

# Selected Hydrologic Data for and Location of MX Wells in East-Central and Southern Nevada, January 1980 Through May 1996

By Mary L. Tumbusch *and* Donald H. Schaefer

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## CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
foot (ft)	0.3048	meter
inch (in.)	25.4	millimeter
mile (mi)	1.609	kilometer

**Sea level:** In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929, formerly called "Sea-Level Datum of 1929"), which is derived from a general adjustment of the first-order leveling networks of the United States and Canada.

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## ABSTRACT

Ground-water data collected by the U.S. Geological Survey from 254 wells in east-central and southern Nevada are presented. The wells were drilled for the U.S. Air Force as part of the MX missile-siting investigation. The data have been compiled in tables and the location of wells shown on a map as part of a study by the U.S. Geological Survey, in cooperation with the Las Vegas Valley Water District.

Water level, well depth, and site status are reported from January 1980 through May 1996. Digital recording devices were installed in several of the MX wells to monitor long-term changes in local ground-water levels. Location, site information, and status of the recording devices also are included in this report.

## INTRODUCTION

In 1979, the U.S. Department of the Air Force selected the Great Basin area of western Utah and eastern and southern Nevada as a suitable location for the proposed MX missile system. Extensive studies of more than 40 valleys in the Great Basin area were initiated to evaluate the availability of water resources and to determine the potential effects of the MX system on existing water uses. The principal consultant for the U.S. Air Force (Fugro National, Inc., later known as Ertec Western, Inc., Long Beach, Calif.) drilled large-diameter (6- to 20-in.) production wells with nearby small-diameter (2- to 2.5-in.) observation wells at 21 sites and more than 200 small-diameter (2-in.) monitoring wells in Nevada.

On October 2, 1981, the President cancelled the MX program. A Memorandum of Agreement transferred ownership of the wells to the U.S. Geological

Survey (USGS) on June 1, 1983. Hydrologic data compiled for the MX missile-siting investigation were listed by Bunch and Harrill (1984). More recent data from the MX wells had not been widely distributed, and a map showing all the MX wells had not been published.

In 1985, the Nevada Legislature funded a program with the USGS and several other agencies to study and test the carbonate-rock aquifers of eastern and southern Nevada (U.S. Department of the Interior, 1985). One part of the study established a monitoring network to collect measurements of spring discharge, streamflow, precipitation, and ground-water levels; many of the ground-water levels were from MX wells. When the study was terminated in 1988, an abbreviated version of the monitoring program was maintained.

In 1989, the USGS reinstated the monitoring program, in cooperation with the Las Vegas Valley Water District (LVVWD). The monitoring program was expanded to measure water levels in wells over a larger area of the carbonate-rock province in east-central and southern Nevada. Digital recording devices were installed in selected wells to monitor detailed changes in ground-water levels. Current information about the monitoring network is described in recent annual data reports published by the USGS (for example, Bauer and others, 1996, p. 573-577).

By 1990, several of the small-diameter monitoring wells originally cased with plastic pipe had been damaged by humans and animals and by exposure to the elements. Rehabilitation of the damaged wells was part of the LVVWD cooperative program. The rehabilitation included locating each damaged well, replacing the upper 3 ft of plastic casing with galvanized steel pipe, and then recording changes in the measuring point datum with respect to land surface.

## Purpose and Scope of This Report

One purpose of this report, prepared in cooperation with the LVVWD, is to document historical ground-water levels in the MX wells. These wells represent a valuable resource for the study of ground-water levels in the carbonate-rock province. Another purpose is to locate, on a single map, all wells drilled for the U.S. Air Force MX missile-siting investigation in Nevada. The data are available from the U.S. Geological Survey data base and are now compiled in one publication.

The scope of this report includes selected hydrologic data of all wells drilled in Nevada for the U.S. Air Force during the MX missile-siting investigation. These consist of the large-diameter production wells, with companion observation wells, and the small-diameter monitoring wells. The coverage includes all the valleys originally investigated by the U.S. Air Force in Nevada.

## U.S. Geological Survey Site Designations

Each data-collection site is assigned a unique identification on the basis of geographic location. Wells are identified by both a local (Nevada) system and by a standard "latitude-longitude" system. For convenience, a sequential number from 1 to 254 is assigned to each well symbol on plate 1 and is cross-referenced to the U.S. Geological Survey site designations in tables 1, 2, and 3.

### Local Well Identification

A local site designation is used in Nevada to identify a site by hydrographic area<sup>1</sup> and by the official rectangular subdivision of the public lands referenced to the Mount Diablo base line and meridian. Each site designation consists of four units. The first unit is the hydrographic area number. The second unit is the township, preceded by an N or S to indicate location

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<sup>1</sup>Formal hydrographic areas in Nevada were delineated systematically by the U.S. Geological Survey and Nevada Division of Water Resources in the late 1960's for scientific and administrative purposes (Rush, 1968; Cardinalli and others, 1968). The official hydrographic area names, numbers, and geographic boundaries continue to be used in U.S. Geological Survey scientific reports and Division of Water Resources administrative activities. Data are presented for 32 hydrographic areas (tables 1 and 2, pl. 1.)

north or south of the base line. The third unit is the range, preceded by an E to indicate location east of the meridian. An H following either the township or range number indicates a half or partial township or range. The fourth unit consists of the section number and letters designating the quarter section, quarter-quarter section, and so on (A, B, C, and D indicate the northeast, northwest, southwest, and southeast quarters, respectively), followed by a number indicating the sequence in which the site was recorded. For example, site 137A N03 E41 07CC1 is in the Tonopah Flat hydrographic area (137A). It is the first site recorded in the southwest quarter of the southwest quarter of section 7, Township 3 North, Range 41 East, Mount Diablo base line and meridian.

### Standard Identification

The standard site identification is based on the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude; the next seven digits denote the degrees, minutes, and seconds of longitude; and the last two digits (assigned sequentially) identify the sites within a 1-second grid. For example, site 390500114444901 refers to 39°05'00" latitude and 114°44'49" longitude, and it is the first site recorded in that 1-second grid. The assigned number is retained as a permanent identifier even if a more precise latitude and longitude are later determined.

## GROUND-WATER DATA

Data for the small-diameter (2-in.) monitoring wells in east-central and southern Nevada are listed in table 1 (map numbers 1-208). The table lists location and depth of well, water-level measurements, site status, and method of measurement.

Data for the large-diameter (6- to 20-in.) production wells are listed in table 2 (map numbers 209-254). Only one of the production wells listed in table 2 (well 254) is presently pumped for supply. Small-diameter (2- to 2.5-in.) observation wells were constructed near many of these large-diameter wells for use during aquifer tests. These observation wells are grouped with the associated large-diameter production well in the table. Location and depth of well, water-level measurements, site status, and method of measurement are listed in the table.

The wells containing digital recording devices as part of the ongoing LVVWD monitoring program are described in table 3. Thirteen of the 16 digital recording devices are installed in the large-diameter production wells; 2 are installed in small-diameter observation wells near a production well; and 1 is installed in a small-diameter monitoring well. Data in table 3 include location, depth of well, type of recorder, and installation date.

The locations of all MX wells in east-central and southern Nevada are shown on plate 1, with sequential numbers assigned to each well symbol. These numbers are cross-referenced to the U.S. Geological Survey site designation listed in tables 1, 2, and 3. Data listed in these tables are current as of May 1996.

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- Thomas, J.M., Mason, J.L., and Crabtree, J.D., 1986, Ground-water levels in the Great Basin region of Nevada, Utah, and adjacent states: U.S. Geological Survey Hydrologic Investigations Atlas HA-694-B, 2 sheets.
- U.S. Department of the Interior, 1985, A proposed program to study the water resources of the carbonate-rock system of eastern and southern Nevada: U.S. Department of the Interior report, 14 p.

**Table 1. Ground-water data for small-diameter monitoring wells**

[Site status: D, site was dry; O, obstructed; W, well destroyed; Z, other condition that would affect measured water level; --, status unknown.

Water-level method: C, calibrated airline; R, reported; S, steel tape; T, electric tape; --, measurement method unknown]

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
1	137A N03 E41 07CC1	380723117252001	380727	1172527	196	4,922	01/01/81	131	--	R
							11/16/91	130.51	Z	S
2	137A N03 E41 33AB1	380433117223501	380433	1172235	200	4,920	01/01/81	--	D	--
3	137A N03 E42 18CB1	380646117184401	380646	1171844	150	5,360	01/01/81	140	--	R
4	137A N04 E41 04CB1	381345117230501	381345	1172305	150	4,881	01/01/81	78	--	R
5	137A N05 E40 01DC1	381846117255001	381846	1172550	161	4,982	01/01/81	--	D	--
6	137A N07 E41 26CC1	382545117205201	382545	1172052	200	5,242	01/01/81	47	--	R
7	137A N07 E42 05DC1	382914117170201	382914	1171702	150	5,482	01/01/81	42	--	R
8	137A N08 E43 17BB1	383323117110301	383323	1171057	160	5,860	01/01/81	--	D	--
9	137A N09 E43 30AB1	383700117112401	383702	1171132	84	5,742	01/01/81	67	--	R
							05/15/84	66.69	--	S
							11/17/91	67.88	--	S
10	137B N11 E44 19BA1	384816117045201	384816	1170452	199	5,753	01/01/81	137	--	R
11	137B N12 E43 19BA1	385336117112901	385336	1171129	200	5,742	01/01/81	59	--	R
12	137B N12 E44 18AD1	385411117042101	385402	1170412	157	5,660	01/01/81	113	--	R
							11/17/91	60.66	--	S
13	139 N18 E50 05DA1	392754116213201	392754	1162132	167	6,332	11/01/80	16	--	R
							10/31/91	149.54	--	S
14	139 N18 E47 01BD1	392703116380401	392730	1163731	176	6,300	01/01/81	85	--	R
							11/02/91	84.30	--	S
15	139 N19 E47 28DB1	392849116405701	392849	1164057	150	6,275	02/01/81	64	--	R
16	139 N19 E49 23AA1	393058116244501	393052	1162456	124	6,234	01/01/81	106	--	R
							10/31/91	104.68	--	S
17	139 N19 E50 24AA1	393058116171201	393058	1161712	201	6,084	11/01/80	35	--	R
							01/01/81	35	--	R
18	139 N20 E49 30BA1	393506116300001	393506	1163000	150	6,200	01/01/81	86	--	R
19	139 N20 E51 13CB1	393654116103801	393630	1161043	200	6,365	02/01/81	41	--	R
20	139 N21 E50 03CC1	394234116203701	394234	1162036	201	6,316	01/01/81	147	--	R
21	139 N21 E50 23AA1	394036116183401	394038	1161842	139	6,191	01/01/81	40	--	R
							11/01/91	34.00	--	S
22	139 N21 E51 24DD1	393957116103001	393956	1161042	201	6,316	01/01/81	83	--	R
23	139 N22 E49 32CC1	394327116293901	394327	1162939	201	6,349	01/01/81	142	--	R
							11/01/91	--	D	--
24	140A N14 E47 03DB1	390438116394301	390438	1163943	169	6,890	01/01/81	78	--	R
							11/03/91	80.06	--	S
25	140A N14 E47 21DD1	390150116403801	390154	1164046	192	6,956	01/01/81	81	--	R
							11/03/91	76.95	--	S
26	140A N15 E47 24CA1	390719116374801	390757	1163756	161	6,628	01/01/81	60	--	R
							11/03/91	--	O	--
27	140A N16 E47 35CB1	391058116385501	391017	1163900	182	6,562	01/01/81	119	--	R
							11/02/91	116.39	--	S
28	140A N17 E47 27CD1	391809116402401	391621	1163935	200	6,464	01/01/81	98	--	R
29	140B N09 E46 27BB1	380555116474901	383549	1164742	200	7,021	01/01/81	72	--	R
							07/19/84	70.12	--	S
							11/04/91	--	O	--



