WATER-RESOURCES DATA FOR THE FORT BERTHOLD INDIAN RESERVATION, WEST-CENTRAL NORTH DAKOTA

By James D. Wald and Steven W. Cates

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CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATED WATER-QUALITY UNITS

Multiply	By	To obtain
acre	4,047	hectare
cubic foot (ft^3)	0.02832	cubic meter
degree Celsius (°C)	[1]	degree Fahrenheit
foot (ft)	0.3048	meter
inch (in.)	25.4	millimeter
liter (L)	0.2642	gallon
meter (m)	3.281	foot
micrometer (µm)	0.00003937	inch
milliliter (mL)	0.03381	ounce
square mile (mi^2)	259.0	hectare

[1]Temp °F = 1.8 temp °C+32.

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

Micrograms per liter (µg/L) is a unit expressing the concentration of a chemical constituent in solution as weight (micrograms) of solute per unit volume (liter) of water.

Microsiemens per centimeter at 25°C (µS/cm) replaces micromhos per centimeter at 25°C used for specific conductance in older reports. The two units are equivalent.

Milligrams per liter (mg/L) is a unit expressing the concentration of a chemical constituent in solution as weight (milligrams) of solute per unit volume (liter) of water; 1 mg/L equals 1,000 µg/L.

The numerical value of the acceleration of gravity at the Earth's surface is 980 cm/s^2 (centimeters per square second). The gal (1 cm/s^2) is the unit of acceleration of gravity and the milligal (mgal) is 1/1,000 of a gal.

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ABSTRACT

A study of the water resources of the Fort Berthold Indian Reservation was undertaken to characterize the quality and quantity of ground-water and surface-water resources. The purpose of this report is to document the data-collection procedures used during the study and to present the data collected in tabular and graphical form.

Ground-water data were collected during May 1990 through November 1992. The data presented in this report include records of 1,325 wells, test holes, and springs; water-levels for 40 observation wells; drillers' logs for 211 wells and test holes; gamma-ray and resistivity logs for 21 test holes drilled in June 1992; water-quality data for 293 water samples from wells and springs; and trace-element data for 225 water samples from wells.

Surface-water data were collected on Bear Den Creek, East Fork Shell Creek, Deepwater Creek, Moccasin Creek, and Squaw Creek from April 1990 through September 1992. Initially, five miscellaneous measurement sites were established so that discharge data, selected physical properties of water, and water samples for water-quality analysis could be collected.

Gravity data were collected over parts of the Fort Berthold Indian Reservation. As part of the gravity survey, positional data were acquired using global positioning satellite technology.

INTRODUCTION

In 1990, the U.S. Geological Survey, in cooperation with the Three Affiliated Tribes, began a study of the water resources of the Fort Berthold Indian Reservation (fig. 1). The purpose of this study is to use existing data and additional data obtained during the study to characterize the quantity and quality of the ground- and surface-water resources of the Fort Berthold Indian Reservation. This study provides the basis for a water-management plan for the Reservation. The purpose of this report is to document the data collection procedures used during the study, the geologic and hydrologic data collected during the study, and selected data from previous investigations (Dingman and Gordon, 1954; Pettyjohn, 1968; Armstrong, 1969; Croft, 1970, 1985; Klausing, 1971, 1976).

Location-Numbering System

The township-range location number (fig. 2) used to identify wells, test holes, and springs in this report is based on the Federal system of rectangular surveys of the public lands. The first number denotes the township north of a base line, the second number denotes the range west of the fifth principal meridian,

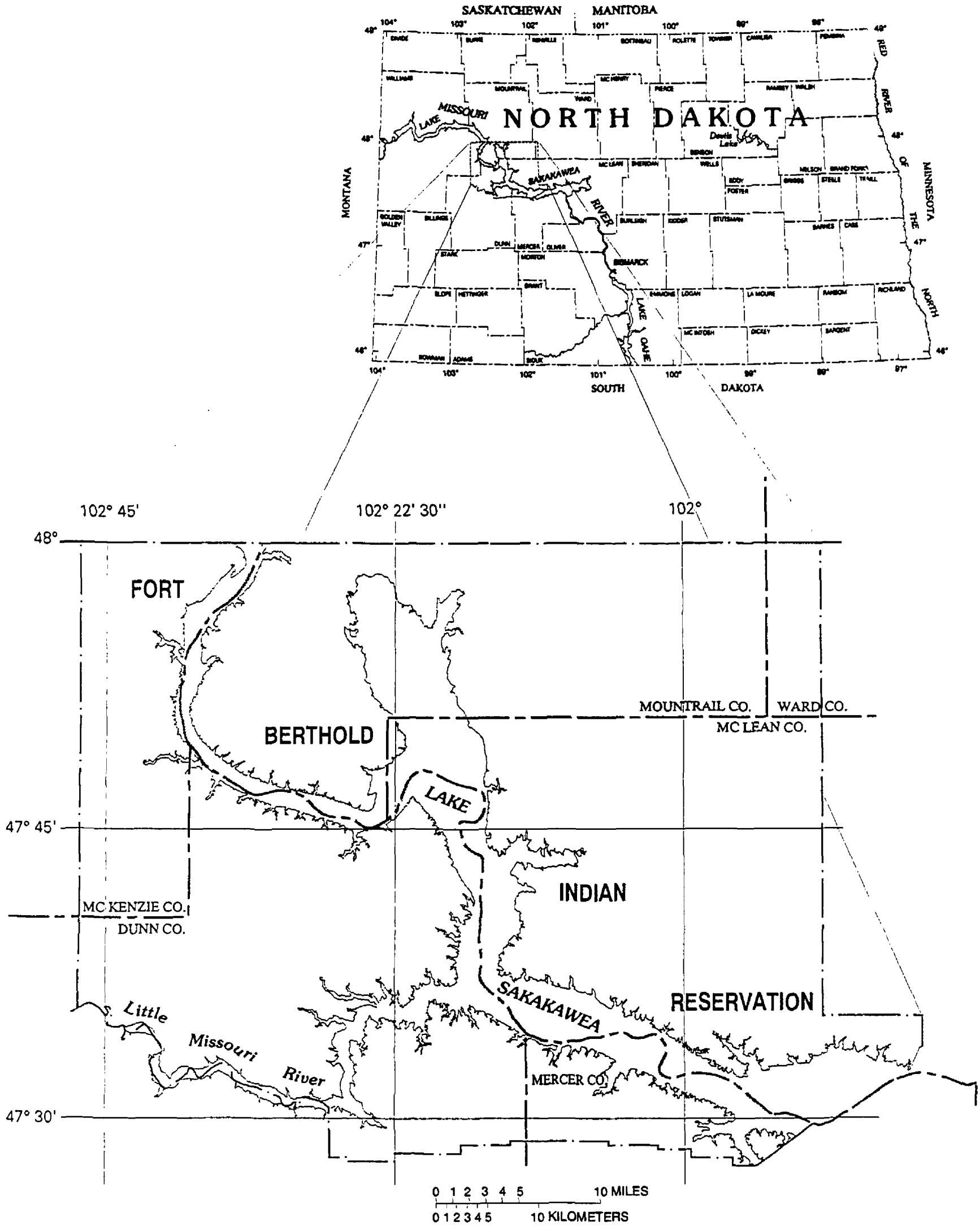

Figure 1. Location of the Fort Berthold Indian Reservation in west-central North Dakota.

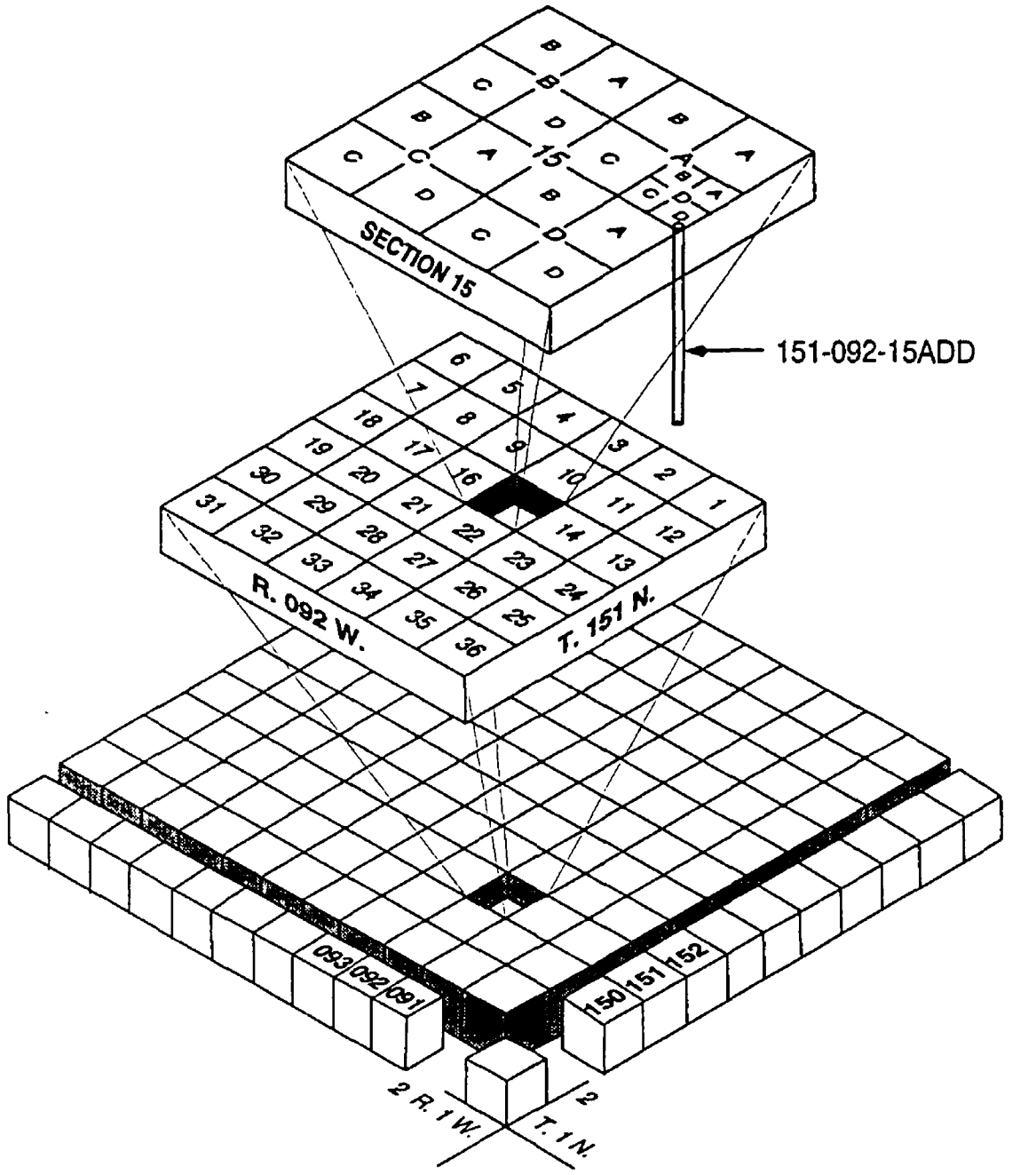

Figure 2. System of numbering wells, test holes, and springs using township, range, and section and latitude and longitude.

and the third number denotes the section in which the well, test hole, or spring is located. The letters A, B, C, and D designate, respectively, the northeast, northwest, southwest, and southeast quarter section, quarter-quarter section, and quarter-quarter-quarter section (10-acre tract); thus, well 151-092-15ADD would be located in $SE^1/_4SE^1/_4NE^1/_4$ sec. 15, T. 151 N., R. 92 W. Sequence numbers are added to indicate the order of inventory if more than one well, test hole, or spring is located within a 10-acre tract. The township-range location number is referred to as the local number in this report.

The site-identification number used to identify wells, test holes, or springs is a unique 15-digit number based on the latitude-longitude location-numbering system. Although the site-identification number is formed from the latitude and longitude of a point believed to represent the location of the site, the number is an identifier and not a locator. The local numbers and the corresponding site-identification numbers are listed in supplement 1.

The numbering system used by the U.S. Geological Survey to identify surface-water stations is an eight-digit downstream order number. The number is assigned in a downstream direction along the mainstem. All stations on a tributary entering upstream from a mainstream station are assigned a number before that station. A station on a tributary that enters between two mainstream stations is assigned a number between them.

Acknowledgments

The collection of data for this report was made possible by the cooperation of residents and officials of the Fort Berthold Indian Reservation, who provided important information regarding wells, springs, and streams. Permission from the residents of the Reservation to measure water levels, collect water samples, and have private property access was invaluable to the success of this study.

DATA COLLECTION

Ground Water

Initial ground-water reconnaissance was done in May 1990 with the inventory of 214 existing wells drilled between 1979 and 1990. These wells were located using well drillers' reports from State of North Dakota Board of Water Well Contractors. The data collected for the 214 inventoried wells and data available for an additional 1,111 wells, test holes, and springs are presented in table 1. The data include the local number, depth of well, top of open interval, water level, specific conductance, pH, temperature, and altitude of the land surface at the site. Well depth is the depth of casing for open-bottom wells or the base of the deepest well screen for screened wells. Locations of the wells, test holes, and springs listed in table 1 are shown on plate 1 (in pocket).

A network of 40 water-level observation wells (fig. 3) was established for documentation of short- and long-term water-level changes. Many of the observation wells in the network were constructed and measured during previous ground-water studies. Additional observation wells were established from those inventoried during May 1990 and from wells drilled in June 1992. Water levels for the observation wells are given in table 2.

Gravity and subsurface geology data and data from 211 drillers' logs were used to select locations for 27 test holes drilled in June 1992. These test holes ranged in depth from 40 to 390 ft and wells completed

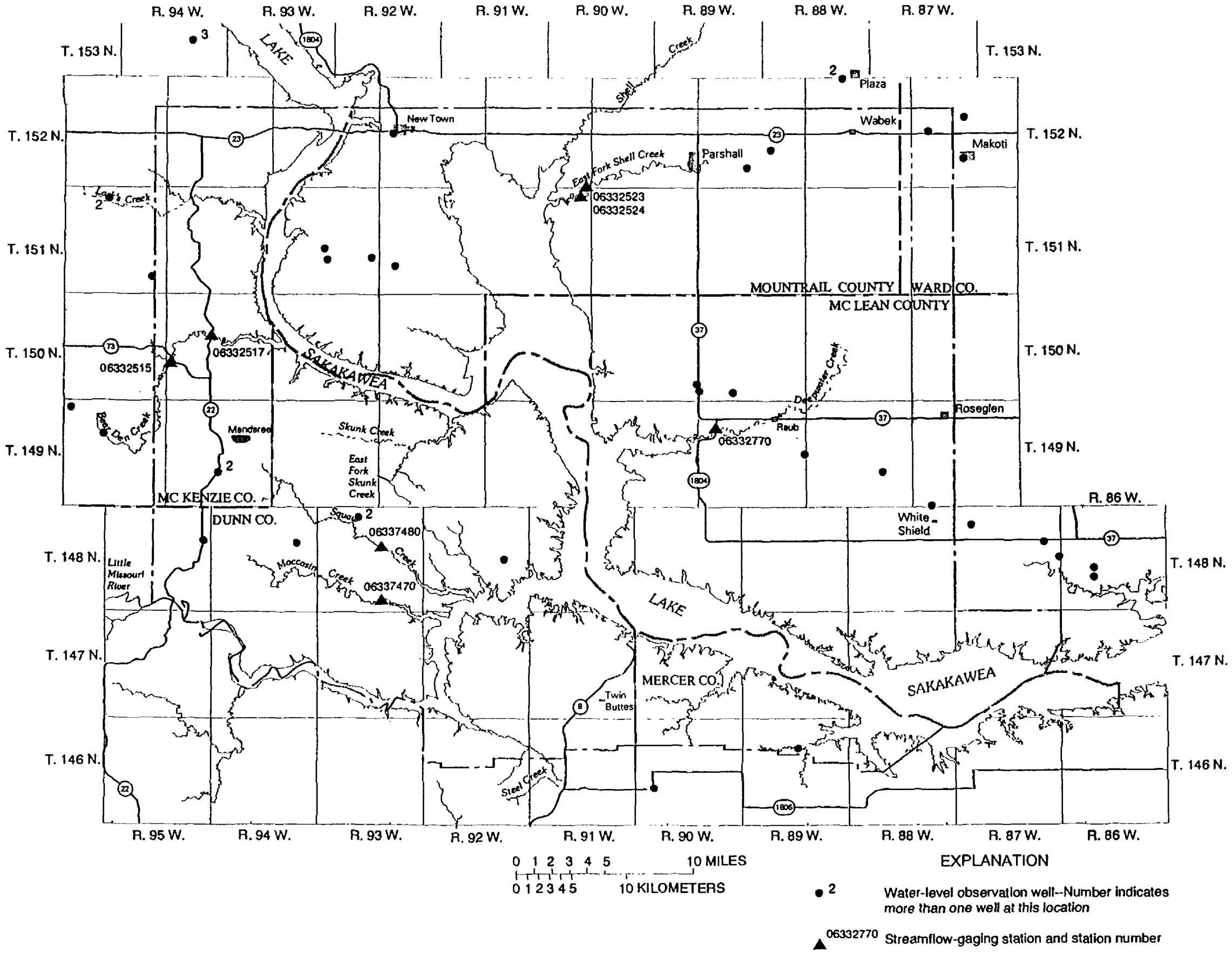

Figure 3. Locations of water-level observation wells and streamflow-gaging stations.

in selected test holes ranged in depth from 51 to 300 ft. Resistivity, gamma-ray, and lithology logs were made for each test hole. Logs obtained from drillers and other sources and resistivity and gamma-ray logs of 21 test holes drilled as part of this study are presented in tables 3 and 4.

Eleven of the test holes drilled in June 1992 were developed as wells by installing 2-in.-diameter polyvinyl-chloride casing and either 5 or 10 ft of 10- or 12-slot (0.010- or 0.012-in. slot size) polyvinyl-chloride screen. Casing joints were glued with solvent glue. A tremmie pipe was used to fill the annular space around the screen with graded silica sand to ensure placement of the sand opposite the screen. A slurry of bentonite grout was then pumped through the trimmie pipe to seal the screened zone from the upper hole. The remainder of the hole was filled with drill cuttings. Airlift methods were used to develop the wells. The wells were pumped a sufficient length of time to allow for the removal of any residual drilling fluid from the aquifer and for the specific conductance and pH of the water from the well to stabilize.

Water samples were collected from the observation wells and from selected private wells for water-quality analysis. A gas-squeeze pump was used to extract three well volumes of water from the observation wells before water samples were collected. Three well volumes of water were flushed through the plumbing systems of private wells before water samples were collected.

Field determinations of specific conductance, pH, and water temperature were made when the water samples were collected. A 250-mL sample was collected in a field-rinsed polyethylene bottle for laboratory analysis of specific conductance, pH, and alkalinity. A 250-mL sample was filtered through a 0.45-µm pore size Millipore filter into an acid-rinsed polyethylene bottle and acidified to a pH of less than 2 with 2-mL of nitric acid for analysis of major cations (calcium, magnesium, sodium, and potassium). A 250-mL sample was filtered into a sample-rinsed polyethylene bottle for analysis of major anions (sulfate, chloride, fluoride, and silica). A 250-mL sample was filtered into a sample-rinsed brown polyethylene bottle and preserved with mercuric chloride for analysis of nutrients (nitrogen and phosphorus species). A 500-mL sample was filtered into an acid-rinsed polyethylene bottle and preserved with nitric acid for analysis of trace elements.

All samples were shipped in coolers filled with ice to the U.S. Geological Survey National Water Quality Laboratory in Arvada, Colo., for analysis. Samples were received at the laboratory within 4 days of collection. Analyses of nutrient samples were completed within 10 days of collection. The remaining analyses were completed within 100 days of collection. Constituents were analyzed using methods described by Fishman and Friedman (1989).

Physical properties and major-ion concentrations for 260 water samples from wells are listed in table 5, and trace-element concentrations for 225 water samples from wells are listed in table 6 Analyses dated from 1990 through 1992 were done as part of this study. Physical properties and major-ion concentrations for 33 water samples collected from 32 springs are listed in table 7. Nine analyses dated 1992 were done as part of this study.

Surface Water

Surface-water data were collected for five selected streams on the Fort Berthold Indian Reservation. Miscellaneous discharge measurement sites were established on Bear Den Creek above mouth near Mandaree, N. Dak. (06332517), East Fork Shell Creek near mouth below Parshall, N. Dak. (06332524), Deepwater Creek at mouth near Raub, N. Dak. (06332770), Moccasin Creek at mouth near Mandaree, N. Dak. (06337470), and Squaw Creek above mouth near Mandaree, N. Dak. (06337480) in April 1990 (fig. 3). In September 1990, Bear Den Creek above mouth near Mandaree, N. Dak. (06332517) was

discontinued, and data for Bear Den Creek was collected at an existing continuous-recording gaging station, Bear Den Creek near Mandaree, N. Dak. (06332515). In June 1991, East Fork Shell Creek near mouth below Parshall, N. Dak. (06332524) was moved a few miles upstream and was converted to a continuous-recording gaging station, East Fork Shell Creek near Parshall, N. Dak. (06332523). Also in June 1991, Deepwater Creek at mouth near Raub, N. Dak. (06332770) was converted from a miscellaneous discharge measurement site to a continuous-recording gaging station.

