
10N-07E-09 DAA	Snake Creek	800	2-13-75		
10N-07E-09 DAA	Snake Creek	510	8-18-75	0.8	
10N-07E-17 CDD	Snake Creek	875	8-18-75		

Table 6.--Concentration of selected chemical constituents, in milligrams per liter, in relation to well depth

[Number in parentheses is number of analyses used to determine the mean values]

Well Depth (feet)		Calcium	Magnesium	Sodium plus potassium	Bicarbonate	Sulfate	Chloride	Dissolved solids
	Minimum	14 ⁷	4.6	5.2	20	4.8	5.4	102
0-99	Mean	99(9)	28(9)	33(22)	131(22)	30(22)	29(22)	418(22)
	Maximum	390	130	350	413	970	1,300	2,510
	Minimum	1.8	0.1	4.9	12	2.8	5	76
100-299	Mean	26(22)	16(22)	27(36)	281(39)	34(38)	20(39)	437(36)
	Maximum	170	82	600	590	640	670	2,020
	Minimum	1.7	0.2	8.3	132	14	6.5	221
300-900	Mean	23(19)	3.8(19)	150(22)	270(20)	96(22)	35(22)	616(20)
	Maximum	280	150	950	895	1,660	2,300	4,500
	Minimum	1.7	0.1	4.9	12	2.8	5	76
0-900	Mean	32(50)	14(50)	70(80)	259(81)	46(82)	27(83)	470(78)
	Maximum	390	150	950	895	1,660	2,300	4,500

Table 7.--Trace elements, in milligrams per liter, present in municipal supplies.

Element	Mandatory limit ^{1/}	Cushing	Drumright	Prague	Seminole	Stroud
Arsenic	0.05	.001	.001	.003	.003	.003
Cadmium	0.010	.003	---	.001	.001	.002
Chromium	0.050	.017	.040	.022	.025	.029
Lead	0.050	.014	.011	.015	.005	.004
Mercury	0.002	.0005	.0005	.0004	.0005	.0004
Silver	0.05	0.001	0.001	0.002	0.001	0.001

^{1/} U.S. Environmental Protection Agency (1976).