**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
30	140B N09 E46 34AA1	383457116465301	383457	1164653	154	7,054	01/01/81	59	--	R
31	140B N10 E46 34AA1	384005116480101	384004	1164656	136	7,021	01/01/81	101	--	R
							07/19/84	96.98	--	S
							11/04/91	100.85	--	S
32	140B N11 E46 16BD1	384736116481801	384739	1164822	154	6,923	01/01/81	50	--	R
							11/03/91	53.54	--	S
33	140B N12 E46 15AD1	385819116462301	385246	1164643	142	6,939	01/01/81	138	--	R
							07/19/84	138.26	--	S
							11/03/91	138.64	--	S
34	140B N12 E47 09DC1	385306116412001	385306	1164120	144	6,890	01/01/81	94	--	R
							11/03/91	93.49	--	S
35	140B N13 E47 07CA1	385836116432701	385836	1164327	201	6,990	01/01/81	--	D	--
36	141 N03 E44 06BAB1	380858117050701	380858	1170507	186	5,579	01/01/81	--	D	--
							05/17/84	--	D	--
37	141 N04 E44 15CB1	381201117020401	381201	1170204	141	5,940	03/01/81	--	D	--
38	141 N05 E44 16BC1	381722117030701	381722	1170307	143	6,070	09/01/80	84	--	R
							01/01/81	80	--	R
							03/01/81	80	--	R
							05/15/84	80.30	--	S
							11/16/91	79.76	--	S
39	141 N06 E44 16CCB1	382219117032401	382219	1170324	188	6,070	01/01/81	185	--	R
							05/15/84	--	D	--
40	141 N06 E44 35DCD1	381935117002901	381935	1170029	200	6,005	01/01/81	191	--	R
							05/15/84	190.49	--	S
41	142 N01 E42 18AD1	375626117175901	375626	1171759	200	5,020	01/01/81	--	D	--
42	142 S01 E41 05CB1	375244117235801	375224	1172412	201	4,922	01/01/81	83	--	R
							04/05/84	81.87	--	S
							11/19/91	81.90	--	S
43	142 S01 E41 22ABA1	375041117212401	375041	1172124	150	4,870	01/01/81	85	--	R
							04/02/84	85.85	--	S
							11/19/91	131.60	--	S
44	142 S01 E41 31AC1	374818117250701	374818	1172507	200	4,960	01/01/81	--	D	--
45	149 N01 E46 04AD1	375808116491801	375808	1164918	201	5,400	03/01/81	147	--	R
46	149 N02 E47 13DB1	380113116394501	380113	1163945	189	5,578	01/01/81	86	--	R
							02/01/81	86	--	R
							11/05/91	84.37	--	S
47	149 N04 E47 12BB1	381310116401701	381302	1164014	194	5,906	09/01/80	108	--	R
							01/01/81	92	--	R
							11/05/91	93.24	--	S
48	149 N04 E48 11CD1	381232116344501	381224	1163433	154	5,709	01/01/81	151	--	R
							11/05/91	150.62	--	S
49	149 N05 E48 08CC1	381754116380601	381747	1163807	200	5,906	09/01/80	73	--	R
							01/01/81	66	--	R
							03/01/81	66	--	R
							11/05/91	--	W	--

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
50	151 N15 E50 02CC1	391114116185101	391144	1161851	174	6,464	11/01/80	123	--	R
							01/01/81	123	--	R
							03/01/81	124	--	R
							10/30/91	121.28	--	S
51	151 N16 E50 27CA1	391342116194401	391336	1161941	190	6,424	11/01/80	108	--	R
							01/01/81	109	--	R
							03/01/81	114	--	R
							10/30/91	107.12	--	S
52	151 N17 E50 26BC1	391855116191501	391902	1161903	160	6,382	01/01/81	104	--	R
							10/30/91	125.77	--	S
53	151 N17 E51 20DD1	391935116144901	391934	1161440	186	6,332	11/01/80	96	--	R
							01/01/81	95	--	R
							03/01/81	95	--	R
							11/01/91	94.65	--	S
54	151 N18 E50 27BD1	392433116195001	392433	1161950	160	6,267	11/01/80	58	--	R
							01/01/81	58	--	R
							03/01/81	58	--	R
55	151 N19 E51 33CB1	392847116143901	392847	1161439	160	6,234	11/01/80	82	--	R
							01/01/81	83	--	R
							03/01/81	82	--	R
							10/31/91	94.32	--	S
56	154 N17 E55 09CC1	392107115472701	392107	1154727	150	6,050	01/01/81	128	--	R
57	154 N18 E55 16BB1	392610115474201	392606	1154730	143	5,939	01/01/81	41	--	R
							03/01/81	41	--	R
							04/20/83	41.32	--	S
							11/06/84	40.14	--	S
							10/11/91	43.09	--	S
58	154 N18 E55 33DA1	392301115464801	392301	1154648	191	5,971	01/01/81	73	--	R
							04/19/83	72.39	--	S
							10/14/91	72.57	--	S
59	154 N19 E55 35BB1	392840115451001	392840	1154510	150	5,890	01/01/81	23	--	R
60	154 N19 E56 13BC1	393100115372001	393103	1153731	137	5,988	01/01/81	51	--	R
							10/11/91	49.39	--	S
61	154 N19 E56 25DA1	392903115362901	392903	1153629	200	6,040	01/01/81	148	--	R
62	154 N20 E57 28CB1	393416115340001	393416	1153400	150	6,120	01/01/81	100	--	R
63	154 N21 E56 20AB1	394053115411701	394053	1154117	135	5,906	01/01/81	31	--	R
							10/13/91	32.96	--	S
64	154 N22 E55 15ADCB1	394645115454101	394645	1154541	200	5,880	01/01/81	23	--	R
							04/21/83	21.82	--	S
65	154 N22 E56 10CA1	394727115391801	394727	1153918	139	5,906	01/01/81	25	--	R
							03/01/81	25	--	R
							10/13/91	25.65	--	S
66	154 N23 E56 16DB1	395151115401001	395151	1154004	184	5,972	01/01/81	96	--	R
							04/21/83	96.8	--	T
							10/14/91	96.56	--	S

**Table 1.** Ground-water data for small-diameter monitoring wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
67	155A N15 E54 18BD1	391028115560601	391028	1155606	160	6,160	01/01/81	--	D	--
68	155A N16 E53 32CC1	384048114341001	391239	1160205	166	6,168	01/01/81	136	--	R
							03/01/81	136	--	R
							10/15/91	135.70	--	S
69	155A N17 E54 31BD1	391817115560701	391815	1155624	126	6,070	01/01/81	90	--	R
							03/01/81	91	--	R
							10/14/91	120.56	--	S
70	155C N10 E53 28DD1	384122116002901	384122	1160029	200	6,280	01/01/81	--	D	--
71	156 N04 E50 09BD1	381321116210201	381321	1162102	199	5,460	03/01/81	--	D	--
72	156 N04 E50 22BC1	381136116201101	381136	1162011	201	5,290	09/01/80	138	--	R
							01/01/81	134	--	R
73	156 N04 E51 16CA1	381216116142401	381216	1161424	200	5,200	09/01/80	73	--	R
							01/01/81	55	--	R
							03/01/81	55	--	R
							09/04/91	54.30	--	S
							04/06/93	54.38	--	S
							09/13/93	54.36	--	S
							01/05/94	54.37	--	S
							03/25/94	54.37	--	S
							07/06/94	54.28	--	S
							09/20/94	54.41	--	S
74	156 N04 E52 06CC1	381413116101401	381413	1161014	200	5,240	09/01/80	103	--	R
							01/01/81	101	--	R
75	156 N05 E50 01BD1	381923116174501	381925	1161733	200	5,266	09/01/80	113	--	R
							01/01/81	115	--	R
							03/01/81	114	--	R
							10/16/91	114.17	--	S
76	156 N06 E51 17BD1	382255116153801	382255	1161538	188	5,315	09/01/80	102	--	R
							01/01/81	79	--	R
							03/01/81	79	--	R
							10/16/91	78.73	--	S
							10/21/91	78.73	--	S
							03/27/92	78.77	--	S
							06/25/92	78.81	--	S
							09/18/92	79.00	--	S
							12/09/92	79.02	--	S
							04/06/93	78.98	--	S
							07/01/93	78.81	--	S
							09/13/93	78.87	--	S
							12/20/93	78.90	--	S
							03/26/94	78.83	--	S
							07/06/94	78.79	--	S
							09/20/94	78.85	--	S
77	156 N07 E51 04DC1	382926116141501	382926	1161415	200	5,490	09/01/80	132	--	R
							03/01/81	129	--	R
78	170 S01 E56 18DD1	375633115425201	375633	1154252	200	4,900	12/01/80	--	D	--
79	170 S01 E56 28BD1	375513115411301	375513	1154113	200	5,000	12/01/80	--	D	--

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pt. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level				
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method	
80	170	S02 E55 09AD1	374729115483301	374718	1154723	192	4,921	01/01/81	171	--	R
								03/01/81	170	--	R
								03/11/85	182.03	--	S
								11/20/91	181.92	--	S
								03/25/92	181.96	--	S
								06/18/92	181.98	--	S
								09/18/92	182.08	--	S
								12/09/92	182.11	--	S
								01/05/94	182.13	--	S
								03/22/94	178.99	--	S
81	170	S02 E55 24CB1	374523115440901	374523	1154445	153	4,800	07/06/94	--	O	--
								09/20/94	--	O	--
								11/01/80	55	--	R
								01/01/81	55	--	R
								03/05/81	55.31	--	S
								03/11/85	54.70	--	S
								04/10/90	54.40	--	C
								11/20/91	54.53	--	S
								04/12/93	54.52	--	S
								12/15/93	54.47	--	S
82	170	S02 E56 05AD1	380338115422001	374813	1154149	193	4,922	03/31/94	54.51	--	S
								09/20/94	54.54	--	S
								11/01/80	121	--	R
								11/20/91	120.12	Z	S
								04/12/93	120.12	--	S
								12/15/93	120.11	--	S
83	170	S02 E56 32DAAA1	374345115414701	374345	1154147	189	4,921	03/31/94	120.08	--	S
								09/20/94	120.08	--	S
								11/01/80	124	--	R
								01/01/81	124	--	R
								03/01/81	129	--	R
								03/05/81	119.93	--	S
								03/11/85	124.10	--	S
								11/20/91	113.54	--	S
								03/25/92	123.48	--	S
								06/17/92	123.52	--	S
								09/18/92	123.57	--	S
								12/09/92	123.58	--	S
								01/05/93	123.55	--	S
03/22/94	123.58	--	S								
84	170	S03 E54 12BCBC1	380829115513401	374212	1155137	200	4,975	07/07/94	123.60	--	S
								09/20/94	123.58	--	S
85	170	S03 E55 07CC1	380738115502901	374139	1155028	148	4,922	01/01/81	--	D	--
								01/01/81	104	--	R
								03/11/85	106.44	--	S
								04/10/90	111	--	C