Discharge measurements were made following the procedures described by Rantz and others (1982). These procedures include the use of a pygmy meter or AA current meter and top-setting rod, a modified 3-in. flume, and a 1-ft^3 bucket. Mean daily discharges for the continuous-recording gaging stations were computed by using stage-discharge ratings and corresponding water-level stages (Rantz and others, 1982).

Selected physical properties of water, such as specific conductance, pH, and dissolved-oxygen, and air and water temperature measurements were made at the time of each discharge measurement and water samples were collected periodically for water-quality analysis. Procedures that were followed for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water Resources Investigations (Barnett and Mallory, 1971; Wershaw and others, eds., 1987; Fishman and Friedman, 1989).

All surface-water data collected during this study are published in the U.S. Geological Survey Water Resources data reports (Harkness and others, 1991-93).

Gravity

A gravity survey was conducted over about 800 mi^2 of the Fort Berthold Indian Reservation north of Lake Sakakawea (fig. 4) to locate low density zones (indicative of high porosity material) within or adjacent to buried-valley aquifers. Global Positioning System (GPS) technology was used to position nearly 1,800 gravity stations.

Gravity stations consisted of a numbered wooden stake driven into the ground to serve as a temporary monument. The GPS receiver antenna was placed on the monument and leveled, and 90 seconds of GPS data was recorded using 16-channel dual-frequency receivers operated in the "STOP AND GO" kinematic mode. After several gravity readings were taken, the crew moved to the next station and the process was repeated. Vertical and horizontal error was consistently less than 4 in., based on comparison of GPS reoccupation of 10 percent of the gravity stations. The latitude, longitude, and altitude values that were determined using GPS and the related Bouguer and residual gravity values are presented in table 8.

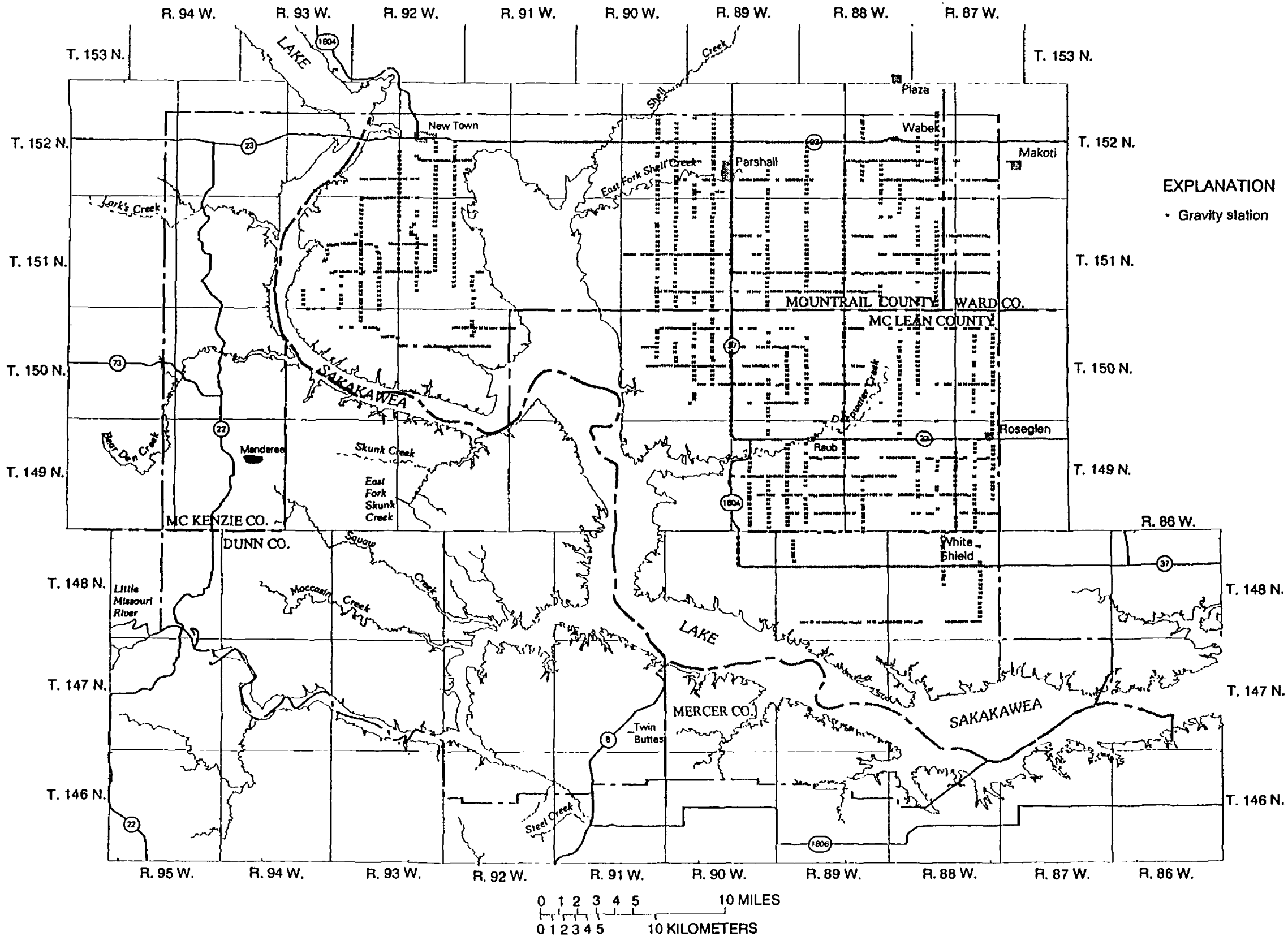

Figure 4. Locations of gravity stations.

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Wershaw, R.L., Fishman, M.J., Grabbe, R.R., and Lowe, L.E., eds., 1987, Methods for the determination of organic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chap. A3, 80 p.

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Table 1. Records of wells, test holes, and springs

Owner

NDGS, North Dakota Geological Survey
NDSPS, North Dakota State Park Service
NDSWC, North Dakota State Water Commission
USAF, U.S. Air Force
USBIA, U.S. Bureau of Indian Affairs
USBM, U.S. Bureau of Mines
USGS, U.S. Geological Survey

Water level

Water levels are in feet below or (+) above land surface.

Aquifer code

Holocene	
111ALVM	Alluvium
Pleistocene	
112BDVL	Buried valley deposits
112BGFV	Buried glaciofluvial deposits
112HDLK	Hidden Lake aquifer
112NWTN	New Town aquifer
112OTSH	Outwash deposits
112SANISH	Sanish aquifer
112SLCK	Shell Creek aquifer system
112TILL	Till deposits
112VANG	Vang aquifer
112WSLD	White Shield aquifer
Paleocene	
125CBLD	Cannonball-Ludlow Members of Fort Union Formation
125FRUN	Fort Union Formation
125SNLB	Sentinel Butte Member of Fort Union Formation
125TGRV	Tongue River Member of Fort Union Formation
Cretaceous	
211FXHL	Fox Hills Sandstone
211HCFH	Hell Creek Formation-Fox Hills Sandstone

Water-quality properties

Values shown are the field specific conductance, pH, and temperature measured at the time of inventory.

Altitude of land surface

Altitude is in feet above sea level.

Abbreviations and symbols

µS/cm, microsiemens per centimeter at 25 degrees Celsius
--, no data

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
146-086-32AA	Miller 1	5,335	--	--	--	11-05-69	--	--	--	--	--	--	--	2,174
146-088-09CCD	T. Pfenning	--	200	--	6	1962	185	1962	125SNLB	3,750	--	--	1962	--
146-088-10CBA	Three Affiliated Tribes	310	298	--	--	1951	152	1951	125TGRV	--	--	--	--	--
146-088-20CCD	E. Weigum	--	48	--	24	1965	33	--	125SNLB	--	--	--	--	--
146-088-29BCA	E. Weigum	--	60	--	4	1961	--	--	125SNLB	3,850	--	7.5	08-00-66	--
146-088-30DAC	E. Reinhardt	--	80	--	4	--	--	--	125SNLB	--	--	--	--	--
146-088-30DDD	--	426	--	--	--	--	--	--	125TGRV	2,500	9.0	9.0	09-19-78	--
146-089-06BDB	J. Eagle	122	122	--	4	--	94	--	--	820	--	7.5	08-00-66	--
146-089-08AAB	Three Affiliated Tribes	400	--	--	--	1951	--	--	--	--	--	--	--	--
146-089-09CCB	George Gillette	290	24	--	--	1951	6.28	09-10-51	--	--	--	--	--	--
146-089-09DAC	L. Whitman	--	18	--	6	1955	10	--	111ALVM	--	--	--	--	--
146-089-10CBD	USGS	250	241	236	2	06-25-92	57.48	08-03-92	125TGRV	3,460	8.1	10.5	08-03-92	1,880
146-089-15CDC	F. Scheurer	--	120	--	4	1958	20	--	125SNLB	2,010	--	7.0	08-00-66	--
146-089-15DCB	F. Scheurer	--	30	--	4	1966	24	--	--	1,800	--	7.0	08-00-66	--
146-089-17BDC	H. Link	--	80	--	4	--	54	--	--	--	--	--	--	--
146-089-20BBB	L. Link	--	92	--	4	--	76	--	125SNLB	920	--	7.5	08-00-66	--
146-089-22DCB1	L. Pfenning	--	18	--	20	1946	14	--	125SNLB	--	--	--	--	--
146-089-22DCB2	L. Pfenning	--	18	--	20	1950	15	--	125SNLB	--	--	--	--	--
146-089-24CBC	E. Sailer	--	90	--	4	1944	72	--	--	--	--	--	--	--
146-089-25AAA	E. Wolf	--	365	--	2	--	--	--	125TGRV	2,580	--	9.5	08-00-66	--
146-089-28CDB	S. Stern	--	112	--	4	--	87	--	--	1,310	--	7.5	08-00-66	--
146-089-30AAA	T. Schulz	--	100	--	6	--	70	--	--	640	--	7.5	08-00-66	--
146-089-34BBA1	A. Weigum	--	67	--	5	1940	49	--	--	1,090	--	7.5	08-00-66	--
146-089-34BBA2	A. Weigum	--	61	--	--	1947	--	--	--	1,200	--	7.5	08-00-66	--
146-089-35BBA1	E. Morast	--	30	--	6	1949	--	--	--	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Dste water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
146-089-35BBA2	E. Morast	--	50	--	6	--	--	--	--	740	--	7.0	08-00-66	--
146-089-36BDA	E. Morast	--	130	--	6	--	100	1966	--	--	--	--	--	--
146-090-05DAA	Maria Chase	255	229	216	4	1951	139	09-18-51	--	--	--	--	--	--
146-090-07CAB	J. Saeman	74	74	74	5	--	--	--	125SNLB	1,500	--	8.5	09-00-67	--
146-090-08BBC	T. Rabern	--	22	--	20	--	19	08-00-66	--	850	--	--	08-00-66	--
146-090-08CAA	R. Bauer	64	64	--	4	1963	--	--	--	1,080	--	9.0	09-00-67	--
146-090-09CDD	D. Wegner	--	145	--	4	1962	--	--	--	--	--	--	--	--
146-090-13DCA	R. Link	--	146	125	4	1963	--	--	125SNLB	1,020	--	7.0	08-00-66	--
146-090-13DCC1	R. Link	146	146	125	6	--	100	1966	125SNLB	--	--	7.5	08-00-66	--
146-090-13DCC2	R. Link	--	136	--	6	1952	132	--	125SNLB	--	--	--	--	--
146-090-15BCC	D. Wegner	--	125	--	6	--	--	--	--	--	--	8.0	08-00-66	2,182
146-090-15DAA1	D. Mueller	--	12	--	30	1939	9	--	--	--		--	--	--
146-090-15DAA2	D. Mueller	--	30	--	5	1962	20	--	--	2,800	--	7.0	08-00-66	--
146-090-18CDD1	J. Saeman	--	52	--	18	1934	38	09-00-67	125SNLB	690	--	--	09-00-67	--
146-090-18CDD2	J. Saeman	76	--	--	5	1963	--	--	--	--	--	8.0	09-00-67	--
146-090-19CBA	J. Saeman	62	--	--	5	1964	--	--	--	820	--	8.0	09-00-67	--
146-090-20BDB1	E. Weidner	--	34	--	24	1948	30	--	--	--	--	--	--	--
146-090-20BDB2	E. Weidner	46	46	--	6	1961	--	--	--	--	--	7.0	08-00-66	--
146-090-20CCC	NDSWC 3575	1,860	1,574	1,540	4	06-18-68	73.18	07-15-68	211FXHL	2,240	8.4	--	06-28-63	2,120
146-090-21ACC	J. Lindeman	162	162	--	4	1961	142	--	--	--	--	--	--	--
146-090-21BD	J. Lindeman 1	5,250	--	--	--	09-29-68	--	--	--	--	--	--	--	2,223
146-090-22ACD1	M. Bauer	--	11	--	72	--	8	--	--	2,490	--	9.5	08-00-66	--
146-090-22ACD2	M. Bauer	--	212	--	2	--	--	--	125SNLB	2,700	--	7.5	08-00-66	--
146-090-25	Continental Oil	10,300	--	--	--	--	--	--	--	--	--	--	--	--
146-090-25DAD1	G. Schuh	--	20	--	24	1946	15	--	--	1,030	--	6.5	08-00-66	--
146-090-25DAD2	G. Schuh	--	68	--	6	1956	54	--	--	2,100	--	7.0	08-00-66	--
146-090-25DCCA	Gust Schuh 1	10,356	--	--	--	02-26-74	--	--	--	--	--	--	--	2,297
146-090-30BAA	J. Huber	--	40	--	24	1960	20	--	--	600	--	7.0	08-00-66	--
146-090-30DDD1	J. Huber	--	26	--	24	--	10	--	--	1,490	--	7.5	08-00-66	--
146-090-30DDD2	J. Huber	--	38	--	24	1955	21	--	--	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
146-091-01DDC	Three Affiliated Tribes	123	120	--	--	1951	--	--	125SNLB	--	--	--	--	2,160
146-091-05ACB	Thomas Crowsheart	300	39	34	6	03-12-90	25.99	06-12-90	125SNLB	--	--	--	--	2,190
146-091-05CBB	R. Crowsheart	69	52	--	4	1969	50	1969	125SNLB	1,450	--	9.5	01-01-69	2,120
146-091-08CAA	P. Beko	190	170	--	6	--	88	09-00-51	125SNLB	2,860	7.8	7.5	09-29-71	2,020
146-091-09BCCC	USBM 25	200	--	--	--	08-23-79	--	--	--	--	--	--	--	2,190
146-091-11CB	Standolind Oil	6,060	--	--	--	1955	--	--	--	--	--	--	--	2,278
146-091-12BBD	Three Affiliated Tribes	200	--	--	--	04-19-84	--	--	--	--	--	--	--	2,180
146-091-12BDB	Three Affiliated Tribes	210	--	--	--	04-19-84	--	--	--	--	--	--	--	2,170
146-091-13BCA1	H. Wiedner	--	200	--	4	--	--	--	125SNLB	893	7.6	8.5	09-28-71	2,250
146-091-13BCA2	H. Wiedner	--	230	210	3	1972	193	--	125SNLB	--	--	--	--	--
146-091-14ADC	E. Goetz	--	80	--	6	--	--	--	--	1,720	--	9.0	09-00-71	2,220
146-091-14DDB	R. Gegelman	--	210	170	2	1951	--	--	125SNLB	650	--	9.0	09-00-71	--
146-091-17CDC	NDSWC 4708	180	141	138	1.25	06-00-74	33.41	08-23-74	112BGFV	953	8.1	8.0	07-23-74	1,930
146-091-20ABA	Siegfred Schaper	190	189	168	12	06-20-75	--	--	--	--	--	--	--	1,980
146-091-20ACA	Siegfred Schaper	--	50	--	4	1963	30	09-00-71	112BGFV	900	--	9.5	09-00-71	1,960
146-091-20DDD1	Larry Benjamin	--	43	--	4	1971	22	08-00-71	112BGFV	1,230	7.6	15.0	08-11-71	1,980
146-091-20DDD2	Larry Benjamin	120	118	108	4	07-13-74	50	07-13-74	--	1,120	7.1	12.5	05-31-90	1,980
146-091-21CDD1	NDSWC 8216	220	192	186	1.25	10-00-71	25.95	10-28-71	112BGFV	1,170	7.6	7.0	10-27-71	1,980
146-091-21CDD2	NDSWC 8216A	100	93	87	1.25	10-00-71	17.86	10-28-71	112BGFV	811	7.5	6.0	10-27-71	1,980
146-091-21DCD	L. Weisz	80	69	--	2	1950	12	06-00-50	125SNLB	4,260	8.0	12.0	09-28-71	1,990
146-091-21DDC	L. Weisz	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
146-091-22BBA	G. Gegelman	240	235	--	4	1959	100	--	125SNLB	2,200	8.9	10.0	07-12-72	--
146-091-22CBA	V. Weisz	--	45	--	4	1961	11	09-00-71	--	1,610	--	8.5	09-00-71	2,040
146-091-24BDB1	Donald Wiedner	--	130	--	4	--	--	--	--	1,550	--	8.5	09-00-71	2,200
146-091-24BDB2	Donald Weidner	140	140	119	4	04-04-77	110	04-04-77	--	--	--	--	--	2,200

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
146-091-25ACC	Victor Goetz	180	176	170	4	07-12-74	136	07-12-74	--	--	--	--	--	2,190
146-091-25DC	Sun Oil Co.	5,320	--	--	--	1968	--	--	--	--	--	--	--	2,172
146-091-26AAB1	P. Frel	--	14	--	36	1946	--	--	--	1,070	--	9.0	09-00-71	2,090
146-091-26AAB2	P. Frel	--	8	--	36	--	--	--	--	800	--	11.0	09-00-71	2,090
146-091-26AAB3	P. Frel	--	18	--	18	1948	--	--	--	990	--	12.0	09-00-71	2,100
146-091-28ABA	NDSWC 8217	140	94	88	1.25	1971	24.57	10-28-71	112BGFV	2,640	8.1	7.0	10-28-71	1,980
146-091-28BBB	NDSWC 8218	40	--	--	--	1971	--	--	125SNLB	--	--	--	--	1,980
146-091-30BCD	F. Stern	--	80	--	6	1958	--	--	--	1,580	--	9.0	09-00-71	2,120
146-091-31BAD	Herbert Martin	--	110	--	6	--	70	--	--	460	--	9.5	09-00-71	2,120
146-091-31BDA1	Herbert Martin	83	83	62	4	10-18-76	--	--	--	440	7.6	15.5	05-31-90	2,230
146-091-31BDA2	Herbert Martin	70	70	40	4	08-28-87	25	08-28-87	--	--	--	--	--	2,200
146-091-32CAA	A. Lynch	--	80	--	18	--	60	--	125SNLB	2,120	--	8.0	09-00-71	2,190
146-091-34CBA	W. Goetz	--	58	--	4	--	8	--	--	810	--	9.5	09-00-71	2,050
146-091-35BBC	NDSWC 4707	320	221	218	1.25	06-00-74	37.25	07-25-74	112BGFV	988	8.2	8.0	07-23-74	2,020
146-091-36BCB	P. Frel	--	126	--	4	--	--	--	--	1,150	--	8.0	09-00-71	--
146-092-02DCA	J. Burr	--	--	--	--	--	--	--	125SNLB	1,220	--	--	--	--
146-092-14BB	Three Affiliated Tribes	390	--	--	--	1950	--	--	--	--	--	--	--	2,090
146-092-14CDD	D. Kisse	75	65	--	2	1950	60	--	125SNLB	--	--	--	--	--
146-092-15BBB	Ervin Voigt	1,760	1,610	--	4	11-22-88	+127	11-22-88	211FXHL	2,100	8.6	21.0	06-01-90	1,930
146-092-15DDD	D. Kisse	43	--	--	--	1970	--	--	--	--	--	--	--	2,260
146-092-19DBC	T. Cook	153	150	--	4	1954	107	--	125SNLB	--	--	--	--	--
146-092-22ABB	M. Voigt	40	--	--	--	1970	--	--	--	--	--	--	--	2,270
146-092-27CBB	H. Transtrom	--	90	--	6	--	--	--	125SNLB	1,020	--	8.5	09-00-71	2,070
146-092-27DDD	NDSWC 4709	100	58	48	1.25	1974	37.50	07-25-74	125SNLB	407	8.1	10.0	07-24-74	2,235
146-092-28CCC	NDSWC 4710	40	--	--	--	1974	--	--	125SNLB	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Date water-quality properties measured	Altitude of land surface (feet)
146-092-29DDC1	J. Schettler	--	75	--	6	1914	--	--	125SNLB	1,100	7.7	8.0	09-30-71	2,260
146-092-29DDC2	J. Schettler	--	90	--	4	1942	--	--	--	540	--	10.0	09-00-71	2,260
146-092-30DAA	J. Schettler	70	64	44	4	1967	30	--	125SNLB	470	7.2	9.5	07-12-72	--
146-092-32CDD1	Clarence Christensen	80	78	59	3	1950	15	--	125SNLB	810	7.9	8.0	09-30-71	2,230
146-092-32CDD2	Clarence Christensen	63	63	--	24	11-18-77	30	11-18-77	--	750	8.1	11.0	06-01-90	2,230
146-092-34ABB	J. Reiss	--	90	--	4	1967	--	--	--	1,220	--	8.5	10-00-71	2,270
146-092-35DAD1	O. Koehler	--	80	--	4	1946	20	--	--	1,100	--	8.0	09-00-71	2,250
146-092-35DAD2	O. Koehler	--	110	89	4	1966	20	--	125SNLB	900	--	10.0	09-00-71	2,250
146-093-03CDD	Andrew Voigt	1,525	1,525	--	2	07-15-72	+46.2	07-15-72	211FXHL	2,160	8.4	21.0	07-13-72	2,060
146-093-14DDBD	FLB ASKEW 1-14A	13,603	--	--	--	05-17-81	--	--	--	--	--	--	--	2,399
146-093-15DDD	NDSWC 8231	65	--	--	--	1971	--	--	125SNLB	--	--	--	--	2,320
146-093-17CBB	R. Knutson	155	150	145	3	1949	95	--	125SNLB	745	7.0	9.5	07-12-72	--
146-093-19BDD	R. Krieger	--	140	120	4	--	--	--	125SNLB	934	6.9	--	07-13-72	--
146-093-20ADD	C. Christensen	--	27	--	6	1952	15	--	125SNLB	220	7.4	7.0	10-06-71	2,270
146-093-20CBC	R. Knutson	--	120	--	6	1912	100	--	125SNLB	670	7.8	8.5	10-06-71	2,350
146-093-20CCA	R. Knutson	--	140	120	4	1969	20	--	125SNLB	655	7.2	10.0	07-13-72	--
146-093-22ADD	G. Buehner	--	80	--	4	--	--	--	125SNLB	174	7.2	7.0	10-05-71	2,300
146-093-22CCC	E. Buehner	--	84	--	4	1954	--	--	--	1,430	--	8.0	10-00-71	2,280
146-093-24CCAB	Thomas Cook 24-1	13,500	--	--	--	07-27-80	--	--	--	--	--	--	--	2,296
146-093-24DCC1	T. Cook	--	115	--	5	1970	76	10-00-71	125SNLB	421	7.6	8.5	10-06-71	2,310
146-093-24DCC2	T. Cook	--	115	90	3	1948	80	--	125SNLB	1,350	--	7.0	10-00-71	2,310
146-093-25ABB	T. Cook	--	115	--	4	1961	--	--	--	--	--	--	--	2,300
146-093-26CBA	C. Pelton	--	55	40	4	1972	--	--	--	--	--	--	--	--
146-093-26CBB	C. Pelton	66	60	40	4	1960	--	--	125SNLB	887	7.1	7.5	10-05-71	2,260
146-093-27CCC	NDSWC 4746	120	76	68	1.25	07-25-74	31.80	07-25-74	125SNLB	1,030	8.1	9.0	07-24-74	2,214