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
85	170 S03 E55 07CC1	380738115502901	374139	1155028	148	4,922	11/20/91	112.09	--	S
							04/12/93	113.50	--	S
							12/15/93	--	O	--
							03/31/94	--	O	--
86	170 S03 E55 36ADDC1	373833115441101	373833	1154411	195	4,921	01/01/81	140	--	R
							03/05/81	138.98	--	S
							11/20/91	144.70	--	S
							09/18/92	144.90	--	S
							12/09/92	144.98	--	S
							01/05/94	145.25	--	S
							03/22/94	145.30	--	S
							07/07/94	145.42	--	S
09/20/94	145.48	--	S							
87	171 N01 E60 33CC1	375349115151501	375349	1151515	200	4,990	01/01/80	--	D	--
88	171 N03 E59 12AA1	380823115173901	380823	1151739	200	5,080	11/01/80	--	D	--
89	171 N03 E59 12AA2	380823115173902	380823	1151739	354	5,087	08/27/93	247.2	--	T
							09/14/93	247.8	--	T
							03/23/94	--	D	--
							07/06/94	--	D	--
							09/21/94	--	D	--
90	171 S01 E59 27CA1	374947115203801	374947	1152038	200	5,020	01/01/80	--	D	--
91	172 N02 E58 03AA1	380348115265001	380420	1152618	200	5,200	10/01/80	145	--	R
							01/01/81	139	--	R
							03/01/81	140	--	R
							03/12/85	138.27	--	S
							03/20/90	136.7	--	T
							09/04/91	--	O	--
							03/26/92	--	O	--
							06/18/92	--	O	--
							09/10/92	--	O	--
							12/23/92	--	O	--
							04/01/93	--	O	--
							06/08/93	--	O	--
							03/23/94	--	O	--
92	172 N03 E58 01DA1	380835115242601	380911	1152404	100	5,200	10/01/80	85	--	R
							01/01/81	87	--	R
							03/01/81	88	--	R
							03/12/85	86.69	--	S
							03/20/90	84.6	--	T
							09/04/91	85.1	--	T
							03/26/92	84.74	--	S
							06/18/92	84.65	--	S
							09/10/92	84.56	--	S
							10/07/92	84.55	--	S

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
92	172 N03 E58 01DA1	380835115242601	380911	1152404	100	5,200	12/23/92	84.62	--	S
							04/01/93	84.39	--	S
							06/08/93	84.40	--	S
							09/08/93	84.30	--	S
							12/16/93	84.23	--	S
							03/14/94	37.3	--	T
							03/23/94	84.07	--	S
							03/28/94	84.10	--	S
							07/06/94	84.14	--	S
							09/21/94	84.03	--	S
93	172 N03 E59 18BB1	380646115235001	380733	1152355	200	5,200	10/01/80	154	--	R
							01/01/81	152	--	R
							03/01/81	153	--	R
							03/12/85	151.47	--	S
							03/20/85	149.9	--	T
							09/04/91	150.14	--	S
94	172 N04 E58 22DB1	381127115263501	381127	1152635	100	5,520	01/01/81	--	D	--
95	172 N04 E58 22DB2	381127115263502	381127	1152635	398	5,520	09/14/93	184.7	--	T
							01/20/94	184.2	--	T
							03/23/94	184.0	--	T
							07/06/94	183.80	--	S
							09/21/94	183.75	--	S
96	172 N04 E58 33DB1	380942115274201	380942	1152742	200	5,600	11/01/80	--	D	--
97	172 N04 E58 33DB2	380942115274202	380942	1152742	400	5,520	09/14/93	392.7	--	T
							01/20/94	392.7	--	T
							03/23/94	392.4	--	T
							07/06/94	394.1	--	T
							09/21/94	393.23	--	S
98	172 N04 E59 30CD1	380937115233401	381039	1152334	100	5,240	01/01/81	64	--	R
							03/01/81	65	--	R
							03/12/85	62.98	--	S
99	172 N05 E59 31CAA1	381457115232901	381516	1152332	200	5,479	10/01/80	115	--	R
							11/01/80	111	--	R
							01/01/81	113	--	R
							03/20/90	110.7	--	T
							09/04/91	113.0	--	T
							03/26/92	111.10	--	S
							06/18/92	111.43	--	S
							09/10/92	111.31	--	S
							12/23/92	111.42	--	S
							04/01/93	111.80	--	S
							06/08/93	111.75	--	S
							09/08/93	111.91	--	S
							12/16/93	111.35	--	S
							03/28/94	111.44	--	S
							07/06/94	112.34	--	S
09/21/94	111.20	--	S							

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
100	173A N02 E52 24DC1	375619116035301	380103	1160414	200	4,880	09/01/80	122	--	R
							01/01/81	119	--	R
							03/22/93	77.0	--	T
							03/26/93	76.90	--	S
101	173A N02 E52 35AC1	375850116051801	375850	1160518	200	4,970	03/01/81	--	D	--
102	173A N02 E53 09BC1	380313116012601	380313	1160126	200	4,856	09/01/80	167	--	R
							05/15/84	158.20	--	S
							09/04/91	158.01	--	S
103	173A N02 E53 27DA1	380018115592901	380018	1155929	150	4,865	09/01/80	88	--	R
							05/15/84	84.56	--	S
							03/15/90	87.33	--	S
104	173A N02 E53 35AA1	375951115582201	375951	1155822	200	4,990	09/01/80	187	--	R
							01/01/81	192	--	R
105	173A N03 E53 18BC1	380740116034101	380740	1160341	200	4,990	03/01/81	--	D	--
							03/15/90	17.0	--	T
106	173B N04 E54 24ABDC1	381146115442401	381209	1155051	200	4,950	09/01/80	177	--	R
							03/01/81	166	--	R
107	173B N05 E54 26DCBA1	381603115520901	381550	1155202	200	4,835	09/01/80	72	--	R
							01/01/81	71	--	R
							05/15/84	70.35	--	S
							03/08/90	69.40	--	S
							09/04/91	69.33	--	S
							04/06/93	69.76	--	S
							09/17/93	69.92	--	S
							01/05/94	69.86	--	S
							03/28/94	69.78	--	S
							09/21/94	69.94	--	S
108	173B N05 E56 21ABCC2	381651115405901	381651	1154059	200	4,940	09/01/80	153	--	R
							01/01/81	194	--	R
							04/07/93	196.81	--	S
							09/14/93	196.94	--	S
							12/22/93	196.87	--	S
109	173B N06 E54 23BD1	382144115542601	382148	1155212	200	4,790	01/01/81	30	--	R
							03/01/81	29	--	R
							05/15/84	29.32	--	S
							03/08/90	29.06	--	S
							09/04/91	29.21	--	S
							03/26/92	29.17	--	S
							06/18/92	29.19	--	S
							08/18/92	29.22	--	S
							09/17/92	29.23	--	S
							12/10/92	29.10	--	S
							03/23/93	29.7	--	T
							06/17/93	--	W	--
							01/05/94	29.30	--	S
03/28/94	29.27	--	S							
09/21/94	29.17	--	S							

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
110	173B N06 E56 36CA1	382009115374201	382009	1153742	150	5,100	09/01/80	148	--	R
							01/01/81	--	D	--
111	173B N07 E55 08AC1	382844115484301	382844	1154843	--	4,863	03/01/81	93		R
112	173B N07 E57 11BCDD1	382855115321801	382855	1153218	350	4,840	01/01/81	--	D	--
							03/01/81	--	D	--
							09/16/93	120.4	--	T
							12/22/93	124.85	--	S
113	173B N07 E57 11DB1	382850115315401	382850	1153154	118	4,940	03/01/81	--	D	--
114	173B N09 E56 20CD1	383712115420301	383712	1154203	198	4,905	01/01/81	110	--	R
							03/01/81	110	--	R
							06/05/84	109.71	--	S
							03/02/90	109.68	--	S
							09/03/91	109.54	--	S
							03/26/92	108.57	--	S
							06/24/92	109.48	--	S
							08/18/92	109.54	--	S
							09/17/92	110.28	--	S
							12/09/92	110.38	--	S
							04/08/93	110.35	--	S
							07/01/93	110.20	--	S
							09/17/93	110.32	--	S
							12/21/93	110.33	--	S
							03/28/94	110.08	--	S
							07/06/94	110.21	--	S
							09/20/94	110.30	--	S
115	173B N10 E56 03AA1	384537115391201	384537	1153912	200	5,180	01/01/81	--	D	--
116	173B N10 E56 34CC1	384042115400301	384043	1154008	199	4,987	01/01/81	153	--	R
							03/01/81	153	--	R
							06/05/84	151.93	--	S
							03/06/90	150.5	--	T
							09/03/91	149.75	--	S
117	173B N11 E57 26BD1	384705115314501	384705	1153145	199	5,060	01/01/81	--	D	--
118	173B N13 E55H18BA1	385811115494801	385811	1154404	200	5,630	01/01/81	123	--	R
119	173B N15 E56 25BB1	390829115373801	390831	1153740	158	5,950	01/01/80	128	--	R
							01/01/81	128	--	R
							03/01/81	127	--	R
							09/03/91	125.09	--	S
120	174 N16 E59 12DB1	391556115163901	391556	1151639	101	6,300	01/01/81	--	D	--
121	174 N16 E60 33CD1	391209115133301	391209	1151333	161	6,171	01/01/81	--	D	--
122	175 N21 E58 17CA1	394117115275801	394117	1152758	200	6,151	01/01/81	103	--	R
123	175 N21 E58 21DB1	394024115263401	394024	1152634	150	6,234	01/01/81	55	--	R
							10/01/91	54.26	--	S
124	175 N21 E58 25BA1	393956115232701	393956	1152327	150	6,105	01/01/81	77	--	R
125	175 N22 E58 34DC1	394340115252501	394351	1152522	150	6,234	01/01/81	49	--	R
							03/01/81	50	--	R
							09/30/91	48.14	--	S



**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
126	175 N22 E59 15DC1	394617115183401	394617	1151834	200	6,234	01/01/81	45	--	R
							10/02/91	44.66	--	S
127	175 N22 E59 32CCCB1	394343115213301	394343	1152133	203	6,097	01/01/81	70	--	R
							04/21/83	70.25	--	S
							04/24/84	70.25	--	S
128	175 N23 E58 27CA1	395013115252801	395012	1152538	150	6,234	01/01/81	107	--	R
							03/01/81	107	--	R
							04/20/83	106.04	--	S
							04/24/84	104.52	--	S
							10/01/91	105.10	--	S
129	175 N23 E59 06CD1	395327115213101	395323	1152221	150	6,234	01/01/81	73	--	R
							03/01/81	72	--	R
							04/20/83	72.59	--	S
							10/01/91	71.70	--	S
130	175 N23 E59 16CD1	395154115201701	395133	1151956	150	6,234	01/01/81	62	--	R
							03/01/81	62	--	R
							04/21/83	61.60	--	S
							10/02/91	61.08	--	S
131	175 N24 E59 01DC1	395845115161901	395846	1151613	150	6,235	01/01/81	104	--	R
							03/01/81	103	--	R
							04/20/83	103.25	--	S
							10/01/91	102.50	--	S
132	175 N24 E59 27AB1	395535115184601	395549	1151847	151	6,234	01/01/81	57	--	R
							04/20/83	58.01	--	S
							10/01/91	55.47	--	S
133	175 N25 E60 17AA1	400303115134501	400303	1151345	201	6,800	01/01/81	--	D	--
134	178B N20 E62 32BCAA1	393338115013001	393338	1150130	200	6,350	01/01/81	141	--	R
							03/01/81	142	--	R
							04/20/83	141.29	--	S
135	178B N21 E60 12AB1	394232115092701	394242	1150928	197	6,398	01/01/81	89	--	R
							10/09/91	88.86	--	S
136	178B N21 E61 07AC1	394232115081101	394226	1150713	139	6,398	01/01/81	80	--	R
							10/09/91	79.19	--	S
137	178B N21 E61 22AA1	394020115043001	394048	1150331	175	6,398	01/01/81	57	--	R
							04/20/83	56.77	--	S
							10/10/91	54.08	--	S
138	178B N21 E61 30BD1	393926115085201	393926	1150832	186	6,398	01/01/81	137	--	R
							10/10/91	136.12	--	S
139	178B N21 E61 33DC1	393807115080301	393825	1150645	193	6,275	01/01/81	77	--	R
							04/20/83	77.84	--	S
							10/09/91	76.93	--	S
140	178B N22 E60 09DB1	394709115124501	394746	1151251	160	6,234	01/01/81	48	--	R
							04/20/83	50.18	--	S
							10/02/91	47.82	--	S
141	178B N23 E61 08DDCA1	395211115054301	395211	1150543	145	6,338	01/01/81	104	--	R
							04/18/83	105.08	--	S

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
142	178B N24 E61 04DD1	395827115050801	395831	1150425	201	6,398	01/01/81	14	--	R
							10/08/91	--	O	--
143	178B N24 E61 06DA1	395853115075101	395848	1150636	177	6,398	01/01/81	77	--	R
							04/18/83	77.82	--	S
							10/08/91	77.57	--	S
144	178B N26 E61 28CA1	400557115055701	400601	1150610	148	6,398	01/01/81	138	--	R
							04/18/83	136.64	--	S
							10/12/91	136.01	--	S
145	178B N26 E62 19BBD1	400708115015501	400708	1150155	201	6,290	01/01/81	33	--	R
							04/18/83	33.86	--	S
146	179 N13 E64 01CC1	390048114442901	390048	1144429	200	6,880	07/29/80	--	D	--
							03/01/81	--	D	--
147	179 N13 E64 06BA1	390128114495401	390125	1144939	200	6,815	11/01/80	18	--	R
							01/01/81	26	--	R
							03/01/81	27	--	R
							03/03/81	26.39	--	S
							05/09/83	32.4	--	T
							08/21/84	34.44	--	S
							04/21/85	35.57	--	S
							09/27/91	44.55	--	S
							03/15/94	37.7	--	T
148	179 N14 E64 06AA1	390649114491201	390645	1144917	200	6,693	11/01/80	132	--	R
							01/01/81	136	--	R
							03/01/81	135	--	R
							03/03/81	134.89	--	S
							05/09/83	135.1	--	T
							10/04/84	133.56	--	S
							09/27/91	131.77	--	S
149	179 N14 E64 14AA1	390500114444901	390500	1144449	167	6,759	01/01/81	159	--	R
							03/01/81	159	--	R
							03/03/81	158.81	--	S
							09/27/91	155.03	--	S
150	179 N14 E64 15BD1	390442114462601	390446	1144624	150	6,644	11/01/80	68.00	--	S
							01/01/81	51	--	R
							03/01/81	51	--	R
							03/03/81	50	--	R
							05/09/83	50.0	--	T
							08/22/83	49.78	--	S
							10/04/84	48.79	--	S
							09/27/91	--	O	--
151	179 N14 E64 19DADA1	390337114491201	390337	1144905	198	6,720	01/01/81	86	--	R
							03/03/81	86.99	--	S
152	179 N15 E64 18BA1	391012114495801	391012	1144950	190	6,644	01/01/81	64	--	R
							03/03/81	64	--	R
							05/05/83	68.4	--	T
							10/04/84	68.94	--	S
							09/25/91	70.78	--	S
							03/15/94	70.3	--	T

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
153	179 N15 E64 34DA1	390714114455201	390710	1144556	150	6,644	11/01/80	78.00	--	S
							01/01/81	75	--	R
							03/01/81	76	--	R
							05/02/83	74.90	--	S
							10/04/84	72.57	--	S
							09/28/91	76.09	--	S
154	179 N15 E64 35AC1	390712114451701	390724	1144503	200	6,759	01/01/80	161	--	R
							01/01/81	161	--	R
							03/01/81	158	--	R
							05/02/83	157.8	--	T
							10/04/84	157.49	--	S
							09/27/91	153.94	--	S
155	180 N09 E64 18AA1	383852114492601	383852	1144926	101	6,440	12/01/80	--	D	--
156	180 N09 E64 20AD1	383746114482101	383746	1144821	200	6,100	08/19/93	--	Z	--
157	183 N06 E65 25AA1	382123114371501	382123	1143715	200	6,040	03/01/81	--	D	--
158	183 N07 E66 16AC1	382753114341301	382810	1143418	97	5,915	07/01/80	17	--	R
							01/01/81	17	--	R
							03/01/81	17	--	R
							11/14/91	19.75	--	S
							03/24/92	19.72	--	S
							06/22/92	20.08	--	S
							08/19/92	19.53	--	S
							09/15/92	20.29	--	S
							12/07/92	20.29	--	S
							04/06/93	19.78	--	S
							06/09/93	19.83	--	S
							06/16/93	20.02	--	S
							09/09/93	20.09	--	S
							12/09/93	19.65	--	S
							03/30/94	19.35	--	S
							06/22/94	19.56	--	S
							09/22/94	19.90	--	S
12/14/94	20.03	--	S							
03/29/95	19.39	--	S							
07/07/95	19.02	--	S							
							10/17/95	18.89	--	S
							01/16/96	19.10	--	S
							03/19/96	18.62	--	S
							05/21/96	18.72	--	S
159	183 N08 E66 11AD1	383423114314601	383423	1143146	200	6,080	03/01/81	--	D	--
160	183 N08 E66 11BC1	383423114323601	383423	1143236	101	6,040	03/01/81	--	D	--
161	183 N08 E66 36CB1	383041114313101	383041	1143131	101	5,935	07/01/80	85	--	R
							01/01/81	56	--	R
162	183 N10 E66 20CA1	384245114360801	384245	1143608	160	5,990	01/01/81	--	D	--
163	183 N10 E66 34CD1	38404811433500	384048	11433500	101	5,960	03/01/81	--	D	--
164	183 N10 E66 34DC1	384048114333101	384048	1143331	101	6,100	01/01/81	--	D	--
165	184 N09 E68 21DC1	383720114205701	383720	1142057	96	5,930	03/01/81	--	D	--

**Table 1.** Ground-water data for small-diameter monitoring wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
166	184 N10 E67 07BA1	384448114300901	384448	1143009	200	5,880	07/01/80	85	--	R
							03/01/81	84	--	R
							04/20/83	85.50	--	S
167	184 N10 E67 22AA1	384310114261401	384310	1142614	100	5,889	07/01/80	67	--	R
							01/01/81	70	--	R
							03/01/81	67	--	R
							09/29/91	65.58	--	S
							03/24/92	65.77	--	S
							06/22/92	65.75	--	S
							09/15/92	65.82	--	S
							12/07/92	65.78	--	S
							05/05/93	66.02	--	S
							03/30/94	65.69	--	S
							06/15/94	65.68	--	S
							09/22/94	65.73	--	S
							12/14/94	65.78	--	S
							03/29/95	65.84	--	S
07/06/95	65.78	--	S							
168	184 N10 E67 26BB1	384216114260001	384216	1142600	200	5,944	07/01/80	12	--	R
							01/01/81	19	--	R
							03/01/81	17	--	R
							04/20/83	47.70	--	S
							03/08/90	87.2	--	T
							09/29/91	95.49	--	S
							07/01/80	121	--	R
169	184 N10 E68 31CD1	384039114232701	384039	1142327	150	5,906	01/01/81	121	--	R
							03/01/81	120	--	R
							04/20/83	120.71	--	S
							09/28/91	119.59	--	S
							03/24/92	119.56	--	S
							06/22/92	119.49	--	S
							09/15/92	119.44	--	S
							12/07/92	119.45	--	S
							05/05/93	119.60	--	S
							03/30/94	119.44	--	S
							06/15/94	119.46	--	S
09/09/94	119.37	--	S							
170	184 N11 E66 15CA1	384849114330701	384849	1143307	200	6,000	01/01/81	--	D	--
171	184 N11 E66 23AB1	384831114314301	384831	1143143	102	5,840	07/01/80	47	--	R
							01/01/81	48	--	R
							03/01/81	47	--	R
							04/20/83	48.00	--	S
							03/08/90	45.65	--	S

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification						Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
171	184 N11 E66 23AB1	384831114314301	384831	1143143	102	5,840	09/29/91	46.77	--	S	
							09/17/92	47.07	--	S	
							06/16/93	47.86	--	S	
172	184 N11 E68 19DCDC1	384745114224401	384741	1142243	200	5,906	01/01/81	94	--	R	
							03/01/81	94	--	R	
							04/19/83	94.60	--	S	
							03/08/90	93.1	--	T	
							09/28/91	94.83	--	S	
							03/24/92	95.20	--	S	
							06/22/92	95.44	--	S	
							09/15/92	95.80	--	S	
							12/07/92	96.20	--	S	
							05/05/93	96.60	--	S	
							03/30/94	97.43	--	S	
							06/15/94	97.59	--	S	
							09/22/94	97.68	--	S	
							12/13/94	97.77	--	S	
							03/29/95	97.98	--	S	
173	184 N13 E66 13CCAA1	385913114310401	385913	1143104	132	5,978	11/01/80	--	D	--	
							04/20/83	--	D	--	
174	184 N13 E67 15DCDC1	385906114260501	385906	1142605	160	5,886	07/01/80	90.	--	R	
							01/01/81	94	--	R	
							03/01/81	94	--	R	
							04/20/83	95.11	--	S	
175	184 N14 E66 24BDDD1	390352114305401	390352	1143054	160	5,840	01/01/81	39	--	R	
							03/01/81	39	--	R	
							04/21/83	38.92	--	S	
							09/28/91	35.94	--	S	
							03/17/92	35.92	--	S	
							06/23/92	36.05	--	S	
							09/16/92	36.22	--	S	
							12/08/92	37.01	--	S	
							04/07/93	36.27	--	S	
							06/15/93	36.25	--	T	
							06/22/93	36.32	--	S	
							09/21/93	36.44	--	S	
							12/20/93	36.57	--	S	
							03/25/94	36.59	--	S	
							06/14/94	36.63	--	S	
09/07/94	36.77	--	S								
12/13/94	36.60	--	S								
03/29/95	36.95	--	S								
07/06/95	37.04	--	S								
10/17/95	37.20	--	S								