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
146-093-27CDD	NDSWC 4747	100	20	16	1.25	07-25-74	19.20	07-25-74	125SNLB	--	--	--	--	2,210
146-093-27DAA	C. Pelton	146	132	117	4	1964	--	--	125SNLB	--	--	--	--	2,230
146-093-28AAA1	NDSWC 4777	140	118	112	1.25	1974	98.7	01-07-75	125SNLB	--	--	--	--	2,234
146-093-28AAA2	NDSWC 4777A	80	76	70	1.25	1974	50.39	12-10-74	125SNLB	909	8.0	8.0	11-22-74	2,234
146-093-28ADD	E. Buehner	100	86	--	5	1969	--	--	125SNLB	740	--	8.0	10-00-71	2,250
146-093-28CCA	C. Christensen	--	110	--	4	1960	90	--	125SNLB	600	--	9.0	07-00-72	--
146-093-28DDB1	W. Eckelberg	108	84	--	4	1954	--	--	125SNLB	733	8.0	9.0	10-06-71	2,230
146-093-28DDB2	W. Eckelberg	--	100	--	6	--	--	--	125SNLB	660	--	7.0	10-00-71	2,230
146-093-28DDB3	W. Eckelberg	--	100	--	6	--	--	--	125SNLB	650	--	7.0	10-00-71	2,230
146-094-04BBC	Raymond Hammel	--	1,600	1,590	2	1969	--	--	211FXHL	--	--	24.5	05-00-73	1,980
146-094-05CBD	Raymond Hammel	1,410	1,410	1,340	1.25	1968	32	05-00-72	211FXHL	2,890	8.2	19.0	05-25-72	1,910
146-094-05DCC	Raymond Hammel	--	1,500	1,410	2	1972	+78	05-00-73	211FXHL	--	--	20.0	05-22-73	1,960
146-094-08DAC1	Raymond Hammel	--	25	--	--	--	--	--	125SNLB	4,070	8.0	8.0	10-08-71	1,920
146-094-08DAC2	Raymond Hammel	--	25	--	48	--	15	10-00-71	--	--	--	--	--	1,920
146-094-08DAD1	Raymond Hammel	1,404	1,404	--	1.25	09-00-69	+12	09-00-69	211FXHL	3,590	8.3	14.0	05-25-72	1,965
146-094-08DAD2	Raymond Hammel	1,730	1,730	1,660	1.25	10-23-74	+81	10-23-74	211FXHL	2,090	8.7	20.0	05-31-90	1,965
146-094-13CBB	R. Buehner	87	67	57	4	1962	--	--	125SNLB	400	--	7.5	10-00-71	2,260
146-094-15ACC1	Raymond Hammel	--	146	126	2	--	--	--	125SNLB	--	--	--	--	2,300
146-094-15ACC2	Raymond Hammel	--	150	138	3	1971	--	--	125SNLB	1,780	--	10.0	05-00-72	2,290
146-094-23AAD	H. Buehner	--	130	--	--	--	--	--	--	750	--	7.5	10-00-71	2,270
146-094-24BDD	O. O'Neil	--	50	--	4	1941	7	--	125SNLB	400	--	7.5	10-00-71	2,260
146-094-24CAA	O. O'Neil	65	53	--	4	1968	--	--	125SNLB	575	--	8.0	10-00-71	2,260
146-094-24CAB1	O. O'Neil	56	41	--	4	1957	35	--	125SNLB	520	--	8.5	10-00-71	2,260
146-094-24CAB2	O. O'Neil	--	50	--	6	1932	--	--	--	520	--	7.5	10-00-71	2,260
146-094-24DDD1	R. Krieger	140	134	--	2	1954	--	--	125SNLB	700	--	8.5	10-00-71	2,260
146-094-24DDD2	R. Krieger	77	60	--	4	1960	--	--	125SNLB	442	7.9	9.0	10-07-71	2,260
146-094-35AAB	J. Connolly	--	--	--	--	--	--	--	125SNLB	878	--	--	--	--
146-095-15ABCD	Kupper 1	16,510	--	--	--	09-00-86	--	--	--	--	--	--	--	2,375
146-095-35DDC	H. Mittelstadt	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
147-087-03CCA	O. Whitecalf	--	275	--	4	1953	--	--	125FRUN	--	--	7.5	04-00-68	2,014

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
147-087-03CDB	USBIA	500	--	--	--	1951	--	--	--	--	--	--	--	2,014
147-087-04ABA	N. Karlson	--	380	--	4	--	--	--	125TGRV	2,550	8.3	8.0	10-14-66	--
147-087-04ABC	F. White	--	190	--	5	1953	--	--	125FRUN	--	--	9.0	04-00-68	2,020
147-087-09BAD	O. Whitecalf	--	271	--	--	1953	--	--	125FRUN	--	--	14.5	04-00-68	1,980
147-087-12BAA	Three Affiliated Tribes	145	--	--	--	1951	--	--	--	--	--	--	--	--
147-087-12BAB	M. Whitebear, Sr.	480	465	434	4	1951	206	1951	125FRUN	--	--	--	--	1,959
147-087-13BCB	Three Affiliated Tribes	275	261	--	--	1951	204	1951	--	--	--	--	--	--
147-088-01ABD	USBIA	500	--	--	--	--	--	--	--	--	--	--	--	2,020
147-088-01ACB	USBIA	500	--	--	--	--	--	--	--	--	--	--	--	2,010
147-088-01BDD	D. Paint	100	87	--	--	1953	--	--	125FRUN	--	--	--	--	2,000
147-088-01CCD	F. Howard	181	175	--	--	1953	--	--	125FRUN	--	--	8.5	04-00-68	2,000
147-088-01DCC	R. Paint	--	153	--	--	--	127	06-00-67	--	--	--	--	--	2,003
147-088-03AAA	M. Mountain	--	200	--	3	--	170	08-00-66	125FRUN	--	--	7.5	08-00-66	--
147-088-03ABA1	P. Price	--	21	--	6	--	10	--	--	--	--	7.5	08-00-66	--
147-088-03ABA2	P. Price	--	405	--	--	--	--	--	--	--	--	--	--	2,052
147-088-03ABC	J. Price	500	439	--	4	--	287	10-00-51	--	--	--	--	--	2,038
147-088-03ADB	L. Ross	--	169	--	4	1952	149	08-00-66	125FRUN	--	--	8.5	08-00-66	--
147-088-07BDD	Whitetail Heirs	132	100	--	--	1953	--	--	--	--	--	9.0	04-00-68	1,880
147-088-11BAA1	B. Pfliger	400	--	--	--	--	--	--	--	--	--	--	--	1,996
147-088-11BAA2	B. Pfliger	--	245	--	--	1954	--	--	125FRUN	--	--	7.5	04-00-68	2,000
147-088-11BAB	USBIA	500	--	--	--	--	--	--	--	--	--	--	--	1,961
147-088-11BDC1	E. White	--	195	--	--	--	--	--	125FRUN	--	--	--	--	1,900
147-088-11BDC2	E. White	500	461	--	4	--	167	10-00-51	--	--	--	--	--	1,879
147-088-12BAD	E. Nest	500	489	--	4	--	229	10-00-51	--	--	--	--	--	1,962
147-088-12CAB	F. Howard	500	483	--	4	--	219	10-00-51	--	--	--	--	--	1,950

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
147-088-12CBB	USBIA	122	--	--	--	--	--	--	--	--	--	--	--	1,950
147-088-16ADA	H. Ziegler	--	196	--	4	1954	89	04-00-68	--	--	--	--	--	1,930
147-089-03DA	E. Gillette	--	148	--	--	1955	--	--	--	--	--	--	--	1,960
147-089-03DBA	E. Gillette	--	58	--	--	--	38	07-00-66	--	--	--	--	--	--
147-089-11DAD	W. Yellowbird	--	34	--	24	--	33	07-00-66	--	--	--	--	--	1,970
147-089-31DDD	M. Grinnell	--	165	--	6	--	140	08-00-66	--	1,040	--	7.5	08-00-66	--
147-089-33ADA	A. Little Soldier	55	55	52	4	1963	--	--	--	780	--	7.0	09-00-67	--
147-089-33DAD1	G. Little Soldier	--	70	--	6	--	20	--	--	--	--	--	--	--
147-089-33DAD2	G. Little Soldier	--	50	--	2	1956	20	--	--	--	--	--	--	--
147-089-33DDA	A. Little Soldier	--	70	--	4	1951	45	09-00-67	--	--	--	--	--	--
147-089-34DCB1	N. Little Soldier	--	70	--	6	1953	60	--	--	880	--	8.0	08-00-66	--
147-089-34DCB2	N. Little Soldier	--	26	25	4	1963	5	08-00-66	--	--	--	--	--	--
147-089-34DDC	N. Little Soldier	22	20	20	4	1963	4	09-00-67	--	700	--	9.0	09-00-67	--
147-090-19CDC	Three Affiliated Tribes	405	--	--	--	1951	--	--	--	--	--	--	--	2,151.4
147-090-20DDB	E. Stone	400	84	--	4	1951	42.2	09-18-51	125SNLB	780	--	7.5	08-00-66	--
147-090-20DDCC	USBM 26	240	--	--	--	08-23-79	--	--	--	--	--	--	--	2,123
147-090-22CCC	Three Affiliated Tribes	150	150	--	4	1950	73.8	11-09-51	125SNLB	2,010	7.9	8.5	11-03-50	2,028.8
147-090-25ABC	Three Affiliated Tribes	163	155	85	4	1950	98.2	11-09-50	125SNLB	3,900	8.2	--	11-03-50	1,869.3
147-090-31ACD	E. Benson	--	65	--	3	1952	--	--	125SNLB	--	--	--	--	--
147-090-35ABDB	USBM 27	220	--	--	--	08-23-79	--	--	--	--	--	--	--	1,994
147-090-36DAD	J. Darcy	152	152	--	4	1965	--	--	--	--	--	--	--	--
147-091-14BDD	F. Benson	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
147-091-15CCD	USGS	272	--	--	--	06-24-92	--	--	--	--	--	--	--	2,310
147-091-15DCC	Three Affiliated Tribes	63	46	--	2	--	--	--	125SNLB	--	--	--	--	2,180
147-091-17AAD	Three Affiliated Tribes	400	--	--	--	1950	--	--	--	--	--	--	--	2,169

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feat)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Date water-quality properties measured	Altitude of land surface (feet)
147-091-21DCA	S. Lincoln	73	63	--	4	1969	23	--	125SNLB	1,580	--	8.0	09-00-71	2,270
147-091-22AAD	C. Lincoln	400	87	--	4	1950	48	09-00-71	125SNLB	--	--	--	--	2,260
147-091-25BBD	Three Affiliated Tribes	200	--	--	--	04-19-84	--	--	--	--	--	--	--	2,185
147-091-25CCA	Three Affiliated Tribes	200	--	--	--	04-19-84	--	--	--	--	--	--	--	2,150
147-091-25DAA	J. Starr	186	126	--	4	1951	9	09-00-51	125SNLB	--	--	--	--	2,090
147-091-25DCC	Milton Starr	95	92	72	5	12-10-81	49	12-10-81	125SNLB	4,010	8.0	14.0	06-12-90	2,110
147-091-26BDB	K. Fredericks	--	--	--	--	--	--	--	125SNLB	628	--	--	--	--
147-091-26CCD	USBIA	1,720	925	925	6	1966	45	09-00-71	125TGRV	2,950	7.2	8.0	09-29-71	2,218
147-091-26CDB	USBIA	100	70	55	6	1960	--	--	125SNLB	--	--	--	--	2,220
147-091-27BBD	J. Stone	400	24	--	4	1950	3	11-00-50	125SNLB	805	--	9.5	09-00-71	2,208
147-091-28ACC	Lester Crowsheart	720	707	677	4	03-24-80	480	03-24-80	125TGRV	3,430	8.2	14.0	06-12-90	2,320
147-091-28DDD1	USBIA	89	78	--	4	1969	--	--	125SNLB	--	--	--	--	--
147-091-28DDD2	USBIA	65	--	--	--	1969	--	--	--	--	--	--	--	--
147-091-28DDD3	USBIA	98	--	--	--	1969	--	--	--	--	--	--	--	--
147-091-29BCA	J. Fredericks	918	917	875	4	1965	432	05-00-72	125TGRV	3,650	8.2	13.5	05-23-72	2,270
147-091-30AAA	Three Affiliated Tribes	400	--	--	--	1950	--	--	--	--	--	--	--	2,261
147-091-31CDB1	C. Smith	--	250	--	4	1954	--	--	125SNLB	--	--	--	--	2,090
147-091-31CDB2	C. Smith	--	--	--	--	--	--	--	125SNLB	--	--	--	--	2,070
147-091-33ADD	Three Affiliated Tribes	405	--	--	--	1950	--	--	--	--	--	--	--	2,308
147-091-35BDA	K. Fredericks	1,550	1,550	906	2	--	60	09-00-70	211FXHL	2,030	--	8.0	09-00-71	2,190
147-091-36AAC	J. Starr	--	7	--	36	1969	2	09-00-71	--	1,400	--	--	1971	--
147-091-36BBD	Three Affiliated Tribes	200	--	--	--	04-18-84	--	--	--	--	--	--	--	2,120
147-091-36CBD	Three Affiliated Tribes	200	--	--	--	04-18-84	--	--	--	--	--	--	--	2,170
147-092-03CDC1	Cliff Mossett	--	159	--	4	1969	106	08-00-69	125SNLB	5,060	--	10.0	05-00-72	1,905
147-092-03CDC2	Cliff Mossett	1,000	1,000	980	4.5	04-30-76	+35	04-30-76	--	3,030	8.3	16.0	06-01-90	1,900

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
147-092-10AABD	Young Bear 1	13,350	--	--	--	09-27-80	--	--	--	--	--	--	--	2,048
147-092-15ADD	Peter Fredericks	1,100	1,100	1,090	4.5	04-23-76	--	--	--	2,720	8.3	17.0	06-01-90	1,950
147-092-21DA	Three Affiliated Tribes	405	--	--	--	1950	--	--	--	--	--	--	--	2,288
147-092-21DDB	USGS	300	--	--	--	06-24-92	--	--	--	--	--	--	--	2,285
147-092-36BC	Three Affiliated Tribes	405	--	--	--	1950	--	--	--	--	--	--	--	2,312
147-093-03DBB	Three Affiliated Tribes	250	223	--	4	--	163	10-00-50	125SNLB	4,060	8.7	--	10-19-50	2,001
147-093-05CDD	Carter Oil Co.	11,100	--	--	--	--	--	--	--	--	--	--	--	2,133
147-093-07ACDD	USBM 5	150	--	--	--	08-09-79	--	--	--	--	--	--	--	2,229
147-093-07CBCA	USBM 9	90	--	--	--	08-17-79	--	--	--	--	--	--	--	2,226
147-093-08BBCA	Hairy Robe Estate 1	13,780	--	--	--	11-09-70	--	--	--	--	--	--	--	2,197
147-093-08CAAC	Burbank Bia 23-8	8,961	--	--	--	01-20-82	--	--	--	--	--	--	--	2,262
147-093-09ABCA	USBM 6	190	--	--	--	08-16-79	--	--	--	--	--	--	--	2,207
147-093-15BCD	Three Affiliated Tribes	405	--	--	--	1950	--	--	--	--	--	--	--	2,220
147-093-29DCA	Andrew Voigt	--	373	--	2	1930	22	08-00-72	125TGRV	3,240	8.1	13.5	08-23-72	1,840
147-093-33DAC	Andrew Voigt	1,400	1,390	1,340	2	05-19-89	--	--	211FXHL	2,220	8.6	18.5	05-30-90	1,960
147-093-34DBB	Andrew Voigt	1,300	1,300	1,190	2	06-20-89	+162	06-20-89	211FXHL	2,230	8.7	17.5	05-30-90	1,860
147-093-35CBC1	Corps of Engineers	--	96	--	2	--	--	--	125TGRV	8,000	--	9.5	05-00-72	1,860
147-093-35CBC2	Corps of Engineers	560	560	536	4	08-27-85	+20	08-27-85	--	--	--	--	--	1,860
147-093-35CBC3	Corps of Engineers	1,420	1,320	1,170	5	10-14-89	+224	10-14-89	211FXHL	--	--	--	--	1,860
147-094-01DAA	USGS	300	--	--	--	06-23-92	--	--	--	--	--	--	--	2,236
147-094-02AD	Three Affiliated Tribes	315	--	--	--	1950	--	--	--	--	--	--	--	2,244
147-094-03CDBD	Moccasin 3-24	9,832	--	--	--	12-06-85	--	--	--	--	--	--	--	--
147-094-04DDA	Little Swallow	--	--	--	--	--	--	--	125SNLB	2,250	--	--	--	--
147-094-26BCB	K. Knutson	1,510	1,500	1,470	1.25	1969	+74	11-00-72	211FXHL	2,350	8.1	15.5	11-16-72	1,940
147-094-33DB	H. Larson	--	1,660	1,590	1.25	1969	--	--	211FXHL	--	--	--	--	2,210