**Table 1.** Ground-water data for small-diameter monitoring wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
175	184 N14 E66 24BDDD1	390352114305401	390352	1143054	160	5,840	01/17/96	37.15	--	S
							03/20/96	37.26	--	S
							05/21/96	37.27	--	S
176	184 N15 E67 02DACB1	391135114244701	391135	1142447	185	5,780	07/01/80	180	--	R
							01/01/81	151	--	R
							03/01/81	152	--	R
							04/21/83	150.44	--	S
177	184 N15 E67 26CA1	390803114251001	390803	1142527	200	5,676	01/01/81	25	--	R
							04/21/83	30.91	--	S
							03/06/90	31.9	--	T
							09/28/91	35.04	--	S
							03/14/94	37.3	--	T
178	195 N11 E70 35AD1	384702114041601	384702	1140416	101	5,578	01/01/81	70	--	R
							09/26/91	69.28	--	S
							03/25/92	68.77	--	S
							06/23/92	69.00	--	S
							09/16/92	68.84	--	S
							12/08/92	68.75	--	S
							04/06/93	68.85	--	S
							06/15/93	68.79	--	S
							06/29/93	69.34	--	S
							09/21/93	69.07	--	S
							12/20/93	69.00	--	S
							01/19/94	69.28	--	S
							03/24/94	68.84	--	S
							03/29/94	68.8	--	T
							05/11/94	68.69	--	S
							06/14/94	68.87	--	S
							07/19/94	68.83	--	S
							09/07/94	68.98	--	S
							09/22/94	68.93	--	S
11/04/94	68.86	--	S							
12/13/94	68.95	--	S							
03/29/95	68.68	--	S							
05/17/95	68.8	--	T							
07/06/95	68.8	--	T							
10/17/95	69.0	--	T							
01/17/96	69.0	--	T							
03/20/96	68.8	--	T							
05/21/96	68.8	--	T							
179	195 N11 E70 35BA1	384714114051001	384714	1140510	200	5,660	09/01/80	143	--	R
							01/01/81	144	--	R
							09/26/91	141.08	--	S
							03/25/92	140.85	--	S
							06/23/92	141.09	--	S

**Table 1.** Ground-water data for small-diameter monitoring wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
179	195 N11 E70 35BA1	384714114051001	384714	1140510	200	5,660	09/16/92	141.10	--	S
							04/06/93	141.77	--	S
							06/29/93	141.24	--	S
							09/21/93	141.11	--	S
							12/20/93	141.22	--	S
							03/24/94	141.22	--	S
							06/14/94	141.32	--	S
							09/07/94	141.35	--	S
							12/13/94	141.40	--	S
							03/29/95	141.51	--	S
							07/06/95	141.59	--	S
							10/17/95	141.65	--	S
							01/17/96	141.68	--	S
							03/20/96	141.75	--	S
05/21/96	141.80	--	S							
180	195 N11 E70 36BD1	384702114034101	384702	1140341	101	5,545	09/01/80	67	--	R
							01/01/81	67	--	R
							09/26/91	66.50	--	S
							03/25/92	66.08	--	S
							06/23/92	66.12	--	S
							09/16/92	66.27	--	S
							12/08/92	66.11	--	S
							04/06/93	65.90	--	S
							06/29/93	66.00	--	S
							09/21/93	66.19	--	S
							12/20/93	66.01	--	S
							03/24/94	65.90	--	S
							06/14/94	65.93	--	S
							09/07/94	66.17	--	S
181	195 N12 E70 13AC1	385450114032301	385450	1140323	200	5,520	01/01/81	--	D	--
182	195 N14 E70 08DC1	390543114081801	390543	1140818	79	5,996	01/01/81	60	--	R
							03/18/92	60.29	--	S
							06/23/92	61.24	--	S
							09/16/92	62.16	--	S
							12/08/92	62.51	--	S
							04/06/93	62.34	--	S
							06/30/93	55.26	--	S
							09/21/93	59.64	--	S
							12/20/93	61.26	--	S
							03/24/94	61.40	--	S
							06/14/94	61.89	--	S
							09/07/94	62.23	--	S
							12/13/94	62.58	--	S
							03/29/95	62.02	--	S
07/06/95	57.41	--	S							

**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
182	195 N14 E70 08DC1	390543114081801	390543	1140818	79	5,996	10/17/95	57.04	--	S
							01/17/96	59.00	--	S
							03/20/96	59.89	--	S
							05/21/96	57.38	--	S
183	195 N15 E70 25DD1	390812114033601	390812	1140336	94	5,068	01/01/81	14	--	R
							03/01/81	14	--	R
							09/26/91	10.63	--	S
							03/18/92	10.57	--	S
							06/23/92	11.03	--	S
							09/16/92	11.23	--	S
							12/08/92	11.16	--	S
							04/06/93	11.00	--	S
							06/29/93	11.44	--	S
							09/21/93	11.70	--	S
							12/20/93	11.56	--	S
							03/24/94	11.51	--	S
							06/14/94	11.91	--	S
							09/07/94	12.26	--	S
							12/13/94	12.02	--	S
							03/29/95	12.05	--	S
07/06/95	12.26	--	S							
10/17/95	12.58	--	S							
01/17/96	12.55	--	S							
03/20/96	12.46	--	S							
05/21/96	12.60	--	S							
184	196 N08 E69 09DA1	383404114135201	383404	1141352	100	5,760	03/01/81	--	D	--
185	196 N09 E69 32DA1	383548114150101	383548	1141501	200	5,950	03/01/81	--	D	--
186	196 N09HE70 33AC1	383559114072701	384108	1140739	101	5,650	07/01/80	75	--	R
							01/01/81	77	--	R
187	202 N01 E67 08BAB1	375838114294601	375800	1142939	193	5,920	07/01/80	184	--	R
							01/01/81	--	D	--
							03/04/81	171	--	R
							05/05/82	--	O	--
							03/14/85	--	D	--
04/06/90	--	D	--							
188	202 N02 E66 13CA1	380152114314901	380152	1143149	200	5,920	01/01/81	--	D	--
189	202 N02 E67 14AA1	380219114254701	380219	1142547	100	5,720	01/01/81	--	D	--
190	202 N02 E67 18BC1	380206114305801	380206	1143058	100	5,800	01/01/81	--	D	--
191	202 N02 E67 35BCD1	375928114263501	375928	1142635	139	5,520	07/01/80	56	--	R
							01/01/81	56	--	R
							03/04/81	56	--	R
							03/14/85	55.43	--	S
							04/06/90	64.0	--	C
192	202 N02 E68 07BD1	380258114240801	380258	1142408	203	5,890	03/01/81	--	D	--
193	202 N03 E67 19BA1	380640114304101	380640	1143041	188	5,758	01/01/81	147	--	R
							11/14/91	44.52	--	S
194	207 N04 E60 13AD1	381234115105601	381234	1151056	165	5,210	03/01/81	--	D	--



**Table 1.** Ground-water data for small-diameter monitoring wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
195	207 N05 E60 03ABBA1	381941115131801	381941	1151318	202	5,165	11/01/80	48	--	R
							09/05/91	48.13	--	S
							05/03/93	48.00	--	S
							12/16/93	48.09	--	S
							03/28/94	48.08	--	S
							07/06/94	48.03	--	S
							09/21/94	47.99	--	S
196	207 N06 E60 19CA1	382151115164501	382151	1151645	200	5,360	12/01/80	--	D	--
197	207 N06 E61 27AADC1	382111115055901	382111	1150556	96	5,210	09/01/80	78	--	R
							01/01/81	71	--	R
							03/01/81	71	--	R
							03/13/85	71.60	--	S
							03/09/90	69.9	--	T
							09/05/91	70.87	--	S
							05/03/93	69.8	--	T
							12/16/93	69.74	--	S
							03/28/94	69.67	--	S
							07/07/94	69.60	--	S
09/21/94	69.53	--	S							
198	207 N07 E61 04DDBA1	382942115070201	382927	1150702	162	5,245	01/01/81	38	--	R
199	207 N07 E61 19BDDC1	382718115094901	382705	1150949	101	5,245	09/05/91	38.03	--	S
							11/01/80	50	--	R
200	207 N08 E61 27DDBA1	383113115061201	383109	1150557	230	5,230	01/01/81	49	--	R
							03/09/90	48.5	--	T
							09/04/91	49.11	--	S
							12/19/79	43	--	R
201	207 N08 E61 27DDBA2	383113115061202	383109	1150557	410	5,230	03/22/90	38.45	--	S
							10/12/91	39.66	--	S
							07/21/94	39.81	--	S
							12/19/79	43	--	R
202	207 N08 E62 28AD1	383139115002601	383139	1150026	198	5,530	03/23/90	38.24	--	S
							10/12/91	39.46	--	S
203	207 N08 E62 30CD1	383133115030201	383109	1150312	101	5,285	07/21/94	39.60	--	S
							01/01/81	--	D	--
							09/01/80	73	--	R
							01/01/81	64	--	R
							03/01/81	65	--	R
							03/22/90	91.60	--	S
							09/05/91	27.72	--	S
							10/12/91	64.45	--	S
							03/03/92	64.31	--	S
							03/27/92	64.38	--	S
06/17/92	64.39	--	S							
09/09/92	64.42	--	S							

**Table 1.** Ground-water data for small-diameter monitoring wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level)	Water level			
	Local well number	Standard identification	Latitude	Longitude			Date <sup>1</sup>	Feet below land surface <sup>2</sup>	Site status	Method
203	207 N08 E62 30CD1	383133115030201	383109	1150312	101	5,285	12/30/92	64.59	--	S
							04/01/93	64.35	--	S
							06/07/93	64.40	--	S
							09/08/93	64.43	--	S
							12/16/93	64.52	--	S
							03/29/94	64.50	--	S
							07/06/94	64.50	--	S
							07/21/94	64.53	--	S
							09/21/94	64.56	--	S
204	207 N10 E60 01CC1	384502115111801	384502	1151118	197	5,496	11/01/80	181	--	R
							09/05/91	178.27	--	S
205	207 N10 E60 33DA1	384060115134401	384109	1151344	200	5,453	11/01/80	129	--	R
							09/05/91	127.69	--	S
206	207 N10 E61 13CD1	384323115041801	384323	1150418	51	5,380	10/01/80	44	--	R
							01/01/81	42	--	R
207	207 N11 E61 27BA1	384729115062501	384729	1150625	161	5,437	01/01/81	13	--	R
							09/05/91	12.15	--	S
208	207 N13 E62 32DA1	385636115012201	385636	1150122	200	5,709	01/01/81	159	--	R
							09/05/91	157.85	--	S

<sup>1</sup> For some reported water levels, the exact date of measurement is not known. When only the year of measurement (for example, 1981) is known, the format "01/01/81" is used herein for reported water levels; likewise when only the month and year (for example, November 1980) are known, the format "11/01/80" is used.

<sup>2</sup> Water levels listed herein are from data base. Calibrated air-line and reported measurements are entered into the data base to the nearest foot; electric-tape measurements are entered to the nearest tenth of a foot; and steel-tape measurements are entered to the nearest hundredth of a foot.

**Table 2.** Ground-water data for large-diameter production and observation wells

[Site status: D, site was dry; O, obstructed; P, well was being pumped; V, foreign substance present on surface of water; --, status unknown.

Water-level method: R, reported; S, steel tape; T, electric tape; --, measurement method unknown]

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification	Date						Feet below land surface <sup>2</sup>	Site status	Method	
209	155C N08 E53 29DA1	383127116014001	383127	1160140	573	5,810	10.00	05/22/81	467	--	R	
								03/05/92	465.30	--	S	
210	155C N08 E53 29DA2	383127116014002	383127	1160140	650	5,810	2.00	05/22/81	469	--	R	
								03/05/92	466.90	--	S	
211	155C N08 E53 29DA3	383127116014003	383127	1160140	493	5,810	2.00	05/22/81	472	--	R	
								03/05/92	467.23	--	S	
212	156 N03 E50 13CA1	380652116200901	380652	1162009	682	5,350	10.00	02/13/81	317	--	R	
								03/05/92	314.32	--	S	
								09/20/93	314.23	--	S	
								11/21/93	313.9	--	T	
								01/19/94	174.2	--	T	
								02/16/94	313.9	--	T	
								03/25/94	313.8	--	T	
								07/14/94	313.8	--	T	
								12/12/94	313.7	--	T	
								02/03/95	313.6	--	T	
								05/16/95	314.0	--	T	
213	156 N03 E50 13CA2	380652116200902	380652	1162009	703	5,350	2.00	02/07/81	321	--	R	
								03/05/92	319.35	--	S	
214	156 N03 E50 13CA3	380652116200903	380652	1162009	405	5,350	2.00	04/11/81	321	--	R	
								03/05/92	319.18	--	S	
215	156 N06 E50 27AC1	382109116194901	382109	1161949	505	5,580	10.00	10/03/80	292	--	R	
								02/04/95	285.40	--	S	
216	156 N06 E50 27AC2	382109116194902	382109	1161949	455	5,580	2.50	10/03/80	304	--	R	
217	156 N07 E51 10AD1	382901116125201	382901	1161252	480	5,600	10.75	10/09/80	237	--	R	
								03/05/92	236.54	--	S	
								05/14/92	236.3	--	T	
								08/07/92	236.48	--	S	
								10/09/92	236.3	--	T	
								03/22/93	236.3	--	T	
								06/14/93	236.1	--	T	
								07/16/93	236.3	--	T	
								08/24/93	236.1	--	T	
								11/21/93	236.1	--	T	
								02/16/94	236.3	--	T	
								03/25/94	236.3	--	T	
								07/14/94	236.1	--	T	
09/23/94	236.37	--	S									
12/15/94	236.45	--	S									
02/03/95	235.8	--	T									
05/16/95	236.2	--	T									
10/15/95	236.1	--	T									
01/18/96	236.2	--	T									
05/23/96	236.3	--	T									

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
218	156 N07 E51 10AD2	382901116125202	382901	1161252	480	5,610	2.50	10/09/80	256	--	R	
								03/05/92	254.95	--	S	
219	171 N03 E59 10BD1	380758115204601	380816	1152019	1,837	5,560	10.00	12/08/80	803.00	--	S	
								10/04/83	801.46	--	S	
								11/08/83	801.39	--	S	
								05/02/84	801	--	R	
								06/13/84	801	--	R	
								07/31/84	801	--	R	
								09/19/84	801	--	R	
								10/02/84	801	--	R	
								10/24/84	799.5	--	T	
								12/05/84	799.9	--	T	
								12/14/84	800.83	--	S	
								02/01/85	800.62	--	S	
								01/29/86	800	--	R	
								06/10/86	800.9	--	T	
								07/14/86	800.6	--	T	
								08/21/86	801.1	--	T	
								09/19/86	799.9	--	T	
								12/10/86	801.2	--	T	
								02/02/87	801.1	--	T	
								03/02/87	801.4	--	T	
03/26/87	801.5	--	T									
05/22/87	800.0	--	T									
06/04/87	801.1	--	T									
08/17/87	797.05	--	S									
09/10/87	801.7	--	T									
10/15/87	801.7	--	T									
11/18/87	801.7	--	T									
12/10/87	801.5	--	T									
02/04/88	801.7	--	T									
02/12/88	801.6	--	T									
03/07/88	801.6	--	T									
04/07/88	801.4	--	T									
05/11/88	801.3	--	T									
01/17/89	801.5	--	T									
02/28/89	801.4	--	T									
06/06/89	801.6	--	T									
07/27/89	801.7	--	T									
09/14/89	801.95	--	S									
05/21/90	802.1	--	T									
08/14/90	802.2	--	T									
11/06/90	801.6	--	T									
03/04/91	802.1	--	T									
03/22/91	802.0	--	T									
06/17/91	802.0	--	T									
09/18/91	802.1	--	T									

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification	Latitude					Date	Feet below land surface <sup>2</sup>	Site status	Method
219	171 N03 E59 10BD1	380758115204601	380816	1152019	1,837	5,560	10.00	12/12/91	801.9	--	T
								03/13/92	804.0	--	T
								06/18/92	801.9	--	T
								09/10/92	802.1	--	T
								10/07/92	801.3	--	T
								12/23/92	802.4	--	T
								04/01/93	801.3	--	T
								06/08/93	802.0	--	T
								08/26/93	800.2	--	T
								09/08/93	801.4	--	T
								11/20/93	800.0	--	T
								12/16/93	801.3	--	T
								01/20/94	800.1	--	T
								03/23/94	800.0	--	T
								03/28/94	800.5	--	T
								07/06/94	801.4	--	T
								09/21/94	800.6	--	T
								03/28/95	799.2	--	T
								05/18/95	799.3	--	T
								07/07/95	798.5	--	T
								10/16/95	789.3	--	T
								03/23/96	798.2	--	T
220	171 S01 E59 34CB1	374844115202601	374844	1152026	1,340	5,100	10.00	06/08/81	845	--	R
221	171 S01 E59 34CB2	374856115205402	374856	1152054	1,452	5,100	2.00	06/08/81	862	--	R
222	172 N02 E57 22BA2	380132115333502	380132	1153335	1,032	5,400	2.00	12/12/80	431	--	R
								04/12/93	421.8	--	T
								03/31/94	--	O	--
223	172 N02 E57 22BBC1	380132115333501	380134	1153344	1,010	5,550	10.00	12/12/80	422	--	R
								03/20/90	417.8	--	T
								09/21/93	412.75	--	S
								11/20/93	413.2	--	T
								01/20/94	412.7	--	T
								03/23/94	412.7	--	T
								06/08/94	412.2	--	T
								07/20/94	412.0	--	T
								10/16/95	411.1	--	T
								05/22/96	409.6	--	T
								224	172 N02 E57 22BBC3	380132115333503	380132
225	173B N03 E52 02DA2	380906116050502	380906	1160505	495	5,010	2.50	08/15/80	235	--	R
								09/29/80	235	--	R
								03/22/93	233.03	--	S
								06/17/93	232.97	--	S
								07/14/93	231.1	--	T
								08/24/93	231.5	--	T
								11/16/93	230.5	--	T
								02/16/94	233.0	--	T
								03/25/94	233.0	--	T
								05/10/94	233.08	--	S

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
225	173B N03 E52 02DA2	380906116050502	380906	1160505	495	5,010	2.50	07/14/94	232.8	--	T	
								12/12/94	233.0	--	T	
								02/03/95	232.4	--	T	
								05/16/95	233.0	--	T	
								10/15/95	232.8	--	T	
								01/15/96	232.9	--	T	
								03/18/96	232.9	--	T	
05/20/96	232.8	--	T									
226	173B N03 E52 02DADB1	380906116050501	380906	1160505	452	5,005	10.00	08/25/80	230	--	R	
								09/29/80	233	--	R	
								05/14/84	233.6	--	T	
								03/15/90	231.6	--	T	
								07/16/91	231.4	--	S	
227	173B N10 E58 17BDDC1	384342115283501	384342	1152835	600	5,135	2.50	09/29/80	282	--	R	
								06/06/84	273.35	--	S	
								03/06/90	268.44	--	S	
								07/16/91	272.36	--	S	
								10/22/91	272.74	--	S	
								12/05/91	273.73	--	S	
								03/22/92	274.91	--	S	
								06/24/92	275.77	--	S	
								09/17/92	276.72	--	S	
								12/09/92	277.61	--	S	
								04/07/93	278.67	--	S	
								06/30/93	278.74	--	S	
								09/16/93	278.92	--	S	
								12/21/93	279.16	--	S	
03/26/94	276.9	--	T									
228	173B N10 E58 17BDDC2	384342115283502	384342	1152835	220	5,135	2.50	07/07/94	277.68	--	S	
								09/20/94	278.20	--	S	
229	173B N10 E58 17CAAB1	384338115283601	384338	1152836	581	5,135	10.00	09/29/80	282	--	R	
								03/07/90	268.68	--	S	
								06/27/91	291.56	V	S	
								10/21/91	288.88	--	S	
								12/05/91	287.84	--	S	
								03/22/92	284.57	--	S	
								05/12/92	275.1	--	T	
								06/24/92	281.40	--	S	
								08/18/92	276.07	--	S	
								09/05/92	276.53	--	S	
								09/17/92	279.97	--	S	
								12/09/92	277.16	--	S	
								03/23/93	277.6	--	T	
								04/07/93	279.07	--	S	
06/14/93	278.2	--	T									

**Table 2.** Ground-water data for large-diameter production and observation wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
229	173B N10 E58 17CAAB1	384338115283601	384338	1152836	581	5,135	10.00	06/30/93	278.37	--	S	
								07/14/93	277.9	--	T	
								08/24/93	278.0	--	T	
								09/16/93	278.31	--	S	
								11/21/93	278.4	--	T	
								12/21/93	278.50	--	S	
								02/17/94	278.4	--	T	
								03/26/94	277.1	--	T	
								06/07/94	277.1	--	T	
								07/07/94	276.90	--	S	
								07/20/94	277.3	--	T	
								09/20/94	277.73	--	S	
								09/23/94	277.8	--	T	
								12/15/94	278.36	--	S	
								02/03/95	277.6	--	T	
								05/16/95	276.8	--	T	
								05/16/95	276.8	--	T	
								10/15/95	277.2	--	T	
								01/18/96	275.9	--	T	
								03/21/96	274.5	--	T	
05/23/96	274.4	--	T									
230	179 N12 E63 12AB1	385521114503601	385521	1145036	640	7,320	6.00	10/13/80	414	--	R	
								07/27/83	414.38	--	S	
								08/15/83	414.26	--	S	
								09/07/83	413.18	--	S	
								09/15/83	413.35	--	S	
								11/08/83	414.36	--	S	
								12/30/83	414.80	--	S	
								05/11/84	413.62	--	S	
								05/15/84	414.21	--	S	
								06/11/84	410.40	--	S	
								07/31/84	410.35	--	S	
								09/21/84	411.38	--	S	
								10/15/84	411.56	--	S	
								11/03/85	412.25	--	S	
								04/24/86	411.87	--	S	
								08/05/86	409.72	--	S	
								11/05/86	410.78	--	S	
								01/14/87	411.80	--	S	
								02/12/87	411.74	--	S	
								03/25/87	412.19	--	S	
05/29/87	413.07	--	S									
07/23/87	412.68	--	S									
12/08/87	415.18	--	S									
01/20/88	415.80	--	S									
05/18/88	417.20	--	S									