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
147-094-34BAD	K. Knutson	1,510	1,502	1,460	1.25	1968	8	11-00-72	211FXHL	2,230	8.1	23.0	11-16-72	1,980
147-094-35CAA	Kenneth Knutson	1,610	1,610	1,550	2	10-09-74	--	--	211FXHL	--	--	--	--	2,270
147-094-35CBB	Kim Knutson	1,560	1,560	1,495	2	06-08-89	+32.34	06-08-89	211FXHL	--	--	--	--	2,150
147-094-35DBDC	33-35 MOI	11,366	--	--	--	11-01-87	--	--	--	--	--	--	--	2,250
147-094-36BAD	Earl Pelton	1,460	1,450	1,390	2	05-27-89	--	--	211FXHL	--	--	--	--	2,000
147-095-12BCD	T. Sandvick	--	400	--	1.25	--	+12	07-00-72	125TGRV	3,240	8.0	--	07-13-72	2,000
147-095-12CAD	T. Sandvick	1,420	1,410	1,390	1.25	1969	+118	07-00-72	211FXHL	2,900	8.1	18.5	07-13-72	1,880
147-095-13CCC1	NDSPS	160	--	--	--	1971	--	--	211FXHL	--	--	--	--	2,420
147-095-13CCC2	NDSPS	1,950	1,930	--	2	1971	299	06-00-73	211FXHL	2,120	8.5	12.0	07-07-72	2,420
147-095-13CCC3	NDSPS	2,130	1,980	1,900	5	05-22-79	310	05-22-79	211FXHL	2,070	8.6	15.5	05-30-90	2,420
147-095-14AAA	NDSPS	1,430	1,430	1,410	1.25	1968	+71	07-00-72	211FXHL	2,880	8.1	17.0	07-13-72	1,980
147-095-14CAC	H. Guimont	--	10	--	48	1958	5	--	125SNLB	1,120	--	--	1958	--
147-095-14CBB1	G. Kleeman	--	52	52	24	1933	20	--	125SNLB	3,860	8.2	7.0	12-09-71	--
147-095-14CBB2	G. Kleeman	--	120	120	6	1963	70	--	125SNLB	2,350	--	--	12-00-71	--
147-095-14CBB3	G. Kleeman	--	26	26	18	1933	10	--	125SNLB	1,900	--	7.0	12-00-71	--
147-095-18DDA	George Tabor	2,052	2,052	1,987	5	12-28-74	415	12-28-74	--	2,100	8.6	8.0	05-30-90	2,560
147-095-19BBAC	Corral Creek 1	14,450	--	--	--	03-18-81	--	--	--	--	--	--	--	2,524
147-095-22BBB	Martin Kleeman	1,000	965	925	4	11-18-78	475	11-18-78	125TGRV	3,110	8.1	9.5	05-30-90	2,430
147-095-23CCA	A. Schwalbe	--	20	20	36	--	10	--	125SNLB	2,750	--	--	1971	--
147-095-23DBDB	B.N. 1-23	9,950	--	--	--	04-04-80	--	--	--	--	--	--	--	2,365
147-095-24AAC	T. Sandvick	--	1,580	--	1.25	1969	+146	--	211FXHL	2,070	8.4	24.0	07-13-72	2,000
147-095-26BBB1	A. Schwalbe	--	1,850	--	1.25	1969	164	07-00-72	211FXHL	2,270	8.2	--	12-08-71	2,280
147-095-26BBB2	A. Schwalbe	--	20	20	72	--	10	--	125SNLB	1,800	--	4.0	12-00-71	--
147-095-29DBBD	Coastal AL-AQ BN 2	14,271	--	--	--	11-07-81	--	--	--	--	--	--	--	2,368
147-095-32BDC	W. Rice	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
147-095-33BDBD	COGL-AL AQUI	14,323	--	--	--	03-10-82	--	--	--	--	--	--	--	2,410
148-086-20DAA	NDSWC 4043	240	208	188	1.25	1970	65.8	07-10-70	112WSLD	--	--	--	--	1,917
148-086-29AAA2	NDSWC 4044	360	138	118	1.25	07-00-70	47.2	07-14-70	112WSLD	--	--	--	--	1,902
148-087-01CCC	NDSWC 5567	180	--	--	--	1969	--	--	125SNLB	--	--	--	--	2,005
148-087-02CDC	Lois Johnson	195	195	185	4.5	10-21-80	135	10-21-80	112WSLD	--	--	--	--	2,000

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-087-03DDD	Reid Hill	220	214	204	4.5	09-13-83	130	09-13-83	112WSLD	1,130	7.4	10.5	05-24-90	1,990
148-087-04CDD	N. Heinzen	--	12	--	12	--	7	09-00-66	112BGFV	--	--	--	--	2,035
148-087-06DCA	Ronald Mohl	--	16	--	40	--	12	09-00-66	--	--	--	--	--	1,970
148-087-06DCB	Ronald Mohl	42	42	36	4	06-24-85	7.2	06-24-85	112WSLD	1,340	7.4	8.5	05-24-90	1,965
148-087-06DCC	NDSWC 2839	40	--	--	--	1967	--	--	112WSLD	--	--	--	--	1,960
148-087-07AAA1	NDGS 38	19	16	14	1.25	1967	10.80	08-00-67	112WSLD	621	8.2	7.5	05-13-68	1,966
148-087-07AAA2	NDSWC 3626	420	278	258	4	07-29-68	112.35	09-09-68	112WSLD	1,360	8.0	--	08-05-68	1,966
148-087-07DDD	H. Klabunde	--	74	--	24	1910	50	09-00-66	--	--	--	--	--	1,980
148-087-08BCC	Bruce Klabunde	220	210	195	4.5	05-21-82	110	05-21-82	112WSLD	--	--	--	--	1,965
148-087-10CCC	L. Klabunde	--	80	--	4	1958	50	09-00-66	112WSLD	--	--	7.5	09-00-66	1,945
148-087-11DDD	F. Heinzer	13	13	13	24	--	9	10-00-66	112OTSH	570	8.2	12.0	10-11-66	1,955
148-087-13BBB	NDSWC 3619	370	278	258	1.25	07-00-68	104.33	09-09-68	112WSLD	1,470	8.0	--	07-30-68	1,954
148-087-13DDD	NDSWC 5565	420	305	--	1.25	1969	106.27	11-04-69	112WSLD	1,450	8.0	6.0	10-30-69	1,945
148-087-14BAA	J.J. Inglehart	310	270	238	12	04-27-76	120	04-27-76	112WSLD	--	--	--	--	1,975
148-087-14BAB	J.J. Inglehart	340	305	275	12	07-28-76	112	07-28-76	112WSLD	--	--	--	--	1,965
148-087-14DAA	J.J. Inglehart	210	190	158	12	07-02-75	100	07-02-75	112WSLD	--	--	--	--	1,950
148-087-15AAA	Mark Ruhland	280	275	255	4	02-26-82	109	02-26-82	112WSLD	--	--	--	--	1,960
148-087-15DCC	NDSWC 5564	60	--	--	--	1969	--	--	125SNLB	--	--	--	--	1,930
148-087-15DCD	J.J. Inglehart	1,160	1,160	1,130	5	09-09-82	--	--	211FXHL	2,610	8.3	18.0	05-24-90	1,910
148-087-16AAA	USAF	--	103	--	3	1961	52	05-00-61	125FRUN	--	--	--	--	1,954
148-087-19DDD	L. Ziegler	--	61	--	24	--	41	--	125FRUN	--	--	--	--	2,015
148-087-20AB	Matheny 1-20A	11,569	--	--	--	08-09-81	--	--	--	--	--	--	--	1,990
148-087-24BCD	V. Nyberg	--	61	--	24	1953	46	09-00-66	125SNLB	4,020	7.8	5.5	09-16-66	1,920
148-087-24CCC	NDSWC 5566	40	--	--	--	1969	--	--	125SNLB	--	--	--	--	1,930
148-087-27ADA	A. Kerzman	--	135	--	6	--	78	09-00-66	125TGRV	2,290	8.5	6.0	09-16-66	1,965
148-087-27BBD	L. Ziegler	--	109	--	4	--	88	10-00-67	125FRUN	--	--	--	--	--
148-087-27CCC	NDSWC 3620	20	--	--	--	1968	--	--	--	--	--	--	--	1,970
148-087-27DBD	F. Crawford	--	78	--	24	--	68	09-00-66	--	--	--	--	--	1,985
148-087-27DDA	W. Kerzman	--	228	--	4	--	137	09-00-66	125TGRV	2,810	8.5	10.0	09-16-66	--
148-087-31BAA	A. Deering	--	152	--	--	--	114	09-00-66	125FRUN	--	--	--	--	2,015

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-087-33BBB	Leo Ruhland	1,320	1,320	1,280	5	08-21-86	35	08-21-86	211FXHL	2,630	8.5	13.5	05-24-90	2,005
148-087-34AAD	M. Peterson	--	96	--	18	1906	26	09-00-66	125FRUN	--	--	--	--	1,955
148-087-35BBC	NDSWC 5563	40	--	--	--	1969	--	--	125SNLB	--	--	--	--	1,945
148-088-01AAA	S. Hopkins	--	232	--	--	1952	--	--	112WSLD	--	--	--	--	1,980
148-088-01BBB	E. Lockwood	--	218	--	--	1952	--	--	112WSLD	--	--	--	--	2,050
148-088-01CB	G. Fox	--	197	--	--	1952	--	--	112WSLD	--	--	--	--	1,990
148-088-02DDA	USBIA	--	232	198	8	1965	144	05-00-65	112WSLD	1,450	7.7	8.0	05-05-67	1,975
148-088-02DDB	USBIA	--	215	181	8	1963	94	10-00-66	112WSLD	1,470	8.3	9.0	05-05-67	1,985
148-088-05ABA	NDSWC 3624	320	--	--	--	1968	--	--	112WSLD	--	--	--	--	2,035
148-088-07DCC	J. Snake	--	33	--	--	1952	--	--	125FRUN	--	--	--	--	2,120
148-088-07DDD	J. Snake	--	26	--	--	1952	--	--	--	--	--	--	--	2,110
148-088-08CAC	L. Waters	--	78	--	3	1954	--	--	--	--	--	9.0	07-00-68	2,080
148-088-08DDC	D. Wolf	195	183	--	4	1952	118	10-00-51	125FRUN	--	--	8.0	08-00-66	2,035
148-088-10AAA	M. Yellowface	105	105	--	4	1953	--	--	--	--	--	--	--	2,020
148-088-10CDD	NDSWC 3621	40	--	--	--	1968	--	--	--	--	--	--	--	2,005
148-088-10DDD	T. Yellowface	200	200	--	--	1953	--	--	--	--	--	--	--	2,030
148-088-11AAA	NDSWC 5562	200	--	--	--	1969	--	--	--	--	--	--	--	1,995
148-088-11CCC	J. White	105	105	--	4	1953	--	--	--	--	--	9.0	08-00-66	2,040
148-088-11DBB	E. White	--	150	--	30	1968	126	11-00-68	--	--	--	--	--	2,030
148-088-12CCD1	USBIA	37	26	--	30	1968	19	11-00-68	--	--	--	--	--	2,020
148-088-12CCD2	USBIA	37	37	--	30	1968	13	11-00-68	--	--	--	--	--	2,020
148-088-12CDC1	USBIA	34	29	24	30	1968	16	11-00-68	--	--	--	--	--	2,020
148-088-12CDC2	USBIA	37	26	26	30	1968	13	11-00-68	125FRUN	--	--	--	--	2,020
148-088-12CDD	USBIA	60	51	48	30	1968	18	11-00-68	--	--	--	--	--	2,020
148-088-13BCB	K. Hopkins	170	146	--	4	--	97	10-00-51	125FRUN	--	--	--	--	2,025
148-088-15CCB	E. Packineau	--	150	--	4	1954	--	--	125FRUN	--	--	--	--	2,060
148-088-16DAA	J. White	160	148	--	4	--	106	10-00-51	125FRUN	--	--	--	--	2,050
148-088-18AAA	Fred Huber	502	502	482	4	07-00-77	280	07-00-77	125TGRV	2,830	8.3	14.5	05-22-90	2,100
148-088-18CBA	L. Waters	--	200	--	--	1953	--	--	125FRUN	--	--	--	--	2,150
148-088-21DBC1	Almit Breuer	235	--	--	--	1952	--	--	125FRUN	--	--	--	--	2,155

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-088-21DBC2	Almit Breuer	300	295	270	4.5	12-18-87	234	12-18-87	--	1,230	8.8	9.5	05-22-90	2,155
148-088-21DBD	Henry Breuer	232	220	--	4.5	07-10-80	195	07-10-80	125SNLB	1,020	7.5	13.5	05-22-90	2,160
148-088-26BAD	J. Packineau	435	382	--	4	--	266	10-00-51	125TGRV	--	--	--	--	2,120
148-088-28DD	USBIA	121	117	--	--	1952	--	--	125FRUN	--	--	--	--	2,080
148-088-30AAA	A. Hosie	--	130	--	4	--	80	--	125FRUN	--	--	9.5	08-00-66	--
148-088-35ABD	P. Ross	--	118	--	4	1954	103	1954	125FRUN	--	--	8.0	08-00-66	--
148-088-35ACA	P. Ross	505	476	--	4	--	305	10-00-51	125TGRV	--	--	--	--	2,062
148-088-35DDD1	L. Ross	46	43	--	--	1953	--	--	125FRUN	--	--	--	--	2,022
148-088-35DDD2	L. Ross	500	--	--	--	1953	--	--	125TGRV	--	--	--	--	2,020
148-088-36CCC	W. Yellowbird	98	84	--	--	--	--	--	--	--	--	--	--	2,017
148-089-04CDD	W. Schettler	205	192	--	4	1932	160	--	125FRUN	--	--	7.5	08-00-66	2,105
148-089-06CAD1	M. Lunden	--	13	--	12	--	7	07-00-66	--	--	--	--	--	2,070
148-089-06CAD2	M. Lunden	--	30	--	6	1946	24	--	112BGFV	--	--	7.0	07-00-66	2,070
148-089-07AC	Slocum 1	13,436	--	--	--	03-01-81	--	--	--	--	--	--	--	2,083
148-089-07DDD	B. Slocum	259	256	--	4	1952	164	07-00-66	125FRUN	--	--	8.0	07-00-66	2,103
148-089-09AAB	USGS	60	--	--	--	06-01-92	--	--	--	--	--	--	--	2,117
148-089-10BBB	USGS	60	--	--	--	06-01-92	--	--	--	--	--	--	--	2,118
148-089-11AA	USBIA	400	--	--	--	--	--	--	125TGRV	--	--	--	--	2,127
148-089-12BDD	C. Drablos	116	103	--	--	--	--	--	125FRUN	--	--	--	--	2,120
148-089-12DB	USBIA	285	--	--	--	1952	--	--	--	--	--	--	--	2,120
148-089-12DCC	H. Gillette	--	24	--	--	1952	--	--	125FRUN	--	--	--	--	2,130
148-089-13BCC1	D. Nelson	--	130	--	24	--	127	07-00-66	125FRUN	--	--	7.5	07-00-66	2,160
148-089-13BCC2	D. Nelson	--	185	--	4	1963	163	07-00-66	125FRUN	--	--	8.0	07-00-66	2,170
148-089-18BCD	A. Packineau	--	115	--	--	1954	--	--	112BGFV	--	--	--	--	2,038
148-089-20BAC	M. Wolf	--	240	--	--	1955	--	--	125FRUN	--	--	--	--	2,060
148-089-20BAD	N. Goodbird	--	122	--	--	1953	--	--	--	--	--	--	--	2,050
148-089-20CBB	NDSWC 5552	100	--	--	--	1969	--	--	--	--	--	--	--	2,020
148-089-22CDA	J. Wilkinson	--	150	--	--	1954	--	--	125FRUN	--	--	9.0	04-00-68	2,082
148-089-22DAB	J. Wilkinson	295	290	--	4	--	222	10-00-51	125TGRV	--	--	--	--	2,070
148-089-27CDC	E. Badger	--	105	--	4	1953	--	--	--	--	--	--	--	1,960

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-089-27DCC	Helen Wilkinson	80	80	--	24	05-16-73	52	05-16-73	125SNLB	--	--	--	--	1,955
148-089-28ACB	B. Deane	405	358	--	4	--	199	10-00-51	125TGRV	--	--	--	--	2,000
148-089-30ADA	L. Smith	78	63	--	3	1953	19	08-00-66	--	--	--	--	--	2,000
148-089-30BDCA	Delaittre-Jones	8,240	--	--	--	11-11-73	--	--	--	--	--	--	--	2,046
148-089-33CCA	Almit Breuer	1,390	1,390	1,310	2	10-22-86	--	--	211FXHL	--	--	--	--	1,940
148-089-36AAA	J. Ripley	--	100	--	4	1964	75	--	125FRUN	--	--	7.5	08-00-66	--
148-089-36CAA1	E. Hanson	--	37	--	4	1965	24	07-00-66	112BGFV	--	--	7.0	07-00-66	1,950
148-089-36CAA2	E. Hanson	--	124	--	6	--	90	--	--	--	--	7.0	07-00-66	1,950
148-089-36CAA3	E. Hanson	147	104	--	--	1954	--	--	125FRUN	--	--	7.5	04-00-68	1,930
148-090-01ABA	Empire State Oil	8,590	--	--	--	1968	--	--	--	--	--	--	--	2,050
148-090-01BAD	E. Sanderson	--	90	--	--	1953	--	--	125FRUN	--	--	--	--	2,085
148-090-01CAC	T. Bear	--	130	--	--	1954	--	--	125FRUN	--	--	--	--	2,080
148-090-02DB	V. Malnourie	--	160	--	--	1952	--	--	125FRUN	--	--	--	--	2,125
148-090-03ABB1	Wilbur Schettler	600	--	--	--	06-27-77	--	--	125TGRV	--	--	--	--	2,140
148-090-03ABB2	Wilbur Schettler	830	825	790	4	12-21-84	295	12-21-84	125TGRV	--	--	--	--	2,140
148-090-05AAD	L. Malnourie	--	194	--	--	--	--	--	125FRUN	--	--	--	--	1,980
148-090-06DDD	NDSWC 5576	80	--	--	--	1969	--	--	125SNLB	--	--	--	--	2,015
148-090-07DCC	Ken Charging	330	330	282	5	04-24-84	247	04-24-84	125TGRV	1,960	8.2	12.5	05-22-90	2,060
148-090-07DCD	Ken Charging	322	--	--	--	04-05-84	--	--	125TGRV	--	--	--	--	2,030
148-090-08BB	USBIA	405	--	--	--	--	--	--	125TGRV	--	--	--	--	2,108
148-090-09DBA	M. Jones	--	185	--	--	1954	--	--	125FRUN	--	--	--	--	2,130
148-090-10CDA	L. Everett	153	151	--	4	--	95	07-00-51	125FRUN	--	--	--	--	2,076
148-090-12ABAC	Emma Coffee 1	8,350	--	--	--	09-08-89	--	--	--	--	--	--	--	2,111
148-090-12DACA	Birdstail 12-1	10,200	--	--	--	03-31-83	--	--	--	--	--	--	--	2,055
148-090-12DDB	P. Coffee	154	72	--	4	1953	--	--	--	--	--	8.5	07-00-68	2,070
148-090-13BBC	L. Holtan	--	74	60	4	1946	55	--	125FRUN	--	--	--	--	2,055
148-090-13DDC	S. Badbrave	--	225	--	--	1952	--	--	--	--	--	--	--	2,050
148-090-15AAA	Larry Treujillo	100	96	84	4.5	05-10-85	45	05-10-85	--	--	--	--	--	2,050
148-090-16ABC	Gene Voigt	353	290	--	5	10-15-82	194	10-15-82	125TGRV	2,120	8.7	20.5	05-22-90	2,000
148-090-22BCC	E. Hall	270	235	--	4	--	135	07-00-51	125FRUN	--	--	--	--	1,927

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-090-23AAA	USBIA	300	--	--	--	1951	--	--	--	--	--	--	--	2,080
148-090-23ABC	M. Cross	175	167	--	4	--	121	10-00-51	125FRUN	--	--	--	--	2,020
148-090-23DDC	USBIA	--	292	--	--	--	--	--	--	--	--	--	--	1,990
148-090-24DCC	K. Packineau	391	359	--	4	--	298	10-00-66	125TGRV	--	--	--	--	2,100
148-090-25BC	L. Holtan	1,310	1,281	1,281	2	1967	51	11-00-67	211FXHL	2,500	8.5	15.5	11-16-67	1,920
148-090-26ABB1	L. Holtan	117	115	106	4	1942	88	10-00-66	125FRUN	--	--	--	--	1,930
148-090-26ABB2	L. Holtan	142	126	126	4	1952	--	--	125TGRV	3,140	8.5	9.0	10-13-66	1,930
148-092-03ABA	V. Huntsalong	--	26	--	18	1969	--	--	125SNLB	1,500	--	--	1969	--
148-092-03DBA	Three Affiliated Tribes	510	--	--	--	1950	--	--	--	--	--	--	--	2,217
148-092-04ACBA	Youngbear BIA 32-4	11,274	--	--	--	09-16-82	--	--	--	--	--	--	--	2,289
148-092-04CBD	Youngbear	--	--	--	--	--	--	--	125SNLB	447	--	--	--	--
148-092-05	Three Affiliated Tribes	400	--	--	--	1950	--	--	--	--	--	--	--	2,327
148-092-06AAD	Rita Blackhawk	222	210	150	4	11-01-81	122	11-01-81	125SNLB	480	6.7	13.0	05-31-90	2,330
148-092-06BAD	G. Vandyke	--	133	129	1.2	1967	104	07-00-71	125SNLB	860	--	--	1971	--
148-092-06BCA	P. Vandyke	--	89	--	6.	1971	40	--	125SNLB	719	7.6	9.5	08-02-72	--
148-092-06BDB	P. Vandyke	--	98	70	4	1966	80	--	125SNLB	888	7.3	9.5	08-02-72	--
148-092-11AAC	P. Murphy	--	--	--	--	--	--	--	125SNLB	461	--	--	--	--
148-092-11ACA	Three Affiliated Tribes	--	--	--	--	--	--	--	125SNLB	550	--	--	--	--
148-092-11CCB	N. Baker	--	100	--	20	1971	85	08-00-73	125SNLB	1,210	--	--	1973	--
148-092-14ABBB	USBM 11	200	--	--	--	08-17-79	--	08-17-79	--	--	--	--	--	2,031
148-092-23ABB	USGS	300	285	280	2	06-12-92	200.80	07-30-92	125TGRV	3,670	8.5	15.0	08-04-92	2,010
148-092-23CCA	R. Youngbear	50	23	19	20	1971	12	08-00-73	125SNLB	1,530	8.0	--	08-09-73	--
148-092-24CCCA	Randy Roshau	142	140	120	4	08-13-83	40	08-13-83	--	1,350	7.4	11.5	07-21-90	1,900
148-092-24CCCB	Robbie Kuderna	130	130	110	4	08-05-83	45	08-05-83	--	2,270	8.0	11.0	07-21-90	1,890
148-092-26ACA	E. Fredericks	--	--	--	--	--	--	--	125SNLB	655	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-092-26CCD	D. Duda	--	119	109	4	1971	20	--	125SNLB	1,900	--	--	1971	--
148-092-35BDA	J. Davis	--	65	--	4	1970	--	--	125SNLB	4,010	7.4	--	08-03-73	--
148-093-01DDC	C. Woman	--	--	--	--	--	--	--	125SNLB	497	--	--	--	--
148-093-04CAB1	NDSWC 4596A	--	340	330	1.25	10-00-73	136.83	05-23-74	125TGRV	4,250	8.4	9.0	11-07-73	1,986
148-093-04CAB2	NDSWC 4596B	--	190	180	1.25	10-00-73	68.52	11-15-73	125SNLB	4,250	--	9.0	11-00-73	1,987
148-093-04CBD	NDSWC 4596	920	480	462	2	10-00-73	119.45	11-15-73	125TGRV	3,680	8.8	8.0	11-07-73	1,980
148-093-05CCA1	O. Standish	--	102	--	4	--	--	--	125SNLB	--	--	--	--	--
148-093-05CCA2	O. Standish	--	72	--	6	1968	50	--	112BGFV	2,200	--	--	1968	--
148-093-09BBC	Three Affiliated Tribes	510	40	--	4	1950	20	10-00-50	112BGFV	--	--	--	--	1,955
148-093-10CCC	NDSWC 4737	120	109	103	1.25	07-00-74	7.24	07-25-74	125SNLB	3,880	8.1	8.0	08-01-74	1,920
148-093-14CDC	NDSWC 4738	100	63	57	1.25	07-00-74	4.85	07-25-74	125SNLB	5,270	8.3	8.5	08-01-74	1,840
148-093-15ACB	NDSWC 8175	40	--	--	--	1971	--	--	125SNLB	--	--	--	--	1,900
148-093-17BBD	J. McKenzie	--	160	--	4	--	--	--	125SNLB	1,310	7.5	--	08-01-72	2,100
148-093-17BDD	U. Eagle	--	--	--	--	--	--	--	--	2,500	--	--	--	--
148-093-19ABAC	Moreland 1	13,850	--	--	--	02-05-81	--	--	--	--	--	--	--	2,208
148-093-20BCA	Three Affiliated Tribes	450	--	--	--	1950	--	--	--	--	--	--	--	2,211
148-093-23BADB	Hall	--	--	--	--	--	--	--	--	4,510	6.6	9.0	11-20-92	1,890
148-093-31DBD	A. Everett	--	--	--	--	--	--	--	125SNLB	1,560	--	--	--	--
148-093-32CDB	Three Affiliated Tribes	400	--	--	--	1950	--	--	--	--	--	--	--	2,131
148-093-34DBCC	USBM 7	140	--	--	--	08-16-79	--	--	--	--	--	--	--	1,922
148-094-01DDD	NDSWC 8174	80	--	--	--	1971	--	--	125SNLB	--	--	--	--	2,060
148-094-03ABB	Three Affiliated Tribes	450	--	--	--	1950	--	--	--	--	--	--	--	2,366
148-094-03ADAD	USBM 16	110	--	--	--	08-16-79	--	--	--	--	--	--	--	2,300
148-094-13AAD	Three Affiliated Tribes	450	--	--	--	1950	--	--	--	--	--	--	--	2,237
148-094-13BBD	B. Hall	--	30	--	6	--	15	--	125SNLB	1,090	7.5	11.0	07-28-72	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date weter level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
148-094-14AAB	USGS	315	300	290	2	06-23-92	163.47	08-04-92	125TGRV	2,710	8.6	14.0	08-04-92	2,250
148-094-14AACA	USBM 3	200	--	--	--	08-16-79	--	--	--	--	--	--	--	2,254
148-094-14DAC	B. Hall	--	100	--	4	1968	40	--	112BGFV	1,950	--	11.0	07-00-72	--
148-094-15CAD	J. Woundedface	--	--	--	--	--	--	--	125SNLB	693	--	--	--	--
148-094-20AAAB	USBM 2	240	--	--	--	08-16-79	--	--	--	--	--	--	--	2,313
148-094-20DDD	Three Affiliated Tribes	135	134	--	4	--	44	10-00-50	112TILL	1,490	8.0	--	10-12-50	2,308
148-094-23CBD	E. Bateman	--	--	--	--	--	--	--	112BGFV	1,120	--	--	--	--
148-094-25CCC	J. Chase	--	120	--	5	--	--	--	--	--	--	--	--	--
148-094-26DCA	Three Affiliated Tribes	300	290	--	4	--	220	08-00-72	125SNLB	--	--	--	--	2,263
148-094-30BAAD	USBM 1	495	--	--	--	08-07-79	--	--	--	--	--	--	--	2,407
148-094-33ACD	Three Affiliated Tribes	200	147	--	4	--	78	10-00-50	125SNLB	--	--	--	--	2,279
148-094-36ACAA	USBM 4	200	--	--	--	08-16-79	--	--	--	--	--	--	--	2,199
148-095-01DBB	Three Affiliated Tribes	240	224	--	4	--	176	10-00-50	125SNLB	--	--	--	--	2,507
148-095-02BBB	Matt Youngbird	260	225	--	5	03-05-82	190	03-05-82	--	2,600	8.3	14.0	07-20-90	2,500
148-095-03AAA	Daryl Yellowbird	257	247	232	5	12-10-85	176	12-10-85	125TGRV	1,980	8.4	13.0	07-20-90	2,510
148-095-08CABD	Deep Creek 1	14,625	--	--	--	03-31-79	--	--	--	--	--	--	--	2,352
148-095-12DCC1	USGS	300	--	--	--	06-23-92	--	--	--	--	--	--	--	2,450
148-095-12DCC2	USGS	52	51	46	2	06-23-92	21.71	08-03-92	125SNLB	970	8.4	11.5	08-03-92	2,450
148-095-13ADC	Three Affiliated Tribes	400	--	--	--	1950	--	--	--	--	--	--	--	2,444
148-095-18BD	USA Reed Tract	11,843	--	--	--	09-11-60	--	--	--	--	--	--	--	2,426
148-095-22CCA	E. Chase	1,455	1,430	1,372	2	--	+37	04-00-72	211FXHL	3,080	8.1	17.0	04-20-72	1,925
148-095-35BDD	T. Fettig	--	400	--	1.25	--	+13	07-00-72	125TGRV	3,110	8.1	12.0	07-18-72	1,880
149-086-16CA	State 1	7,410	--	--	--	11-27-71	--	--	--	--	--	--	--	2,215
149-087-02DDC1	E. Pederson	--	83	--	24	--	71	09-00-66	--	--	--	--	--	2,147
149-087-02DDC2	E. Pederson	--	100	--	4	1953	65	1953	125SNLB	742	8.2	7.0	09-13-66	2,150

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
149-087-03ADD	A. Austead	--	76	--	36	--	53	09-00-66	125FRUN	--	--	--	--	2,120
149-087-05CDC	J. Suydam	--	87	--	4	--	57	09-00-66	125SNLB	1,010	8.3	9.0	09-13-66	2,100
149-087-05DBD	J. Mattson	--	90	--	4	1950	54	09-00-66	--	--	--	--	--	2,140
149-087-05DCC	Roseglen	--	39	--	24	--	24	09-00-66	--	--	--	--	--	2,100
149-087-06AAA	--	--	44	--	--	--		--	125SNLB	797	8.0	--	10-19-77	--
149-087-06DCC	NDSWC 3616	80	--	--	--	1968	--	--	--	--	--	--	--	2,085
149-087-06DDA	Greg Giffey	100	100	94	4.5	11-05-82	--	--	--	--	--	--	--	2,100
149-087-08ABB1	I. Vangsness	--	220	--	4	--	63	09-00-66	125TGRV	2,220	8.4	10.0	09-13-66	2,110
149-087-08ABB2	Barry Suydam	95	93	73	4.5	05-20-82	40	05-20-82	125SNLB	1,480	6.9	10.0	05-21-90	2,110
149-087-09DAD	A. Kolden	--	140	--	4	1964	55	09-00-66	125SNLB	1,390	8.2	6.0	09-14-66	2,095
149-087-11BCC	V. Rostad	--	89	--	4	--	--	--	125FRUN	--	--	5.5	09-00-66	2,100
149-087-15AAD	R. Haugen	--	190	--	4	1965	54	09-00-66	125FRUN	--	--	7.0	09-00-66	2,090
149-087-17DCD	E. Giffey	--	187	--	--	--	103	09-00-66	125FRUN	--	--	7.0	09-00-66	2,100
149-087-20BBB	NDSWC 5571	60	--	--	--	1969	--	--	--	--	--	--	--	2,070
149-087-21CCD	H. Skeiten	--	94	--	4	1962	74	09-00-66	125FRUN	--	--	--	--	2,035
149-087-25CAB	E. Kerzman	--	85	--	24	--	38	09-00-66	--	--	--	--	--	2,110
149-087-26BCB	Alfred Fines	363	246	196	5	10-13-83	--	--	--	2,280	7.7	11.0	05-21-90	2,080
149-087-27AAB	M. Snippen	--	94	--	24	--	87	09-00-66	--	--	--	6.5	09-00-66	2,060
149-087-27CBB	A. Hill	--	76	--	24	--	63	09-00-66	--	--	--	--	--	2,045
149-087-28ADB	A. Hill	--	84	--	4	1964	57	09-00-66	--	--	--	7.0	09-00-66	2,045
149-087-28DAA	Floyd Hill	106	106	--	4	05-18-72	58	05-18-72	--	--	--	--	--	2,045
149-087-29DDD	K. Hill	--	97	--	4	1963	29	09-00-66	--	--	--	6.5	09-00-66	2,005
149-087-30ADD	NDSWC 5561	320	--	--	--	1969	--	--	112WSLD	--	--	--	--	2,000
149-087-32CCC	NDSWC 3622	440	358	338	1.25	07-00-68	137.86	09-09-68	112WSLD	2,000	8.0	--	07-28-68	2,002
149-087-34ABB	USAF	--	100	--	--	1961	75	05-00-61	112BGFV	--	--	5.5	05-00-61	1,992
149-087-35DCB	R. Kerzman	--	95	--	24	--	6	09-00-66	--	--	--	--	--	2,045
149-088-01CDD	USAF	100	--	--	--	1961	64	07-00-61	112BGFV	--	--	5.5	07-00-61	2,065
149-088-02CDC	R. Vangsness	--	178	--	4	1966	38	--	--	--	--	8.0	08-00-66	2,035
149-088-04DAD	Edwin Spenger	140	140	120	5	04-18-89	41	04-18-89	--	--	--	--	--	1,990
149-088-04DCD	Edwin Spenger	--	53	--	18	1935	32	--	125FRUN	--	--	7.0	08-00-66	1,980

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
149-088-11CDC	USGS	100	--	--	--	06-03-92	--	--	--	--	--	--	--	1,995
149-088-11DAA1	Donald Weigel	--	57	--	24	--	43	--	112BGFV	--	--	7.0	08-00-66	2,040
149-088-11DAA2	Donald Weigel	202	200	180	4.5	08-21-89	32	08-21-89	125SNLB	1,470	7.5	9.0	05-21-90	2,035
149-088-12BAB	Burton Young	180	173	168	4	01-31-76	35	01-31-76	--	1,330	7.3	7.0	05-21-90	2,060
149-088-19BCC	NDSWC 4046	340	161	158	1.25	1970	75	09-00-70	112WSLD	--	--	--	--	1,970
149-088-20CBC	J. Qualley	--	30	--	24	1963	24	--	112BGFV	--	--	6.5	08-00-66	1,980
149-088-21BBB	D. Anderson	--	17	--	6	--	10	08-00-66	112BDVL	--	--	--	--	1,970
149-088-23BBB	V. Weigel	--	80	--	24	--	72	--	112BDVL	--	--	7.0	08-00-66	1,975
149-088-23DAA	Frank Bauman	70	70	60	4.5	04-19-89	16	04-19-89	125SNLB	540	7.3	12.0	05-21-90	1,985
149-088-25CAA	S. Rustad	--	21	--	24	1957	11	--	112BGFV	--	--	6.5	08-00-66	2,000
149-088-26BAB	USGS	390	260	255	2	06-01-92	130.39	07-29-92	112WSLD	1,930	7.1	10.5	08-06-92	1,988
149-088-27BBB	NDSWC 3625	60	--	--	--	1968	--	--	--	--	--	--	--	1,955
149-088-27CCC	USAF	103	--	--	--	1961	87	07-00-61	--	--	--	--	--	2,005
149-088-30BAA	A. Lind	--	44	--	24	1953	32	--	--	--	--	7.0	08-00-66	1,980
149-088-32AAC	E. Kloppedel	575	270	--	4	1942	180	08-00-66	112BDVL	--	--	9.0	08-00-66	2,042
149-088-35AAA	R. Rustad	--	180	--	6	--	177	08-00-66	112BDVL	--	--	--	--	2,000
149-088-35ABB	NDSWC 5560	400	--	--	--	1969	--	--	112WSLD	--	--	--	--	2,025
149-088-35BAA	R. Rustad	--	284	--	5	--	209	08-00-66	112BDVL	--	--	9.0	08-00-66	2,030
149-088-36AAA	NDSWC 3623	300	268	248	1.25	07-00-68	133.88	09-09-68	112WSLD	--	--	--	--	1,985
149-089-01ACB1	Thomas Weinand	--	84	--	4	--	22	--	--	--	--	7.0	07-00-61	--
149-089-01ACB2	Thomas Weinand	--	17	--	36	1962	13	--	112OTSH	--	--	9.5	07-00-66	--
149-089-01BDA	Thomas Weinand	340	260	255	4.5	05-15-79	6	06-15-79	112WSLD	2,120	8.3	10.0	05-15-90	1,915
149-089-02ADA	C. Peterson	--	20	--	48	1956	17	--	112OTSH	--	--	14.0	07-00-66	--
149-089-02BBB	NDSWC 5556	301	263	257	1.25	1969	88.35	11-04-69	112WSLD	3,240	8.1	6.0	10-03-69	1,940
149-089-02DAD	NDSWC 2842	360	--	--	--	1967	--	--	112WSLD	--	--	--	--	1,880
149-089-03BBC	Ron Folden	--	206	--	4	1956	126	07-00-66	125FRUN	--	--	8.0	07-00-66	--
149-089-03BBD	Ron Folden	240	230	210	4.5	11-26-82	100	11-26-82	112WSLD	1,770	7.1	11.5	05-15-90	1,950
149-089-03DAA	Alvin Meyer	220	220	210	4	12-03-73	70	12-03-73	112WSLD	2,720	7.3	9.0	05-15-90	1,935
149-089-04CDC	D. Muhlbradt	110	99	98	4	1947	51	--	112BGFV	--	--	8.0	07-00-66	1,910
149-089-07BAB	C. Miller	--	200	--	4	1963	120	1963	--	--	--	8.0	07-00-66	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Wster level (feet)	Date water level measured	Aqulfer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
149-089-08CBC	NDSWC 3612	80	--	--	--	1968	--	--	--	--	--	--	--	1,860
149-089-09BAB1	NDSWC 2841	100	--	--	--	1967	--	--	112BGFV	--	--	--	--	1,902
149-089-09BAB2	Harvey Billadeau	121	90	90	5	07-18-77	45	07-18-77	125SNLB	1,720	7.0	12.0	05-15-90	1,905
149-089-10AAA	NDSWC 3613	260	--	--	--	1968	--	--	112BGFV	--	--	--	--	1,890
149-089-10AAD	Laquemount Community Club	200	200	190	5	07-19-77	40	07-19-77	112WSLD	--	--	--	--	1,900
149-089-10BBC	NDGS 41	35	18	16	1.25	1967	5.28	09-13-67	112BGFV	4,450	8.0	8.5	05-14-68	1,880
149-089-10CBB1	Leon Billadeau	--	132	--	4	1964	90	--	112WSLD	--	--	9.0	07-00-66	1,942
149-089-10CBB2	Leon Billadeau	400	400	155	4.5	11-16-83	48	11-16-83	112WSLD	1,460	7.2	8.5	05-15-90	1,910
149-089-10CBB3	Leon Billadeau	180	135	115	4.5	09-06-89	47	09-06-89	112WSLD	800	7.3	9.0	05-15-90	1,915
149-089-11BBB1	F. Ludwig	--	21	--	6	1948	13	06-00-66	112WSLD	843	7.8	11.0	06-01-67	--
149-089-11BBB2	F. Tomhave	--	20	7	72	1965	15	--	112WSLD	--	--	7.5	07-00-66	--
149-089-11CBB1	Wayne Zahnow	170	130	--	3	1945	92	--	112WSLD	--	--	7.5	07-00-66	1,942
149-089-11CBB2	Wayne Zahnow	320	280	280	4	07-21-72	55	07-21-72	125TGRV	2,480	8.0	8.5	05-15-90	1,940
149-089-13AAA	NDSWC 4067	420	--	--	--	1970	--	--	112WSLD	--	--	--	--	1,960
149-089-13CDC	Donald Roberts	--	70	--	4	1960	40	--	--	--	--	8.0	07-00-66	--
149-089-13DAA	NDSWC 4049	400	--	--	--	1970	--	--	112WSLD	--	--	--	--	1,960
149-089-14CBB	Donald Roberts	1,370	1,370	1,300	2	05-02-85	+79	05-02-85	211FXHL	2,350	8.5	9.5	05-15-90	1,920
149-089-15AAA	NDSWC 5555	300	--	--	--	1969	--	--	112WSLD	--	--	--	--	1,930
149-089-15DDC	NDSWC 5574	165	--	--	--	1969	--	--	112WSLD	--	--	--	--	1,945
149-089-15DDD	NDSWC 5573	40	--	--	--	1969	--	--	--	--	--	--	--	1,950
149-089-17BAD	Gary Myers	180	160	140	4.5	05-18-82	115	05-18-82	125SNLB	1,470	7.4	11.0	05-22-90	1,940
149-089-18ADB1	Walter Myers	--	112	--	4	1942	81	12-00-42	112BDVL	--	--	--	--	1,935
149-089-18ADB2	Walter Myers	140	125	--	5	09-06-84	90	09-06-84	--	1,410	7.3	10.0	05-22-90	1,930
149-089-18BDA	G. Gilbertson	--	98	--	4	1956	38	--	112BGFV	--	--	8.0	07-00-66	--
149-089-19ADA	AY	167	160	--	2	1916	130	07-00-66	125FRUN	--	--	6.0	07-00-66	1,980
149-089-20CCB	NDSWC 5554	40	--	--	--	1969	--	--	--	--	--	--	--	1,930
149-089-23CCC1	C. Drablos	147	142	142	4	1932	120	10-00-66	125SNLB	1,750	8.3	10.0	10-13-66	2,020
149-089-23CCC2	C. Drablos	165	155	155	4	10-31-72	120	10-31-72	--	1,090	7.0	8.5	05-15-90	2,018
149-089-24AAA	NDSWC 4048	380	172	163	1.25	07-13-70	61.85	07-14-70	112WSLD	2,030	7.6	7.5	07-14-70	1,957
149-089-25AAA	NDSWC 5559	320	--	--	--	1969	--	--	112WSLD	--	--	--	--	1,980