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
230	179	N12 E63 12AB1	385521114503601	385521	1145036	640	7,320	6.00	08/17/88	416.42	--	S
									12/08/88	417.94	--	S
									04/11/89	419.12	--	S
									04/28/89	421.24	--	S
									06/15/89	419.74	--	S
									08/30/89	420.36	--	S
									11/28/89	421.24	--	S
									03/28/90	421.39	--	S
									06/04/90	422.43	--	S
									08/29/90	422.54	--	S
									11/27/90	423.50	--	S
									02/27/91	425.4	--	T
									06/03/91	425.25	--	S
									10/23/91	--	O	--
									03/17/92	426.39	--	S
									09/16/92	427.53	--	S
									12/07/92	427.09	--	S
									04/08/93	428.33	--	S
									07/02/93	426.03	--	S
									09/22/93	426.70	--	S
231	180	N07 E63 14AB1	382822114515301	382810	1145215	273	6,008	2.00	12/22/93	427.39	--	S
									03/24/94	428.37	--	S
									06/16/94	428.00	--	S
									07/19/94	428.26	--	S
									09/08/94	428.96	--	S
									05/17/95	427.8	--	T
									10/16/95	422.6	--	T
									05/21/96	423.8	--	T
									10/25/80	231	--	R
									03/15/94	223.2	--	T
232	180	N07 E63 14AB2	382822114515302	382810	1145215	422	6,008	2.00	10/25/80	231	--	R
233	180	N07 E63 14BADD1	382807114521001	382807	1145210	460	6,008	10.75	10/25/80	229	--	R
									04/17/83	226.67	--	S
									07/28/83	226.87	--	S
									09/09/83	226.80	--	S
									11/08/83	226.71	--	S
									03/21/90	222.9	--	T
									09/20/90	222.8	--	T
									11/06/90	222.8	--	T
									03/22/91	227.11	--	S
									06/17/91	222.50	--	S
									09/18/91	222.49	--	S
									12/02/91	222.4	--	T
									03/27/92	222.26	--	S
06/19/92	222.4	--	T									
09/11/92	222.42	--	S									
06/09/93	222.22	--	S									



**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
233	180 N07 E63 14BADD1	382807114521001	382807	1145210	460	6,008	10.75	09/09/93	222.05	--	S	
								09/13/93	222.08	--	S	
								12/09/93	222.03	--	S	
								03/30/94	221.98	--	S	
								06/22/94	221.84	--	S	
								09/22/94	221.82	--	S	
234	181 N03 E63 27CAA1	380531114534201	380531	1145342	2,395	5,560	10.00	11/21/80	853	--	R	
								04/17/83	857.6	--	T	
								09/09/83	868	--	R	
								11/08/83	868.39	--	S	
								04/13/84	869	--	R	
								05/24/84	869	--	R	
								06/13/84	869	--	R	
								08/02/84	869	--	R	
								09/20/84	869	--	R	
								10/24/84	850	--	R	
								12/06/84	850.6	--	T	
								01/30/86	851	--	R	
								04/29/86	846.2	--	T	
								07/14/86	851	--	R	
								08/21/86	851.4	--	T	
								09/19/86	851.1	--	T	
								12/10/86	851.5	--	T	
								02/02/87	851.1	--	T	
								02/09/87	851.1	--	T	
								03/25/87	851.4	--	T	
								04/16/87	851.3	--	T	
								06/04/87	851.2	--	T	
								07/16/87	851.0	--	T	
								09/10/87	851.0	--	T	
								10/15/87	851.1	--	T	
								12/10/87	851.4	--	T	
								03/07/88	851.2	--	T	
								04/07/88	850.9	--	T	
								05/11/88	851.2	--	T	
								05/26/88	851.0	--	T	
01/17/89	851.0	--	T									
02/28/89	850.5	--	T									
06/06/89	850.8	--	T									
07/27/89	850.7	--	T									
09/14/89	851.0	--	T									
03/10/90	851.2	--	T									
03/15/90	850.9	--	T									
05/21/90	850.8	--	T									
08/14/90	850.5	--	T									
11/06/90	850.0	--	T									
03/02/91	--	O	--									

**Table 2.** Ground-water data for large-diameter production and observation wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
234	181 N03 E63 27CAA1	380531114534201	380531	1145342	2,395	5,560	10.00	03/22/91	852.2	--	T	
								06/18/91	850.0	--	T	
								08/02/91	850.2	--	T	
								09/18/91	850.2	--	T	
								10/27/91	849.9	--	T	
								12/08/91	849.7	--	T	
								03/13/92	849.8	--	T	
								06/19/92	849.8	--	T	
								09/11/92	849.9	--	T	
								03/31/93	849.7	--	T	
								06/07/93	849.6	--	T	
								09/08/93	850.4	--	T	
								12/16/93	849.9	--	T	
								03/28/94	849.5	--	T	
								07/07/94	850.3	--	T	
								09/21/94	849.1	--	T	
								07/07/95	848.5	--	T	
10/16/95	848.2	--	T									
05/22/96	847.8	--	T									
235	181 N04 E64 07DC1	381256114500701	381301	1145005	1,190	5,530	10.00	07/28/81	268	--	R	
								09/05/81	268	--	R	
								04/17/83	256.82	--	S	
								03/10/90	254.8	--	T	
								09/21/93	254.98	--	S	
								11/20/93	254.9	--	T	
								01/20/94	254.9	--	T	
								03/30/94	254.9	--	T	
								07/21/94	255.02	--	S	
								02/04/95	254.79	--	S	
								05/18/95	254.8	--	T	
								10/16/95	254.8	--	T	
								05/22/96	54.6	--	T	
236	181 N04 E64 07DC2	381256114500702	381307	1145003	672	5,535	2.00	07/02/81	270	--	R	
								03/10/90	269.4	--	T	
								07/21/94	269.5	--	T	
237	181 N04 E64 07DC3	381256114500703	381307	1145003	1,134	5,535	2.00	09/05/81	264	--	R	
								03/10/90	253.3	--	T	
238	181 S03 E64 12AC1	374215114453101	374215	1144531	1,000	4,640	10.00	04/20/80	422	--	R	
								04/27/80	395	--	R	
								04/16/83	395.0	--	T	
								03/10/90	394.0	--	T	
								04/05/93	394.1	--	T	
								06/08/93	394.39	--	S	
								07/15/93	394.1	--	T	
								09/09/93	394.37	--	S	
								09/21/93	394.22	--	S	
11/20/93	394.35	--	S									

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level												
	Local well number	Standard identification	Latitude				Longitude	Date	Feet below land surface <sup>2</sup>	Site status	Method								
238	181 S03 E64 12AC1	374215114453101	374215	1144531	1,000	4,640	10.00	12/10/93	394.44	--	S								
								03/26/94	394.4	--	T								
								03/31/94	394.4	--	T								
								05/11/94	394.39	--	S								
								06/23/94	394.30	--	S								
								07/14/94	394.2	--	T								
								09/23/94	394.28	--	S								
								02/05/95	394.3	--	T								
								10/18/95	394.1	--	T								
								01/16/96	393.9	--	T								
								03/19/96	394.2	--	T								
								239	181 S03 E64 12AC2	374215114453102	374215	1144531	1,300	4,640	2.00	01/26/80	383	--	R
																04/27/80	383	--	R
04/16/83	382.92	--	S																
03/10/90	382.1	--	T																
240	181 S03 E64 12AC3	374215114453103	374215	1144531	798	4,640	2.00	01/26/80	383	--	R								
								04/27/80	383	--	R								
								04/16/83	382.73	--	S								
								03/10/90	382.0	--	T								
241	182 S06 E63 12AD1	372639114520901	372639	1145209	1,195	4,710	10.00	05/10/80	865	--	R								
								05/13/80	871	--	R								
								03/15/90	864.85	--	S								
								04/05/93	863.6	--	T								
								06/08/93	863.6	--	T								
								09/07/93	863.9	--	T								
								12/10/93	864.1	--	T								
								03/31/94	864.1	--	T								
								06/23/94	863.1	--	T								
09/23/94	862.8	--	T																
242	182 S06 E63 12ADBD2	372639114520902	372639	1145209	981	4,710	2.00	02/24/80	871	--	R								
								05/13/80	867	--	R								
243	182 S06 E63 12ADBD3	372639114520903	372639	1145209	640	4,710	2.00	02/24/80	--	D	--								
								05/13/80	--	D	--								
244	184 N09 E68 30AAAB1	383704114225001	383705	1142254	679	6,010	10.75	08/07/80	227	--	R								
								09/22/80	230	--	R								
								04/21/83	219.20	--	S								
								07/27/83	227.18	--	S								
								09/07/83	227.08	--	S								
								11/08/83	227.20	--	S								
								12/07/83	227.19	--	S								
								04/21/85	226.90	--	S								
								05/24/85	226.86	--	S								
								07/25/85	226.82	--	S								
								10/23/85	226.88	--	S								
								12/14/85	226.80	--	S								
								03/30/86	226.83	--	S								
								04/24/86	226.72	--	S								
03/08/90	225.70	--	S																

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
244	184 N09 E68 30AAAB1	383704114225001	383705	1142254	679	6,010	10.75	05/13/92	225.85	--	S	
								08/19/92	225.94	--	S	
								03/23/93	225.7	--	T	
								06/15/93	225.68	--	S	
								07/15/93	225.7	--	T	
								08/27/93	225.78	--	S	
								01/19/94	225.8	--	T	
								03/29/94	225.8	--	T	
								05/11/94	225.79	--	S	
								06/07/94	225.8	--	T	
								07/19/94	225.7	--	T	
								09/22/94	225.83	--	S	
								11/04/94	225.9	--	T	
								12/14/94	225.90	--	S	
								05/18/95	225.8	--	T	
								07/06/95	225.7	--	T	
								10/17/95	225.7	--	T	
01/17/96	226.0	--	T									
03/19/96	225.6	--	T									
245	184 N09 E68 30AB2	383707114231202	383707	1142312	700	6,025	2.00	09/22/80	219	--	R	
								09/22/94	217.3	--	T	
246	184 N09 E68 30AB3	383707114231203	383707	1142312	247	6,025	2.00	09/22/80	--	D	--	
247	196 N08 E69 35DC1	383023114115301	383023	1141153	475	5,790	10.00	09/14/80	158	--	R	
248	196 N08 E69 35DC2	383023114115302	383023	1141153	435	5,830	2.00	09/14/80	176	--	R	
								08/19/92	174.84	--	S	
								06/15/93	174.8	--	T	
								01/19/94	173.7	--	T	
								05/11/94	174.80	--	S	
								05/17/94	175.6	--	T	
								07/19/94	174.71	--	S	
								11/04/94	174.72	--	S	
								05/17/95	175.6	--	T	
								07/06/95	175.2	--	T	
								10/17/95	173.2	--	T	
								01/17/96	172.6	--	T	
								03/20/96	172.7	--	T	
249	210 S12 E63 29ADCC1	365232114554401	365231	1145643	714	2,464.2	2.00	11/22/80	549	--	R	
								07/14/81	548	--	R	
								09/29/81	548	--	R	
								06/06/85	547.77	--	S	
								01/28/86	543.0	--	T	
								01/29/86	543.0	--	T	
								02/05/86	542.8	--	T	
								02/06/86	542.7	--	T	
								09/13/86	548.8	--	T	
								05/17/88	548.5	--	T	