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diam-eter of casing (inches)	Date well con-structed	Water level (feet)	Date water level meas-ured	Aquifer code	Water-quality property: Specific conduc-tence (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temper-eture (degrees) Celsius)	Water-quality property: Date wster-quality proper-ties meas-ured	Altitude of lend surface (feet)
149-089-25ADD	NDSWC 4047	120	--	--	--	1970	--	--	--	--	--	--	--	2,000
149-089-27DBB	E. Moll	--	130	--	2	--	124	07-00-66	--	--	--	8.0	07-00-66	2,035
149-089-28ADA	E. Theobald	--	129	--	4	--	129	07-00-66	125FRUN	--	--	--	--	--
149-089-36BBB1	D. Roberts	--	130	--	4	1963	87.50	05-05-67	125SNLB	811	7.3	8.5	05-04-67	2,015
149-089-36BBB2	NDSWC 2840	100	--	--	--	1967	--	--	--	--	--	--	--	2,035
149-090-01AAA	NDSWC 4070	200	--	--	--	1970	--	--	--	--	--	--	--	1,980
149-090-01AAB	T. Haugan	--	211	--	4	--	121	07-26-66	125FRUN	--	--	--	--	2,010
149-090-04DDD	B. Youngbird	--	170	--	--	1953	--	--	125FRUN	--	--	--	--	1,900
149-090-05AB	Calvert Drlg. Co.	8,650	--	--	--	1956	--	--	--	--	--	--	--	1,980
149-090-05DCC	A. Foote	--	120	--	4	1952	--	--	125FRUN	--	--	8.5	07-00-68	1,900
149-090-11ADA1	E. Foote	245	210	--	4	--	159	10-00-51	125FRUN	--	--	--	--	2,000
149-090-11ADA2	J. Foote	--	199	194	4	1963	40	--	125TGRV	2,010	8.7	11.0	10-12-66	2,000
149-090-11DBC	A. Foote, Sr.	237	237	229	5	1963	210	08-00-66	125FRUN	--	--	9.0	08-00-66	1,920
149-090-12DAD	Arlen Gilbertson	138	108	--	6	05-17-83	68	05-17-83	125SNLB	1,370	7.5	10.5	05-21-90	1,920
149-090-12DDD	Corps. of Engineers	125	118	113	6	03-30-84	28	03-30-84	--	1,730	7.4	15.5	05-21-90	1,885
149-090-24BDA	B. Brugh	--	170	--	5	--	115	1966	125FRUN	--	--	--	--	--
149-090-24CDA	M. Fredericks	175	173	--	2	1953	--	--	125FRUN	--	--	--	--	1,940
149-090-28DDD	NDSWC 5575	60	--	--	--	1969	--	--	125SNLB	--	--	--	--	1,900
149-090-34CCC	NDSWC 5553	380	--	--	--	1969	--	--	112BGFV	--	--	--	--	1,945
149-090-35ABC	--	225	--	--	--	1953	--	--	125FRUN	--	--	--	--	2,000
149-091-08AAA	A. Goodbird	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
149-091-17BAB	Three Affiliated Tribes	400	--	--	--	1950	--	--	--	--	--	--	--	2,177
149-091-18DBCD	USBM 13	200	--	--	--	08-17-79	--	--	--	--	--	--	--	2,090
149-091-22BDCA	S. Birdbear Etal.	13,485	--	--	--	04-29-55	--	--	--	--	--	--	--	2,081
149-091-30CCD	Three Affiliated Tribes	375	--	--	--	1950	--	--	--	--	--	--	--	2,195

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
149-091-31BAA	USGS	305	--	--	--	06-11-92	--	--	--	--	--	--	--	2,200
149-091-33BCC	Three Affiliated Tribes	400	347	--	4	--	217	10-00-50	125TGRV	--	--	--	--	2,010
149-092-08BAAA	USBM 22	200	--	--	--	08-19-79	--	--	--	--	--	--	--	2,180
149-092-10ACAA	Ed Burich	125	125	--	--	06-20-87	68	06-20-87	125TGRV	2,320	7.1	15.0	06-09-90	1,940
149-092-10DABC	James Danke	125	125	105	4	06-26-86	95	06-26-86	--	1,630	6.8	13.0	06-09-90	1,920
149-092-10DCBB	Kevin Stockert	400	389	325	4.5	08-11-89	106	08-11-89	--	2,350	8.1	14.0	06-09-90	2,000
149-092-22CDC	R. Smith	--	40	--	4	--	--	--	125SNLB	772	7.5	9.0	08-02-72	--
149-092-27BBB	S. Whiteowl	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
149-092-29DCC	Three Affiliated Tribes	404	404	--	4	--	88	08-01-72	125SNLB	--	--	--	--	2,184
149-092-30CAB	T. Lonefight	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
149-092-33DDAC	Bull family 1	13,902	--	--	--	02-24-80	--	--	--	--	--	--	--	2,320
149-092-34BBAC	USBM 15	180	--	--	--	08-16-79	--	--	--	--	--	--	--	2,206
149-092-35BDA	P. Baker	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
149-092-36DACD	USBM 12	200	--	--	--	08-17-79	--	--	--	--	--	--	--	2,188
149-093-02ACB	C. Perkins	--	647	627	1.25	1962	+13	08-00-72	125TGRV	2,230	8.0	10.0	08-29-72	1,950
149-093-05ACAD	Two Crow 1-5	14,300	--	--	--	10-14-88	--	--	--	--	--	--	--	2,263
149-093-05CDC	--	--	84	74	1.25	1961	+14	08-00-72	125SNLB	2,620	8.2	9.0	08-28-72	2,030
149-093-08DCC	M. Fox	--	500	--	4	1960	10	--	125TGRV	3,010	8.1	--	08-17-72	2,290
149-093-09ACDA	USBM 24	260	--	--	--	08-20-79	--	--	--	--	--	--	--	2,308
149-093-09CCC	St. Anthony's Church	453	440	380	5	10-03-88	280	10-03-88	125TGRV	3,140	8.1	15.0	06-05-90	2,225
149-093-09CCD	St. Anthony's Church	--	65	--	9	1952	55	--	125SNLB	3,310	7.1	--	08-18-72	--
149-093-10AAA	Three Affiliated Tribes	450	--	--	--	1950	--	--	125TGRV	--	--	--	--	2,297
149-093-11ABBA	USBM 23	220	--	--	--	08-20-79	--	--	--	--	--	--	--	2,243
149-093-12ACC	A. Horn	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
149-093-12BBB	USGS	240	--	--	--	06-11-92	--	--	--	--	--	--	--	2,286

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
149-093-14CCC	Three Affiliated Tribes	450	432	--	4	--	317	10-00-50	125TGRV	--	--	--	--	2,249
149-093-16BDDD	USBM 20	200	--	--	--	08-18-79	--	--	--	--	--	--	--	2,258
149-093-18DDB	Three Affiliated Tribes	465	--	--	4	--	362	10-00-50	125TGRV	--	--	--	--	2,335
149-093-21DCA	E. Wicker	--	35	--	--	--	--	--	125SNLB	652	7.4	10.0	08-17-72	--
149-093-21DCC	R. Birdbear	--	--	--	--	--	--	--	125SNLB	--	--	--	--	--
149-093-23ACD	--	--	34	--	4	--	33	--	125SNLB	--	--	--	--	--
149-093-24AC	Mobil Oil	11,300	--	--	--	--	--	--	--	--	--	--	--	2,131
149-093-24CCDB	USBM 21	200	--	--	--	--	--	--	--	--	--	--	--	2,225
149-093-25DDD	Three Affiliated Tribes	510	147	--	4	--	100	--	125SNLB	--	--	--	--	2,065
149-093-26ADB	USGS	300	--	--	--	06-22-92	--	--	--	--	--	--	--	2,220
149-093-27ABA	H. Youngbird	--	65	--	4	--	--	--	125SNLB	696	7.6	--	08-17-72	--
149-093-34ACA	Three Affiliated Tribes	372	357	--	4	--	288	10-00-50	125SNLB	--	--	--	--	2,121
149-094-07CAD	Three Affiliated Tribes	450	423	385	4	1950	243	10-24-50	--	--	--	--	--	2,267.17
149-094-09ABA	Three Affiliated Tribes	420	--	--	--	1950	--	--	--	--	--	--	--	2,389.02
149-094-09ABCA	Dale Mcgrady	150	150	110	--	05-00-81	90	05-00-81	125SNLB	3,000	7.8	16.5	06-09-90	2,360
149-094-09DDD	USBM 18	220	--	--	--	08-16-79	--	--	--	--	--	--	--	2,338
149-094-12DCCD	USBM 19	180	--	--	--	08-17-79	--	--	--	--	--	--	--	2,300
149-094-14AAA	Three Affiliated Tribes	450	420	398	4	1950	316	10-24-50	--	--	--	--	--	2,305.79
149-094-14BA	Mandaree 3	1,750	1,745	1,600	8	07-21-70	111	08-09-70	211HCFH	2,950	8.4	15.0	06-04-79	2,160
149-094-15ADAB	Mathew Lonefight	--	--	--	--	--	--	--	--	1,330	6.7	8.0	11-20-92	2,180
149-094-16BDAC	Jimmy Stone	200	200	110	4	04-15-81	60	04-15-90	125SNLB	3,400	7.6	10.0	06-05-90	2,270
149-094-21AAD	NDSWC 11352	240	147	144	1.25	09-09-80	--	--	--	--	--	--	--	2,150
149-094-21DD	Fettig D6-1	14,500	--	--	--	12-11-81	--	--	--	--	--	--	--	2,338
149-094-22BBB	NDSWC 11351	140	--	--	--	09-09-80	--	--	125SNLB	--	--	--	--	2,150
149-094-22BCB	NDSWC 11353	80	--	--	--	09-09-80	--	--	125SNLB	--	--	--	--	2,160

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
149-094-25ABC	Three Affiliated Tribes	285	109	--	4	1950	31.8	10-05-50	--	--	--	--	--	2,128.91
149-094-27CB	George Wolf	36	36	28	30	05-19-73	12	05-19-73	125FRUN	--	--	--	--	2,350
149-094-27DAA	Three Affiliated Tribes	450	--	--	--	1950	--	--	125TGRV	--	--	--	--	2,361.23
149-094-28AAA1	USGS	320	295	290	2	06-10-92	189.32	07-30-92	125TGRV	5,610	8.2	14.5	08-03-92	2,300
149-094-28AAA2	USGS	120	120	115	2	06-10-92	73.70	07-30-92	125SNLB	2,010	7.1	13.0	08-03-92	2,300
149-094-28AACC	May Brugh	--	--	--	--	--	--	--	--	2,090	6.9	9.0	11-20-92	2,200
149-094-28CDAB	USBM 17	120	--	--	--	08-16-79	--	--	--	--	--	--	--	2,246
149-094-29ABB	Three Affiliated Tribes	240	224	191	4	1950	75.3	09-20-50	--	--	--	--	--	2,396.76
149-095-03DBDA	L. Henderson Trust 1	14,470	--	--	--	10-28-82	--	--	--	--	--	--	--	2,363
149-095-04ADCC	Gerald Johnson	185	182	--	4	08-16-88	105	08-16-88	125SNLB	1,750	6.4	11.5	06-22-90	2,295
149-095-04CCB	NDSWC 11357	140	--	--	--	09-10-80	--	--	125SNLB	--	--	--	--	2,230
149-095-05DCD	NDSWC 11358	180	--	--	--	09-10-80	--	--	125SNLB	--	--	--	--	2,230
149-095-06ACC	NDSWC 5938	920	883	859	2	06-26-81	314.72	11-00-83	125TGRV	2,950	8.7	11.5	08-19-82	2,258
149-095-06ADDB	George Kummer	80	80	--	5	10-06-79	30	10-06-79	125SNLB	1,120	7.2	11.5	05-16-90	2,258
149-095-06DAA	NDSWC 11359	140	--	--	--	09-11-80	--	--	125SNLB	--	--	--	--	2,250
149-095-08AAC	Mrs. Ole Heim	175	175	--	4	08-31-80	--	--	--	5,080	7.6	11.0	05-16-90	2,235
149-095-08ADA	NDSWC 11356	200	135	132	1.25	09-10-80	90.03	11-00-83	--	--	--	--	--	2,220
149-095-09CDD	NDSWC 6275	1,740	1,564	1,540	2	07-17-84	115.70	05-15-90	211FXHL	2,800	--	10.0	06-23-86	2,226
149-095-15CBB	NDSWC 11354	120	--	--	--	09-10-80	--	--	125SNLB	--	--	--	--	2,220
149-095-16AA	Amerada Hess	9,620	--	--	--	03-15-53	--	--	--	--	--	--	--	2,350
149-095-16DAD	NDSWC 11355	140	--	--	--	09-10-80	--	--	125SNLB	--	--	--	--	2,230
149-095-32ACAC	Katrina 1	13,060	--	--	--	09-20-80	--	--	--	--	--	--	--	2,446
149-095-36DBD	Three Affiliated Tribes	225	223	215	4	1950	156	10-20-50	--	--	--	--	--	2,503.81
150-087-03BAB	NDSWC 5577	50	--	--	--	1969	--	--	--	--	--	--	--	2,150
150-087-16DDA	H. Shafer	--	79	--	24	--	17	08-00-66	--	--	--	--	--	2,140

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property				Altitude of land surface (feet)
										Specific conductance (µS/cm)	pH (units)	Temperature (degrees) Celsius	Date water-quality properties measured	
150-087-20CBC	A. Jorgenson	--	83	--	24	--	36	08-00-66	--	--	--	--	--	2,130
150-087-21AAA	NDSWC 2847	200	--	--	--	1967	--	--	--	--	--	--	--	2,135
150-087-22DAA	J. Akan	--	64	--	24	--	40	08-00-66	--	--	--	8.0	08-00-66	2,185
150-087-27BBB	USAF	--	100	--	--	1961	15	05-00-61	125FRUN	--	--	--	--	2,133
150-087-31DCD	--	--	88	--	--	--	--	--	125SNLB	665	8.3	--	10-19-77	--
150-087-32CBB	NDSWC 2845	40	--	--	--	1967	--	--	--	--	--	--	--	2,105
150-087-32CCD	C. Halvorson	--	80	--	24	--	65	--	--	--	--	7.0	08-00-66	2,185
150-087-33BAA	NDSWC 2846	60	--	--	--	1967	--	--	125SNLB	--	--	--	--	2,125
150-087-34AAD	E. Austad	--	42	--	24	--	32	--	112BGFV	--	--	7.0	08-00-66	2,145
150-088-01DDD	USAF	102	102	--	--	1961	75	06-00-61	125FRUN	--	--	5.5	06-00-61	2,169
150-088-02CBC	I. Moss	--	45	--	24	1950	31	08-00-66	--	--	--	6.5	08-00-66	2,130
150-088-03CDD	E. Moss	--	180	--	5	1913	100	08-00-66	125FRUN	--	--	9.0	08-00-66	2,120
150-088-05DAA	N. Rue	--	80	--	24	1950	55	--	125FRUN	--	--	9.0	08-00-66	2,100
150-088-07DBB	J. Harney	--	41	--	18	1913	28	08-00-66	125FRUN	--	--	--	--	2,030
150-088-08BCB	S. Ring	--	50	--	24	--	20	08-00-66	125FRUN	--	--	7.5	08-00-66	2,030
150-088-09BBBD	Forsman 1-9	7,941	--	--	--	03-10-81	--	--	--	--	--	--	--	2,077
150-088-13CBC	W. Lembcke	--	97	--	18	--	76	08-00-66	--	--	--	--	--	2,140
150-088-15CBB	G. Rudie	--	225	--	6	1912	160	08-00-66	125FRUN	--	--	9.0	08-00-66	2,055
150-088-16CCD	NDSWC 3614	160	--	--	--	1968	--	--	112BGFV	--	--	--	--	1,990
150-088-18ADD1	Thomas Diffely	65	58	58	4	1952	33	10-00-66	125SNLB	1,630	8.5	8.0	10-11-66	2,030
150-088-18ADD2	Thomas Diffely	--	65	--	4	1952	35	--	125FRUN	--	--	7.5	08-00-66	2,025
150-088-18ADD3	Thomas Diffely	64	64	60	6	05-18-83	40	05-18-83	--	1,170	7.1	8.5	05-23-90	2,030
150-088-24CCC	NDSWC 2844	80	--	--	--	1967	--	--	--	--	--	--	--	2,085
150-088-25BAA	W. Braasch	--	55	--	5	--	43	08-00-66	--	--	--	--	--	2,095
150-088-27DAA	J. Amundson	--	40	--	24	1956	20	--	--	--	--	7.5	08-00-66	2,050
150-088-28DDD	NDSWC 3615	80	--	--	--	1968	--	--	--	--	--	--	--	1,990
150-088-29CCD	R. Hauge	--	16	--	24	--	10	--	--	--	--	6.5	08-00-66	1,950
150-088-29CDC	NDSWC 2843	180	--	--	--	1967	--	--	--	--	--	--	--	1,940
150-088-29DAD	Randy Jorgenson	260	250	220	6.25	05-20-88	55	05-20-88	125TGRV	1,800	8.6	9.5	05-23-90	2,000
150-088-33ADD	Michael Slind	192	192	152	5	04-11-89	34	04-11-89	--	930	7.9	8.0	05-23-90	2,010

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
150-088-34ABA	Gary Slind	220	210	171	5	05-17-90	24.68	05-23-90	--	--	--	--	--	2,020
150-088-34CCC	Leroy Slind	200	190	160	4.5	09-05-89	52	09-05-89	--	1,110	8.2	9.5	05-23-90	2,020
150-088-35BAB	H. Olson	--	64	--	24	1916	56	--	--	--	--	--	--	2,060
150-089-01BCB	O. Paulson	--	140	--	5	1923	100	07-00-66	--	--	--	7.5	07-00-66	--
150-089-04DCA	C. Carlson	--	125	--	5	1914	105	07-00-66	112BGFV	--	--	7.5	07-00-66	--
150-089-06ADA	H. Lunde	--	90	--	12	--	21	07-00-66	--	--	--	--	--	--
150-089-06BBC	Donald Needham	117	117	103	4	12-09-78	74	12-09-78	125SNLB	1,170	7.2	11.0	05-23-90	2,190
150-089-08DDD	L. Wahner	--	310	--	6	1964	270	07-00-66	125FRUN	--	--	8.0	07-00-66	--
150-089-09CCC	J. Binkley	254	245	245	4	--	237	--	125FRUN	--	--	--	--	2,130
150-089-12BBCA	Pavlson 12-11	7,987	--	--	--	11-28-78	--	--	--	--	--	--	--	2,004
150-089-13CBC	A. Hendrickson	--	38	--	24	1960	26	09-00-60	112BGFV	--	--	--	--	--
150-089-13CDD	USGS	180	--	--	--	06-02-92	--	--	--	--	--	--	--	1,992
150-089-14ADD	Paul Hendrickson	56	56	44	5	07-25-89	12	07-25-89	125SNLB	1,100	7.2	17.5	05-23-90	1,980
150-089-15ADA	T. Oderman	--	180	--	4	1964	140	1964	125FRUN	--	--	--	--	--
150-089-19CDD	I. Avery	75	70	70	4	1957	54	10-00-66	125FRUN	--	--	11.0	10-00-66	2,050
150-089-20DCC	O. Oau	--	44	--	24	1915	29	--	125FRUN	--	--	--	--	--
150-089-22DDA	W. Veum	71	53	53	6	1945	12	07-00-45	125FRUN	--	--	7.5	10-00-66	1,980
150-089-23DCB1	H. Folden	--	74	--	12	--	4	07-00-66	--	--	--	7.5	07-00-66	--
150-089-23DCB2	H. Folden	--	27	--	6	--	5	--	--	--	--	--	--	--
150-089-25BDDB	Hendrickson 1-25	7,986	--	--	--	04-23-82	--	--	--	--	--	--	--	1,970
150-089-25CBB	P. Peisar	82	82	--	6	1945	47	03-00-45	112BGFV	--	--	--	--	1,960
150-089-26AAA	NDSWC 5558	100	--	--	--	1969	--	--	--	--	--	--	--	1,965
150-089-26BCC	P. Peisar	52	45	45	6	1945	33	03-00-45	125SNLB	3,350	8.5	6.5	10-11-66	1,945
150-089-31BCC	NDSWC 4069	360	278	238	1.25	1970	117.86	07-28-70	112WSLD	1,980	7.9	7.5	07-27-70	1,965
150-089-31DAA	A. Johnson	--	126	--	6	--	114	07-00-66	112WSLD	861	7.3	7.5	11-07-90	--
150-089-32DAA	NDSWC 5557	234	224	218	1.25	1969	117.21	11-04-69	112WSLD	1,490	8.0	4.0	10-24-69	1,972
150-089-33BCC	W. Myers	232	227	227	4	--	143	--	112WSLD	--	--	--	--	1,980
150-089-34AAA	NDSWC 5572	60	--	--	--	1969	--	--	--	--	--	--	--	1,935
150-089-34DDD	R. Folden	135	132	132	4	1948	--	--	112WSLD	--	--	--	--	1,940
150-090-01BCBD	Tribal 1-1	14,282	--	--	--	11-06-80	--	--	--	--	--	--	--	2,190