**Table 2.** Ground-water data for large-diameter production and observation wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
249	210 S12 E63 29ADCC1	365232114554401	365231	1145643	714	2,464.2	2.00	08/04/88	548.9	--	T	
								12/13/88	548.48	--	S	
								01/31/89	549.1	--	T	
								03/28/89	549.0	--	T	
								05/30/89	549.0	--	T	
								07/26/89	549.1	--	T	
								09/12/89	549.1	--	T	
								11/13/90	548.9	--	T	
								03/26/91	548.4	--	T	
								06/13/91	548.6	--	T	
								09/12/91	549.0	--	T	
								12/10/91	548.7	--	T	
								03/18/92	548.6	--	T	
								06/17/92	548.7	--	T	
								09/08/92	548.9	--	T	
								12/21/92	549.3	--	T	
								03/31/93	549.2	--	T	
06/07/93	549.0	--	T									
09/07/93	549.3	--	T									
12/15/93	549.0	--	T									
03/31/94	548.0	--	T									
07/07/94	548.6	--	T									
09/20/94	548.7	--	T									
250	210 S12 E63 29ADCC2	365231114564302	365231	1145643	570	2,464.2	2.00	11/22/80	547	--	R	
								06/06/85	--	O	--	
								01/29/86	542.2	--	T	
								02/06/86	542.1	--	T	
251	210 S12 E63 29DABC1	365227114554401	365227	1145644	1,221	2,466.9	10.00	07/11/81	612	--	R	
								09/29/81	609	--	R	
								02/05/85	603.1	--	T	
								11/25/85	602.0	--	T	
								01/28/86	604.6	--	T	
								01/29/86	604.1	--	T	
								02/04/86	604.3	--	T	
								02/05/86	604.3	--	T	
								09/13/87	609.7	--	T	
								05/17/88	609.6	--	T	
								08/04/88	609.8	--	T	
								12/13/88	609.02	--	S	
								01/31/89	609.5	--	T	
								03/28/89	609.8	--	T	
05/30/89	609.7	--	T									
07/26/89	609.6	--	T									
09/12/89	609.9	--	T									
11/13/90	609.7	--	T									
03/26/91	609.7	--	T									
06/13/91	610.0	--	T									

**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
251	210 S12 E63 29DABC1	365227114554401	365227	1145644	1,221	2,466.9	10.00	09/12/91	610.1	--	T	
								12/10/91	609.7	--	T	
								03/18/92	610.0	--	T	
								06/17/92	609.9	--	T	
								09/08/92	610.3	--	T	
								12/21/92	610.6	--	T	
								03/31/93	610.3	--	T	
								06/07/93	610.0	--	T	
								09/07/93	610.1	--	T	
								12/15/93	609.8	--	T	
								03/31/94	610.1	--	T	
								07/07/94	609.7	--	T	
								09/20/94	609.5	--	T	
								252	210 S13 E63 23DDDC1	364743114533101	364743	1145331
06/28/81	352	--	R									
03/14/85	351.77	--	S									
12/04/85	350.00	--	S									
07/09/86	351.80	--	S									
07/10/86	351.74	--	S									
07/14/86	351.66	--	S									
08/20/86	351.77	--	S									
09/18/86	351.69	--	S									
11/17/86	351.87	--	S									
02/10/87	351.77	--	S									
03/03/87	351.94	--	S									
03/13/87	351.66	--	S									
05/07/87	351.70	--	S									
06/03/87	351.75	--	S									
07/10/87	352.0	--	T									
08/27/87	352.09	--	S									
09/11/87	351.99	--	S									
09/13/87	351.95	--	S									
09/30/87	352.06	--	S									
10/29/87	351.95	--	S									
12/18/87	351.81	--	S									
01/29/88	351.79	--	S									
02/12/88	351.82	--	S									
04/07/88	351.8	--	T									
05/12/88	351.85	--	S									
05/18/88	351.72	--	S									
08/03/88	351.88	--	S									
12/08/88	352.04	--	S									
01/17/89	352.06	--	S									
01/30/89	351.99	--	S									
01/31/89	352.89	--	S									
03/28/89	351.98	--	S									
05/30/89	351.82	--	S									

**Table 2.** Ground-water data for large-diameter production and observation wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
252	210	S13 E63 23DDDC1	364743114533101	364743	1145331	669	2,172.6	10.00	07/03/89	351.93	--	S
									07/26/89	351.29	--	S
									08/14/89	351.90	--	S
									09/12/89	352.10	--	S
									03/29/90	353.25	--	S
									08/14/90	352.09	--	S
									09/27/90	350.9	--	T
									10/29/90	352.4	--	T
									12/03/90	352.5	--	T
									02/07/91	352.4	--	T
									03/26/91	352.3	--	T
									04/09/91	352.4	--	T
									05/30/91	352.1	--	T
									07/30/91	352.0	--	T
									09/05/91	352.7	--	T
									10/08/91	352.8	--	T
									11/08/91	352.8	--	T
									11/14/91	352.2	--	T
									01/10/92	352.5	--	T
									02/12/92	352.3	--	T
									02/21/92	352.4	--	T
									03/18/92	352.3	--	T
									04/21/92	352.0	--	T
									04/29/92	352.1	--	T
									05/12/92	352.1	--	T
									06/15/92	351.94	--	S
									06/18/92	352.3	--	T
									07/29/92	352.2	--	T
									09/14/92	352.2	--	T
									10/07/92	352.5	--	T
									12/09/92	352.5	--	T
									03/30/93	351.7	--	T
									06/08/93	351.4	--	T
08/04/93	351.6	--	T									
09/09/93	351.6	--	T									
10/14/93	351.7	--	T									
10/19/93	351.9	--	T									
11/10/93	351.8	--	T									
11/18/93	351.8	--	T									
12/17/93	351.8	--	T									
02/14/94	351.9	--	T									
03/31/94	351.8	--	T									
06/16/94	351.8	--	T									
08/09/94	352.0	--	T									
253	210	S13 E63 26AAAA1	364741114532801	364741	1145328	628	2,170	20.00	05/06/81	352	--	R
									07/04/81	349	--	R
									08/13/81	349	--	R
									03/14/85	347.84	--	S
									12/03/85	348.50	--	S

**Table 2.** Ground-water data for large-diameter production and observation wells —Continued

Map no. (pl. 1)	U.S. Geological Survey site designations			Latitude	Longitude	Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level			
	Local well number	Standard identification							Date	Feet below land surface <sup>2</sup>	Site status	Method
253	210 S13 E63 26AAAA1	364741114532801	364741	1145328	628	2,170	20.00	09/11/87	348.72	--	S	
								09/13/87	348.86	--	S	
								05/18/88	348.57	--	S	
								08/03/88	348.72	--	S	
								12/08/88	348.80	--	S	
								01/20/89	348.73	--	S	
								01/30/89	348.97	--	S	
								01/31/89	348.88	--	S	
								03/28/89	348.98	--	S	
								05/30/89	348.83	--	S	
								07/26/89	350.48	--	S	
								08/14/89	349.01	--	S	
								09/12/89	349.10	--	S	
								11/13/90	349.02	--	S	
								03/26/91	349.00	--	S	
								06/13/91	348.80	--	S	
								09/12/91	349.03	--	S	
								12/10/91	349.14	--	S	
								03/18/92	350.12	--	S	
								06/15/92	348.73	--	S	
254	219 S13 E64 35ACAA1	364604114471301	364604	1144713	937	2,274.6	20.00	09/14/92	349.10	--	S	
								12/09/92	349.04	--	S	
								03/30/93	348.49	--	S	
								06/08/93	348.15	--	S	
								09/09/93	348.46	--	S	
								12/17/93	348.6	--	T	
								03/31/94	348.6	--	T	
								06/16/94	348.6	--	T	
								09/08/94	348.9	--	T	
								06/03/81	458	--	R	
								06/06/81	457	--	R	
								07/11/81	457	--	R	
								08/11/81	458	--	R	
								03/14/85	457.4	--	T	
								06/18/85	457.3	--	T	
								09/11/87	459.2	--	T	
								09/13/87	459.5	--	T	
								05/17/88	--	P	--	
								08/03/88	457.63	--	S	
								12/08/88	461.96	--	S	
01/20/89	457.77	--	S									
01/31/89	457.95	--	S									
03/28/89	457.70	--	S									
05/30/89	457.66	--	S									
07/26/89	--	P	--									
09/12/89	--	P	--									
03/18/92	458.1	--	T									
06/15/92	457.8	--	T									
09/14/92	458.2	--	T									



**Table 2.** Ground-water data for large-diameter production and observation wells—Continued

Map no. (pl. 1)	U.S. Geological Survey site designations				Well depth (feet)	Land-surface altitude (feet above sea level) <sup>1</sup>	Casing diameter (inches)	Water level				
	Local well number	Standard identification	Latitude	Longitude				Date	Feet below land surface <sup>2</sup>	Site status	Method	
254	219	S13 E64 35ACAA1	364604114471301	364604	1144713	937	2,274.6	20.00	12/09/92	458.3	--	T
									03/30/93	457.5	--	T
									06/08/93	--	P	--
									09/09/93	--	P	--
									12/17/93	457.9	--	T
									03/31/94	--	P	--
									06/15/94	--	P	--
									09/08/94	--	P	--
									10/18/95	457.8	--	T
									01/16/96	457.7	--	T
									03/19/96	--	P	--

<sup>1</sup> Land-surface altitudes recorded to the nearest tenth of a foot have been surveyed from a known reference altitude. All other altitudes are estimated from topographic maps.

<sup>2</sup> Water levels listed herein are from data base. Reported measurements are entered into the data base to the nearest foot; electric-tape measurements are entered to the nearest tenth of a foot; and steel-tape measurements are entered to the nearest hundredth of a foot.

**Table 3.** Monitoring wells with digital recording devices

Map No. (pl. 1)	U.S. Geological Survey site designations		Well depth (feet)	Depth to water <sup>1</sup> (feet below land surface)	Recorder	Date installed
	Local well number	Standard identification				
212	156 N03 E50 13CA1	380652116200901	680	314.23	TELOG <sup>2</sup>	09/20/93
217	156 N07 E51 10AD1	382901116125201	480	236.30	TELOG	05/14/92
219	171 N03 E59 10BD1	380758115204601	1,837	800.00	TUBER <sup>3</sup>	11/20/93
223	172 N02 E57 22BBC1	380132115333501	1,010	412.75	TELOG	09/21/93
225	173B N03 E52 02DA2	380906116050502	495	231.10	TELOG	07/14/93
229	173B N10 E58 17CAAB1	384338115283601	581	275.10	TELOG	05/12/92
230	179 N12 E63 12AB1	385521114503601	2,447	428.26	TELOG	07/19/94
233	180 N07 E63 14BADD1	382807114521001	460	226.80	F&P DIGITAL <sup>4</sup>	10/01/83
234	181 N03 E63 27CAA1	380531114534201	2,395	848.50	TUBER	07/07/95
235	181 N04 E64 07DC1	381256114500701	1,190	254.98	TELOG	09/21/93
238	181 S03 E64 12AC1	374215114453101	1,000	394.22	TELOG	09/21/93
244	184 N09 E68 30AAAB1	383704114225001	679	225.85	TELOG	05/13/92
178	195 N11 E70 35AD1	384702114041601	101	68.79	TELOG	06/16/93
248	196 N08 E69 35DC2	383023114115302	435	173.70	TUBER	01/19/94
252	210 S13 E63 23DDDC1	364743114533101	669	350.90	TELOG	09/27/90
254	219 S13 E64 35ACAA1	364604114471301	934	457.80	TELOG <sup>5</sup>	07/14/94

<sup>1</sup> Depth to water when recorder was installed.

<sup>2</sup> TELOG is manufactured by Telog Instrument Co., Henrietta, N.Y.

<sup>3</sup> TUBER is manufactured by Geoguard Inc., Medina, N.Y.

<sup>4</sup> F&P DIGITAL is manufactured by Fischer and Porter, Co., Warminster, Penn.

<sup>5</sup> No measurement was made when recorder was installed. Well was being pumped. Depth to water is for October 18, 1995.