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property				Altitude of land surface (feet)
										Specific conductance (µS/cm)	pH (units)	Temperature (degrees Celsius)	Date water-quality properties measured	
150-090-03CDD	L. Grove	--	80	--	18	1928	64	09-00-66	112WSLD	--	--	6.5	07-00-66	--
150-090-12BBB1	W. Conklin	180	180	--	--	1952	--	--	125FRUN	--	--	--	--	2,180
150-090-12BBB2	W. Conklin	--	112	--	4	1963	97	--	--	--	--	--	--	2,180
150-090-12DAA	D. Olson	107	105	--	4	1951	85	--	125FRUN	--	--	7.5	07-00-66	2,165
150-090-13ACA	M. Necklace	305	298	--	4	--	218	10-00-51	125FRUN	--	--	--	--	2,105
150-090-13ADA	M. Necklace	141	122	117	4	1963	--	--	125FRUN	--	--	--	--	2,085
150-090-13ADD	M. Necklace	--	10	--	--	1952	--	--	--	--	--	--	--	2,075
150-090-16CBB	USBIA	405	405	--	--	--	--	--	--	--	--	--	--	2,042
150-090-16CCC	NDSWC 3611	400	--	--	--	1968	--	--	112WSLD	--	--	--	--	2,040
150-090-17CBA	B. Conklin	--	205	--	4	1963	--	--	--	--	--	--	--	--
150-090-17CCC	NDSWC 4072	320	--	--	--	1970	--	--	112WSLD	--	--	--	--	1,990
150-090-19AAC	C. Whitman	--	80	75	4	1963	18	--	112WSLD	--	--	--	--	1,855
150-090-19ADB	Carl Whitman, Jr.	82	82	77	5	10-01-81	45	10-01-81	112WSLD	1,580	7.0	10.5	11-07-90	1,930
150-090-20BDB	F. Young	--	240	--	4	1963	190	1963	112WSLD	--	--	--	--	--
150-090-21BC	USBIA	312	--	--	--	--	--	--	112WSLD	--	--	--	--	2,026
150-090-21CB	USBIA	--	312	--	--	--	--	--	112WSLD	--	--	--	--	2,026
150-090-21CBB	USBIA	--	246	--	4	1952	--	--	112WSLD	1,730	8.4	--	10-12-66	2,018
150-090-22CCC	E. Kerzman	330	297	--	4	--	216	08-00-51	112WSLD	--	--	--	--	2,045
150-090-24AAAB	USGS	40	--	--	--	06-02-92	--	--	--	--	--	--	--	2,039
150-090-24DDD	L. Benno	--	40	--	--	1952	--	--	--	--	--	--	--	2,030
150-090-25DAA1	T. Bluestone	260	258	--	4	--	172	08-00-51	125SNLB	--	--	--	--	2,005
150-090-25DAA2	T. Bluestone	--	225	--	4	1963	--	--	125SNLB	1,630	8.4	--	10-13-66	2,000
150-090-25DAA3	NDSWC 4068	300	--	--	--	1970	--	--	125FRUN	--	--	--	--	2,010
150-090-25DAD	J. Grady	207	200	195	4	1963	--	--	125FRUN	--	--	--	--	2,000
150-090-28DDC	L. Holtan	265	255	--	4	--	174	08-00-51	125FRUN	--	--	--	--	2,005
150-090-29ADA	L. Holtan	--	169	--	--	1954	--	--	--	--	--	--	--	2,025
150-090-32ACB1	G. Foote, Sr.	--	45	--	--	1953	--	--	125FRUN	--	--	--	--	2,010
150-090-32ACB2	G. Foote, Sr.	--	45	25	24	1965	27	09-00-65	125FRUN	--	--	6.5	07-00-66	2,040
150-090-32CDC	J. Foote	--	210	--	--	1953	--	--	125FRUN	--	--	--	--	2,040
150-090-32CDD	J. Whitebody	--	200	196	2	1963	14	09-00-63	125FRUN	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer coda	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
150-090-32DC	USBIA	500	--	--	--	1952	--	--	--	--	--	--	--	2,000
150-090-33BDC	C. Bearstail	--	132	119	2	1963	--	--	--	--	--	--	--	--
150-090-33DCA	A. Giese	185	183	178	4	1963	160	1963	125FRUN	--	--	--	--	1,980
150-090-36AAA	NDSWC 4071	380	299	259	1.25	07-22-70	152.92	07-28-70	112WSLD	2,310	7.9	10.0	07-28-70	1,998
150-090-36ADD	L. Bryn	--	225	--	--	1952	--	--	112WSLD	--	--	--	--	1,975
150-091-35CCA	Three Affiliated Tribes	--	126	--	4	--	60	--	125SNLB	1,440	7.3	10.0	11-08-50	--
150-092-02ABA	Three Affiliated Tribes	405	383	377	4	1951	150.82	08-14-51	125TGRV	--	--	--	--	1,932.9
150-092-04AADC	Charlotte Driver	--	--	--	--	--	--	--	--	1,170	6.6	9.0	11-19-92	1,960
150-092-08DDCA	Adeline Brunsell	--	--	--	--	--	--	--	--	1,250	6.8	9.5	11-19-92	1,960
150-092-12BBDA	Perry Brady	120	120	--	--	07-25-84	60	07-25-84	125SNLB	1,740	7.0	12.5	05-22-90	2,020
150-092-12CAB	Perry Brady & Russell Bird	121	120	100	4	07-25-84	60	07-25-84	125SNLB	--	--	--	--	2,030
150-092-14ABD	Three Affiliated Tribes	362	362	--	4	1951	155	08-00-51	125TGRV	--	--	--	--	1,950
150-092-20ABAC	Apache-Grace 1-20	13,900	--	--	--	04-22-80	--	--	--	--	--	--	--	2,126
150-093-01DDA	Three Affiliated Tribes	330	296	270	4	1951	223.90	08-14-51	125TGRV	--	--	--	--	2,177.6
150-093-02ADC	Three Affiliated Tribes	405	--	--	--	1951	--	--	125TGRV	--	--	--	--	2,141.7
150-093-02CBB	Three Affiliated Tribes	495	--	--	--	1951	--	--	125TGRV	--	--	--	--	2,166.8
150-093-04BD	Fort Berthold Allottees-A	12,609	--	--	--	09-29-66	--	--	--	--	--	--	--	2,183
150-093-11BAA	Three Affiliated Tribes	405	--	--	--	1951	--	--	125TGRV	--	--	--	--	2,224.2
150-093-31ADD	Three Affiliated Tribes	--	336	316	1.25	1961	+21	08-00-72	125TGRV	2,530	8.2	9.0	08-28-72	1,860
150-093-33CAA	W. Face	--	388	368	1.25	1960	+23	08-00-72	125TGRV	2,320	8.3	10.5	08-28-72	1,950

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
150-094-15ABC	Nick Fox	414	414	393	1.25	1962	+17.7	08-29-72	125TGRV	--	--	11.5	08-29-79	1,920
150-094-16ACC1	NDSWC 11360	40	--	--	--	09-11-80	--	--	125SNLB	--	--	--	--	1,860
150-094-16ACC2	NDSWC 11361	40	--	--	--	09-11-80	--	--	125SNLB	--	--	--	--	1,860
150-094-19DDDA	Veronica Serdahl	830	830	790	4	04-21-89	295	04-21-89	125TGRV	3,150	7.3	15.0	06-23-90	2,180
150-094-21ABA	Youngwolf	380	380	362	1.25	1964	+2.5	1964	125TGRV	--	--	10.5	1964	2,020
150-094-22CBA	Youngwolf	327	327	306	1.5	1964	--	--	125TGRV	--	--	9.5	08-29-72	1,980
150-094-23DBAC	Bear Den Bay 1	14,567	--	--	--	04-20-81	--	--	--	--	--	--	--	2,198
150-094-28ADA	Three Affiliated Tribes	420	414	360	4	1950	287	10-20-50	125TGRV	--	--	--	--	2,266.0
150-094-32CCB	Three Affiliated Tribes	420	391	380	4	1950	359	10-24-50	125TGRV	--	--	--	--	2,372.08
150-094-33ACC	USGS	235	--	--	--	06-09-92	--	--	--	--	--	--	--	2,290
150-094-33CB	Occidental	11,600	--	--	--	12-20-64	--	--	--	--	--	--	--	2,320
150-094-35ACB	Three Affiliated Tribes	420	368	345	4	1950	250	10-20-50	125TGRV	--	--	--	--	2,244.1
150-095-05BBA1	Texaco Inc.	158	150	--	4.5	03-02-82	--	--	--	6,640	7.5	11.5	05-17-90	2,385
150-095-05BBA2	Texaco Inc.	1,460	--	--	--	--	--	--	211FXHL	--	--	--	--	2,380
150-095-08BDBD	Texaco Inc.	1,580	1,560	--	7	07-15-83	220	07-15-83	211FXHL	2,260	8.7	25.5	05-17-90	2,319
150-095-09BAAB	Robert Olson	150	146	--	5	09-01-82	47	09-01-82	125SNLB	--	--	--	--	2,220
150-095-09DBDC	Amerada Hess	260	260	--	--	02-04-84	80	02-04-84	125TGRV	4,250	7.5	10.5	06-08-90	2,290
150-095-10DCBD	W. Wheeler 1	9,324	--	--	--	06-13-58	--	--	--	--	--	--	--	2,213
150-095-13CBCD	Dean Levang	65	65	--	4	05-19-88	40	05-19-88	--	1,060	7.1	8.5	05-16-90	2,070
150-095-13DCC	Three Affiliated Tribes	510	222	220	4	1950	150	05-19-88	--	--	--	--	--	2,169.58
150-095-14DCB	Carole Berwald	35	35	20	5	12-13-72	20	08-18-50	125SNLB	1,180	7.3	9.5	07-10-79	2,080
150-095-16CC	Amerada Hess	9,340	--	--	--	06-06-53	--	12-13-72	--	--	--	--	--	--
150-095-17CACA	Gordon Levang	172	172	--	4	06-01-81	150	--	--	2,150	7.8	11.0	05-17-90	2,280
150-095-18DCD	NDSWC 11545	120	--	--	--	05-05-81	--	06-01-81	125SNLB	--	--	--	--	2,250
150-095-21CCAC	Berwald Federal 11-21	12,827	--	--	--	01-06-85	--	--	--	--	--	--	--	2,313

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
150-095-22AAC	David Jones	137	137	--	5	08-08-85	92	--	--	1,470	7.7	9.5	05-17-90	2,185
150-095-29CAC	Lillian Kummer	240	240	206	5	08-23-75	175	08-08-85	125SNLB	4,100	7.2	11.0	07-10-79	2,300
150-095-32AACD	James Henderson	270	265	--	4	05-01-84	190	08-23-75	--	4,850	8.2	11.5	05-16-90	2,290
151-087-03ADD	J. Wiile	--	210	--	6	1943	150	05-01-90	125FRUN	--	--	--	--	--
151-087-08BB	USAF	--	101	--	3	1961	32	04-00-64	112TILL	--	--	6.0	05-00-61	2,126
151-087-15BAA	USGS	--	210	--	4	1966	--	05-00-61	--	--	--	--	--	2,120
151-087-15CDD	USGS	--	160	--	4	1966	--	--	--	--	--	--	--	2,130
151-087-15DCC	G. Warner	--	11	--	24	1917	6	--	112OTSH	--	--	--	--	--
151-087-17DDC	A. Enockson	--	180	--	6	1915	50	05-00-66	125FRUN	--	--	--	--	--
151-087-20AAC	A. Enockson	--	280	--	5	--	51	04-00-64	125FRUN	--	--	--	--	--
151-087-33DAA	USGS	130	--	--	--	--	--	05-00-64	--	--	--	--	--	2,130
151-088-01ABA1	Arthur O'Berg	--	180	--	6	1934	52	--	125FRUN	--	--	--	--	2,095
151-088-01ABA2	Arthur O'Berg	200	200	--	4	09-26-81	40	06-01-66	125SNLB	2,960	7.2	7.5	05-16-90	2,095
151-088-08AAA	USGS	120	120	--	--	1966	--	09-26-81	125SNLB	4,560	8.2	--	11-01-77	2,120
151-088-08DAA	C. Wells	--	25	--	48	--	6	--	112OTSH	--	--	5.0	06-00-66	--
151-088-09AAB	H. Schenfisch	--	16	--	48	1924	2	06-00-66	112OTSH	--	--	3.0	06-00-66	--
151-088-09ABB	H. Schenfisch	--	64	--	24	1924	34	06-00-66	--	--	--	6.5	06-00-66	--
151-088-11AAA	N. Mcguire	--	196	--	4	1915	51	--	125FRUN	--	--	6.5	06-00-66	--
151-088-12ABB	USGS	120	--	--	--	1966	--	06-00-66	125SNLB	--	--	--	--	2,110
151-088-12BBA1	P. Rau	--	20	20	24	1952	5	--	112OTSH	--	--	--	--	--
151-088-12BBA2	P. Rau	--	20	--	36	1914	8	--	112OTSH	--	--	--	--	--
151-088-14BAD	B. Blowers	--	19	--	24	1957	8	--	--	--	--	--	--	--
151-088-18ADAC	A. Chinburg 1	7,940	--	--	--	12-23-73	--	--	--	--	--	--	--	2,113
151-088-18DAD	R. Perry	--	100	--	4	1956	--	--	125FRUN	--	--	6.5	06-00-66	--
151-088-23DDA	O. Schenfisch	--	20	--	2	--	10	--	--	--	--	--	--	--
151-088-24CCC	J. Knutson	--	20	--	18	1964	10	--	--	--	--	--	--	--
151-088-24DAA	W. Schenfisch	--	30	--	18	--	8	--	--	--	--	--	--	--
151-088-25BBA	H. Markwardt	--	14	--	24	--	9	--	--	--	--	--	--	--
151-088-25BBB1	H. Markwardt	--	35	--	4	--	25	--	--	--	--	--	--	--
151-088-25BBB2	H. Markwardt	--	280	--	6	--	80	--	125FRUN	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
151-088-25CCC	Orlan Schenfisch	70	70	62	24	11-28-81	55	11-28-81	--	--	--	--	--	2,155
151-088-25CCD	Orlan Schenfisch	--	20	--	30	--	4	--	--	--	--	--	--	--
151-088-27DDD1	D. Mcguire	--	140	--	5	--	40	--	--	--	--	--	--	--
151-088-27DDD2	D. Mcguire	--	175	--	6	--	50	--	--	--	--	--	--	--
151-088-28DAA	L. Christens	--	190	--	4	1914	145	--	--	--	--	--	--	--
151-088-29AAA	L. Peterson	--	80	--	24	1919	47	06-00-66	--	--	--	--	--	--
151-088-29ADA	W. Zieman	--	100	--	6	--	--	--	--	--	--	--	--	--
151-088-29BBB	USGS	80	--	--	--	1967	--	--	125SNLB	--	--	--	--	2,120
151-088-31BBC	J. Bensch	--	73	--	4	--	50	--	--	--	--	--	--	--
151-088-33BBA	Onsgard Bros.	--	160	149	4	1956	--	--	125SNLB	3,000	8.3	8.0	06-06-66	--
151-088-34AAA	F. Zieman	--	87	--	12	1917	80	--	--	--	--	6.0	06-00-66	--
151-089-01DAA	V. Onstad	--	83	--	4	1949	59	--	125FRUN	--	--	6.5	06-00-66	--
151-089-04ABA	L. Paetz	--	122	--	18	1915	85	06-00-66	125FRUN	--	--	--	--	--
151-089-04ABD	L. Paetz	--	226	--	5	1964	136	--	125TGRV	5,410	8.2	8.0	05-15-67	--
151-089-04BBA	D. Schempp	--	116	--	14	1912	--	--	125FRUN	--	--	7.0	06-00-66	--
151-089-05DCC1	G. Andes	--	96	--	18	1912	69	06-00-66	125SNLB	--	--	7.0	06-00-66	--
151-089-05DCC2	G. Andes	--	80	68	4	1962	72	--	125SNLB	--	--	--	--	--
151-089-07BDB	W. Nelson	--	42	--	6	--	30	--	--	--	--	--	--	--
151-089-07DCD	D. Baardson	--	124	--	--	1919	--	--	--	--	--	6.5	06-00-66	--
151-089-10CDC1	W. Hance	--	46	--	24	1918	20	--	--	--	--	5.0	06-00-66	--
151-089-10CDC2	W. Hance	--	60	--	5	1960	15	--	--	--	--	--	--	--
151-089-11CCC	R. Knutson	--	46	--	16	1929	20	--	--	--	--	6.0	06-00-66	--
151-089-12ADD	W. Hance	--	14	--	72	--	5	06-00-66	--	--	--	4.5	06-00-66	2,120
151-089-13DAA	H. Andes	--	65	--	18	1914	27	06-00-66	--	--	--	--	--	--
151-089-14DDC	J. Jenson	--	50	--	5	1958	20	--	112BGFV	--	--	--	--	--
151-089-18BBA	L. Ehlert	--	151	--	5	--	130	--	--	--	--	--	--	--
151-089-19CCC	L. Erickson	--	110	--	4	1951	70	--	--	--	--	--	--	--
151-089-24BBA	R. Andes	--	227	--	4	--	140	--	125FRUN	--	--	--	--	--
151-089-25BBCA	B. Nordquist	8,018	--	--	--	11-22-89	--	--	--	--	--	--	--	2,089
151-089-25DAA	H. Peterson	--	58	--	24	--	32	--	--	--	--	6.0	06-00-66	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
151-089-30BBB1	E. Wahner	--	110	--	4	1932	38	06-00-66	125FRUN	--	--	6.0	06-00-66	--
151-089-30BBB2	E. Wahner	--	98	--	5	1962	57	06-00-66	125FRUN	--	--	--	--	--
151-089-30DDD	W. Vorwerk	--	100	--	4	1917	50	--	--	--	--	5.0	06-00-66	--
151-089-31DCA	J. Woken	--	36	--	18	1921	7	06-00-66	112BGFV	--	--	4.5	06-00-66	--
151-089-33DDC	E. Anerud	--	127	--	4	1917	110	--	--	--	--	--	--	--
151-089-34ABBD	K. Thompson 1	8,100	--	--	--	06-04-81	--	--	--	--	--	--	--	2,127
151-089-34ADD	K. Steele	--	86	--	6	1901	40	--	--	--	--	6.0	06-00-66	--
151-089-34DAA	K. Steele	--	40	--	24	1960	20	--	--	--	--	6.0	06-00-66	--
151-089-36DDD	USGS	140	--	--	--	1966	--	--	125SNLB	--	--	--	--	2,080
151-090-03ABB	A. Hedberg	--	96	--	6	1924	52	--	112BGFV	--	--	6.5	06-00-66	--
151-090-03BAA	NDSWC	52	52	--	--	--	--	--	125TGRV	--	--	--	--	1,890
151-090-03CCC	Parshall	107	--	100	1.25	--	80.2	04-03-84	--	--	--	--	--	2,045
151-090-05BBB	R. Brendle	--	154	--	6	--	--	--	--	--	--	--	--	--
151-090-05CBB	C. Johnson	--	140	--	4	1963	105	--	--	--	--	--	--	--
151-090-06DAD	Parshall	160	--	--	--	04-03-84	--	--	--	--	--	--	--	2,010
151-090-08DAD1	P. Hilleren	--	27	27	18	1941	24	--	125FRUN	--	--	--	--	--
151-090-08DAD2	P. Hilleren	--	13	12	18	1944	11	06-00-66	125FRUN	--	--	6.0	06-00-66	--
151-090-09BBB	Parshall	160	84	79	1.25	04-03-84	65	04-03-84	--	--	--	--	--	2,025
151-090-11AAB	Timothy Nelson	125	124	94	5	06-05-84	75	06-05-84	--	1,560	7.4	9.0	05-18-90	2,045
151-090-13BA	Bartelson-State 1	8,609	--	--	--	03-21-68	--	--	--	--	--	--	--	2,102
151-090-14ABDD	J. Bartelson	--	--	--	--	--	--	--	--	1,620	7.5	8.5	11-19-92	2,085
151-090-14ACA1	J. Bartelson	--	18	--	4	1960	7	--	125FRUN	--	--	--	--	--
151-090-14ACA2	J. Bartelson	--	18	--	4	1949	7	--	125FRUN	--	--	5.5	06-00-66	--
151-090-16BAB	C. Vanhorn	--	165	--	3	1920	150	--	125SNLB	1,930	8.1	7.0	06-06-68	--
151-090-19BAA	Thomas Waldock	358	241	221	5	07-09-85	180	07-09-85	125TGRV	2,530	8.7	13.5	05-17-90	2,110
151-090-20DAD1	B. Waldock	--	50	--	24	1926	--	--	125FRUN	--	--	5.5	06-00-66	--
151-090-20DAD2	B. Waldock	--	235	231	3	1954	221	--	125FRUN	--	--	--	--	--
151-090-25BAA	Robert Diffely, Jr.	180	175	107	8	10-13-84	85	10-13-84	125SNLB	1,210	8.6	8.0	05-17-90	2,190
151-090-25DDA	E. May	--	110	--	5	--	50	--	112BGFV	--	--	--	--	--
151-090-26DDD	USGS	140	--	--	--	1966	--	--	--	--	--	--	--	2,190

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feat)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
					5									
151-090-29BBC	Thomas Miller	1,620	1,620	1,590		10-19-82	125	10-19-82	211FXHL	2,980	8.4	8.0	05-17-90	2,150
151-090-30AA	E. Shultz	--	325	--	2	--	305	--	--	--	--	--	--	--
151-090-31AAA	C. Spitzer	--	15	--	36	--	10	08-00-50	--	--	--	--	--	--
151-090-32BAC	J. Waldock	--	48	--	24	--	30	--	--	--	--	--	--	--
151-090-32DDA	J. Starvas	--	98	--	2	--	10	--	--	--	--	--	--	--
151-090-33DBD	A. Kohls	--	108	--	12	--	103	08-00-50	--	--	--	--	--	--
151-090-35BAA	P. Broste	--	146	--	6	1950	118	--	125FRUN	--	--	--	--	--
151-090-36ADD	Randy Myers	65	58	26	5	10-16-84	27	10-16-84	--	1,110	7.5	14.0	10-16-84	2,175
151-090-36BAD	W. Schoeder	--	112	--	6	1925	72	--	112BGFV	--	--	--	--	--
151-090-36DDA	G. Solomonson	--	115	--	6	1942	69	06-00-66	125SNLB	784	8.0	7.0	04-20-67	--
151-091-01BAA	Parshall	135	124	114	1.25	04-04-84	8.4	04-04-84	--	--	--	--	--	1,895
151-091-01BBC	L. Anton	--	80	--	30	--	60	--	--	--	--	--	--	--
151-091-02BDC1	Wollenschlager	--	126	--	4	1962	37	--	125FRUN	--	--	8.0	06-00-66	--
151-091-02BDC2	Wollenschlager	--	122	--	4	1965	37	--	125FRUN	--	--	--	--	--
151-091-02CDC	Mountrail County	85	85	65	4.5	07-24-84	26	07-24-84	--	--	--	--	--	1,875
151-091-11BAA1	Ralph Brendle	65	65	60	4.5	09-17-82	27	09-17-82	--	--	--	--	--	1,875
151-091-11BAA2	Ralph Brendle	70	70	60	4.5	07-24-84	27	07-24-84	--	--	--	--	--	1,875
151-091-11BBB1	Ralph Brendle	--	160	154	4	1956	--	--	--	--	--	7.0	06-00-66	1,880
151-091-11BBB2	Ralph Brendle	160	120	110	5	05-06-80	50	05-06-80	--	2,230	7.3	11.0	05-17-90	1,880
151-091-11BBC	Ralph Brendle	1,340	1,340	1,290	2	04-15-85	--	--	211FXHL	3,380	8.3	10.0	05-17-90	1,880
151-091-11CDD	Dennis Keller	175	173	144	5	06-21-85	140	06-21-85	125TGRV	3,200	8.3	--	05-17-90	1,935
151-091-12BBA1	Lakeview Development	360	198	186	5	06-10-85	140	06-10-85	125TGRV	1,480	8.3	9.0	05-17-90	1,900
151-091-12BBA2	Lakeview Development	194	186	174	5	06-13-85	50	06-13-85	--	--	--	--	--	1,880
151-091-26CAA	C. Lee	--	85	--	4	1917	40	--	125FRUN	--	--	--	--	--
151-092-03CCC	USGS	300	--	--	--	1967	--	--	125TGRV	--	--	--	--	1,900

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
151-092-04BAB	J. Host	--	152	--	4	1927	145	--	112BGFV	--	--	7.5	10-00-66	--
151-092-06AAD	L. Anderson	--	150	--	4	1920	135	--	112BGFV	--	--	7.5	10-00-66	--
151-092-08BBB	USGS	220	--	--	--	1967	--	--	125TGRV	--	--	--	--	1,925
151-092-15ADD	D. Littlefield	--	265	--	6	--	120	--	--	--	--	8.0	10-00-66	--
151-092-15BBB	M. Sand	--	65	--	4	1964	60	--	112BGFV	--	--	--	--	--
151-092-22DDD	USGS	240	--	--	--	1967	--	--	125TGRV	--	--	--	--	1,900
151-092-23CCA	L. Lund, Sr.	--	125	--	4	--	44	10-00-66	125FRUN	--	--	--	--	--
151-092-28ABAB	Lawrence Schuelke	200	200	160	5	07-20-82	120	07-20-82	125TGRV	2,380	8.2	11.5	05-22-90	1,940
151-092-30ABC	L. Stout	--	26	--	15	1925	14	10-00-66	112SANISH	--	--	7.0	10-00-66	--
151-092-30ADD	USGS	240	210	205	2	06-04-92	50.00	07-29-92	112SANISH	1,460	7.2	11.0	08-05-92	1,898
151-092-31AAA	USGS	60	--	--	--	1967	--	--	125SNLB	--	--	--	--	1,970
151-092-31BDD	O. Hanson	--	62	--	24	--	51	--	--	--	--	--	--	--
151-092-33CDC	M. Niva	--	44	--	24	--	7	--	--	--	--	--	--	--
151-092-34DAA	USGS	200	138	118	1.25	1966	73.83	09-02-66	112SANISH	727	8.1	8.5	09-02-66	1,891
151-093-02ADCA	Sam Uran	193	185	--	5	07-27-81	155	07-28-81	125SNLB	1,400	6.8	12.5	05-21-90	2,130
151-093-03DAD	L. Pennington	--	109	--	4	1963	84	10-00-66	125FRUN	--	--	8.0	10-00-66	--
151-093-03DBD	L. Pennington	--	30	--	24	1948	16	10-00-66	125FRUN	--	--	6.5	10-00-66	--
151-093-09ACB	C. Shobe	--	180	170	4	1954	160	--	125FRUN	--	--	--	--	--
151-093-09DBA	C. Shobe	--	38	--	1.25	1960	30	--	112OTSH	--	--	--	--	--
151-093-10AAAB	Raymond Pennington	421	421	--	5	07-27-81	360	07-27-81	125TGRV	2,570	8.8	14.5	05-21-90	2,164
151-093-10BAB	Raymond Pennington	275	266	226	5	08-10-88	220	08-10-88	125TGRV	2,840	9.0	12.5	05-21-90	2,020
151-093-14DAB	Orvin Wolding	--	50	--	24	--	38	--	125FRUN	--	--	--	--	--
151-093-14DBAD	Orvin Wolding	190	190	130	5	07-16-82	160	07-16-82	125TGRV	3,040	8.8	11.5	05-18-90	2,060
151-093-15CDA	P. Evenson	--	172	--	--	1962	166	10-00-66	112SANISH	--	--	--	--	--
151-093-16BCD	Charles Shoebe	--	150	138	6	1951	36	10-00-66	112SANISH	1,530	7.8	--	10-06-68	2,190

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
151-093-16BDCC	Charles Shoebe	105	105	85	4.5	07-23-85	20	07-23-85	--	1,340	7.1	11.5	05-22-90	1,855
151-093-21ADD	USGS	327	290	285	2	06-05-92	154.95	08-05-92	112SANISH	1,750	7.2	14.0	08-05-92	1,995
151-093-21BBA	Charles Shoebe	--	129	--	4	1952	69	--	112SANISH	--	--	--	--	--
151-093-22DDD	USGS	450	--	--	--	1967	--	--	112SANISH	--	--	--	--	1,985
151-093-23BCC	USGS	120	--	--	--	1966	--	--	125TGRV	--	--	--	--	1,935
151-093-24DCC	USGS	260	145	140	2	06-03-92	79.65	07-29-92	112SANISH	1,960	7.6	11.5	08-05-92	1,925
151-093-27BBB	USGS	310	240	235	2	06-04-92	142.80	07-27-92	112SANISH	3,640	7.2	17.0	08-05-92	1,985
151-093-28DCD	A. Bangen	--	56	48	24	1952	43	--	125FRUN	--	--	8.0	10-00-66	--
151-093-28DDD1	A. Bangen	--	94	--	4	1951	80	--	125FRUN	--	--	8.0	10-00-66	--
151-093-28DDD2	Jeff Bangen	103	97	87	5	10-10-87	77	10-10-87	--	4,150	6.6	11.5	05-22-90	2,110
151-093-29ADD	Charles Shoebe	308	270	--	4	1952	253	--	125TGRV	--	--	9.0	10-00-66	--
151-093-33CBB	G. Larsen	--	78	--	4	1952	20	--	--	--	--	--	--	--
151-093-34AAC	Ernie Weninger	--	34	--	24	--	24	--	--	--	--	--	--	--
151-093-34ABDA	Ernie Weninger	358	--	--	--	06-27-84	150	06-27-84	125TGRV	2,860	8.8	11.5	05-22-90	2,020
151-093-35BBB1	Richard Bangen	--	274	--	3	1950	170	--	125TGRV	--	--	10.0	10-00-66	--
151-093-35BBB2	Richard Bangen	308	298	273	5	01-03-88	175	01-03-88	125TGRV	2,510	8.4	13.0	05-19-90	2,010
151-094-06AAB1	USGS	300	--	--	--	06-08-92	--	--	--	--	--	--	--	2,138
151-094-06AAB2	USGS	155	--	--	--	06-08-92	--	--	--	--	--	--	--	2,138
151-094-09ADD	Three Affiliated Tribes	510	--	--	--	1950	--	--	125TGRV	--	--	--	--	2,124.54
151-094-10AD	Standard Oil	11,100	--	--	--	10-12-55	--	--	--	--	--	--	--	1,940
151-094-10BB	Petrel Oil Co.	12,200	--	--	--	01-29-69	--	--	--	--	--	--	--	1,940
151-094-10CA	Standard Oil	5,800	--	--	--	10-01-55	--	--	--	--	--	--	--	1,940
151-094-17CC	T. Jordan	9,330	--	--	--	11-18-65	--	--	--	--	--	--	--	2,060
151-094-19ABDB	Goodall 13-19	9,550	--	--	--	05-08-83	--	--	--	--	--	--	--	2,180
151-094-28DAA	Three Affiliated Tribes	240	233	213	4	1950	172	08-18-50	--	--	--	--	--	2,348.49

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
151-094-29CC	Bulls Eye 1	9,629	--	--	--	05-06-65	--	--	--	--	--	--	--	2,289
151-094-33BCA	USGS	300	--	--	--	06-09-92	--	--	--	--	--	--	--	2,368
151-095-04DBD1	NDSWC 5939	1,260	1,196	1,180	2	06-30-81	233	11-01-83	125CBLD	--	--	--	--	2,308.8
151-095-04DBD2	NDSWC 6164	1,620	1,432	1,410	2	06-30-81	184	11-01-83	211FXHL	--	--	--	--	2,309
151-095-04DCCA	Jack Scarda	85	85	--	4	09-10-82	60	09-10-82	--	2,450	6.2	11.0	06-07-90	2,260
151-095-05BDAC	Texaco Inc.	240	240	--	4	12-04-82	105	12-04-82	125TGRV	1,510	7.7	12.5	06-07-90	2,378
151-095-06DDAC	L. Scott 1	9,380	--	--	--	09-02-56	--	--	--	--	--	--	--	2,492
151-095-08CACA	G-208	9,540	--	--	--	09-13-83	--	--	--	--	--	--	--	2,523
151-095-09CD	Texaco Inc.	9,500	--	--	--	07-07-65	--	--	--	--	--	--	--	2,450
151-095-16BDBD	N.D.I. 4	9,477	--	--	--	04-02-62	--	--	--	--	--	--	--	2,447
151-095-20BDDB	Daryle Sivertson	75	75	54	7	11-03-56	--	--	--	2,740	6.6	--	06-06-90	2,418
151-095-21DBBD	Gov't. Dorough	9,674	--	--	--	09-23-61	--	--	--	--	--	--	--	2,595
151-095-24ACD	Three Affiliated Tribes	390	--	--	--	1950	--	--	125TGRV	--	--	--	--	2,357.68
151-095-29ABB	Willard Kieson	80	80	72	4	02-12-75	55.8	06-14-79	--	--	--	--	--	2,440
151-095-29BCB	Sigurd Sivertson	80	80	68	4	04-08-76	--	--	125SNLB	5,000	6.7	9.5	06-14-79	2,340
151-095-30ABD	Texaco Johnson No. 3	1,470	1,400	1,370	2	--	--	--	211FXHL	--	--	--	--	2,320
151-095-30ACA	Texaco Inc.	1,500	1,460	1,360	2	06-15-83	200	06-15-83	211FXHL	--	--	--	--	2,316
151-095-30BBA	Curt Anderson	265	265	--	--	06-28-83	172	06-28-83	125TGRV	2,190	6.5	12.0	06-06-90	2,355
151-095-30CDAC	Texaco Inc.	440	440	360	4	10-30-82	210	10-30-82	125TGRV	3,610	7.6	12.5	06-07-90	2,570
151-095-36ABA	James Hall	40	40	32	24	05-22-73	24	05-22-73	125FRUN	--	--	--	--	2,290
151-095-36ACB	Three Affiliated Tribes	225	196	165	4	1950	165	08-18-50	125TGRV	--	--	--	--	2,297.94
151-095-36BBA	NDSWC 6053	1,280	882	798	2	05-28-82	344	11-01-83	125CBLD	3,950	8.6	11.0	08-19-82	2,262
151-096-36AAA	NDSWC 6051	1,300	--	--	--	12-08-81	--	--	211FXHL	--	--	--	--	2,490
152-086-06DBDA	Pank 10-6	9,903	--	--	--	07-24-85	--	--	--	--	--	--	--	2,066
152-087-15BCD	L. Beyer	--	28	--	6	1956	18	05-00-66	112OTSH	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees) Celsius	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-087-16AAA	NDSWC 3318	80	17	11	1.25	05-24-66	10	06-26-66	112VANG	892	8.0	9.5	08-09-66	2,030
152-087-17CCC	USGS	--	117	114	1.25	1965	40.40	06-17-65	112BDVL	5,100	7.5	9.5	07-01-66	2,080
152-087-18ADD	A. Olson	--	100	--	24	1916	65	04-00-64	125FRUN	--	--	--	--	--
152-087-18DDD	NDSWC 3197	135	117	114	1.25	05-13-65	40.40	06-17-65	112VANG	5,140	7.4	7.0	09-29-88	2,035
152-087-19ADD	C. Larson	--	100	--	5	1928	40	04-00-64	125FRUN	--	--	--	--	--
152-087-19BC	Larson 1-19	7,451	--	--	--	02-19-82	--	--	--	--	--	--	--	2,073
152-087-22BCB	T. Lampert	--	25	--	18	1965	7	05-00-66	112OTSH	--	--	--	--	--
152-087-22DCD	T. Zieman	--	207	--	6	--	75	04-00-64	125FRUN	--	--	--	--	--
152-087-27BBC	USGS	175	--	--	--	1965	--	--	--	--	--	--	--	2,080
152-087-27BCB	Makoti Threshers	160	160	140	4.5	10-04-81	27	10-04-81	--	--	--	--	--	2,080
152-087-27CBB	USGS	235	--	--	--	1965	--	--	--	--	--	--	--	2,080
152-087-28DAA	NDSWC 01	155	150	140	1.25	05-18-65	26.22	08-19-65	112HDLK	6,080	8.1	6.5	06-01-65	2,030
152-087-29BAA	J. Stafslien	--	254	--	4	1960	50	1960	125TGRV	6,270	8.0	7.0	04-30-64	--
152-087-34CCC	E. Petrick	--	120	--	4	1914	30	04-00-64	125FRUN	--	--	--	--	--
152-088-02ADC1	A. Lynne	--	48	48	24	1906	43	--	--	--	--	--	--	--
152-088-02ADC2	A. Lynne	--	48	28	6	1960	44	--	--	--	--	6.5	06-00-66	--
152-088-03DDCB	Bangen 44-3	7,594	--	--	--	07-05-88	--	--	--	--	--	--	--	2,084
152-088-04BBAB	Plaza	100	88	61	6	04-05-88	37	04-05-88	--	--	--	--	--	2,095
152-088-04BBB	Plaza	100	90	78	12	1959	45	04-00-67	125SNLB	2,290	8.0	7.0	04-25-67	--
152-088-04BBBD1	NDSWC 11803	80	71	66	1.25	07-18-86	41.00	05-16-90	125SNLB	--	--	--	--	2,094.73
152-088-04BBBD2	NDSWC 11955	89	87	82	1.25	04-22-87	42.84	05-16-90	125SNLB	--	--	--	--	2,095
152-088-04BDA	Robert Erickson	140	102	82	--	08-26-86	46	08-26-86	125SNLB	2,800	7.7	8.0	05-16-90	2,090
152-088-05DAD1	Kathy Van Eeckhout	--	81	75	4	1957	34	1957	125FRUN	--	--	--	--	--
152-088-05DAD2	Kathy Van Eeckhout	240	240	200	5	08-02-84	100	08-02-84	125TGRV	3,940	8.4	8.5	05-16-90	2,090
152-088-06AAC1	W. Spletstoser	--	60	--	6	1951	12	06-00-66	125FRUN	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-088-06AAC2	W. Spletstoser	--	65	--	6	1936	--	--	--	--	--	--	--	--
152-088-10DDD	USGS	40	--	--	--	1967	--	--	125SNLB	--	--	--	--	2,040
152-088-11BBB	USGS	80	--	--	--	--	--	--	125SNLB	--	--	--	--	2,080
152-088-13DCD	B. Shaw	--	20	20	12	1948	4	--	--	--	--	3.0	06-00-66	--
152-088-21ACCA	Kok 32-21	7,670	--	--	--	10-08-89	--	--	--	--	--	--	--	2,085
152-088-22AAA	USGS	120	--	--	--	1967	--	--	125SNLB	--	--	--	--	2,090
152-088-23ADA1	E. Giesen	--	16	16	24	1956	6	--	--	--	--	--	--	--
152-088-23ADA2	E. Giesen	--	115	--	4	1961	40	--	--	--	--	--	--	--
152-088-23ADA3	E. Giesen	--	60	60	18	1962	10	06-01-66	--	--	--	5.0	06-00-66	--
152-088-24ABA	B. Shaw	--	100	--	6	--	54	--	125FRUN	--	--	5.5	06-00-66	--
152-088-28BBB1	Kenneth Kreft	--	191	--	5	1952	--	--	112BGFV	--	--	6.5	06-00-66	--
152-088-28BBB2	Kenneth Kreft	190	190	184	5	09-10-79	120	09-10-79	125TGRV	3,460	7.5	8.0	05-16-90	2,100
152-088-32BAA	O. Spletstoser	--	140	--	6	1940	110	--	--	--	--	6.5	06-00-66	--
152-088-33BCAA	Flahaven-A 1	7,650	--	--	--	10-31-81	--	--	--	--	--	--	--	2,100
152-088-34BBB	Patrick Andres	215	215	207	4.5	07-14-80	--	--	125TGRV	2,810	8.3	15.0	05-16-90	2,105
152-088-35AAA1	R. Christenson	--	120	--	6	1920	110	--	--	--	--	--	--	--
152-088-35AAA2	R. Christenson	--	24	24	24	1912	6	06-00-66	--	--	--	6.5	06-00-66	--
152-089-01BBB	USGS	120	--	--	--	1966	--	--	125SNLB	--	--	--	--	2,090
152-089-02BBB1	O. Braaflat	--	150	--	4	1957	142	--	125FRUN	--	--	--	--	--
152-089-02BBB2	O. Braaflat	--	60	--	18	--	55	--	125FRUN	--	--	--	--	--
152-089-04ABA	R. Schnase	--	85	--	24	1914	72	--	125FRUN	--	--	--	--	--
152-089-05BAC	L. Evenson	--	119	--	4	1920	89	--	125SNLB	1,470	7.5	7.0	07-13-67	--
152-089-05BACB	Virgil Frink	115	115	--	5	03-22-84	--	--	125SNLB	1,260	7.7	7.0	05-16-90	2,105
152-089-06AAD	USGS	40	--	--	--	1966	--	--	125SNLB	--	--	--	--	2,110
152-089-06DAD	J. Hanzal	--	90	--	4	1958	75	--	125FRUN	--	--	--	--	--
152-089-08CCC1	G. Ruud	--	125	--	24	1964	--	--	125FRUN	--	--	7.0	10-00-65	--
152-089-08CCC2	G. Ruud	--	110	--	6	1928	90	--	125FRUN	--	--	--	--	--
152-089-13CDC	C. Holmstron	--	120	--	4	1956	41	06-00-66	--	--	--	6.5	06-00-66	--
152-089-15CBB	B. Baardson	--	125	--	6	1909	100	--	125FRUN	--	--	6.0	06-00-66	--
152-089-19ADC	M. Werlinger	--	10	--	--	--	--	--	112OTSH	--	--	3.0	06-00-66	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-089-19BCC	Robert Andres, Jr.	--	155	--	4	1960	67	--	125TGRV	--	--	9.0	07-00-68	--
152-089-19BCCC	Robert Andres, Jr.	192	147	142	5	05-07-81	100	05-07-81	125TGRV	3,460	8.3	6.0	05-16-90	2,040
152-089-22BBC1	D. Wenzel	--	80	--	--	--	--	--	--	--	--	6.0	06-00-66	--
152-089-22BBC2	D. Wenzel	--	80	--	4	1957	--	--	--	--	--	--	--	--
152-089-23CCC	Mountrail Water Users	80	47	37	1.25	10-13-77	9.55	04-23-90	112BDVL	4,290	8.7	--	11-01-77	1,970
152-089-23CDB1	R. Colclough	--	10	--	6	1946	--	--	--	--	--	--	--	--
152-089-23CDB2	R. Colclough	--	12	--	32	--	10	06-00-66	--	--	--	4.0	06-00-66	--
152-089-23CDB3	R. Colclough	--	7	--	48	1964	4	06-00-66	--	--	--	5.5	06-00-66	--
152-089-25DAA	A. Woessner	--	101	--	18	--	59	06-00-66	--	--	--	--	--	--
152-089-27ABB	NDSWC	52	--	--	--	--	--	--	125TGRV	--	--	--	--	1,960
152-089-27CBD	K. Ness	--	23	23	42	1933	11	--	--	--	--	5.0	06-00-66	--
152-089-28DCD	John Rodgers	72	72	52	5	11-30-88	42.6	05-16-90	125TGRV	2,040	6.8	10.5	07-28-92	1,990
152-089-29CCC1	Michael Estvold	--	30	--	24	1920	16	--	112BGFV	--	--	5.0	06-00-66	--
152-089-29CCC2	Michael Estvold	--	30	--	24	1950	16	--	112BGFV	--	--	--	--	--
152-089-29CCC3	Michael Estvold	37	37	27	4.5	10-08-81	22	10-08-81	--	--	--	--	--	1,955
152-089-29CCC4	Michael Estvold	288	--	--	--	03-26-84	--	--	125TGRV	--	--	--	--	1,960
152-089-29CCC5	Michael Estvold	38	38	28	4.5	03-29-84	26	03-29-84	125TGRV	3,150	6.7	8.0	05-16-90	1,955
152-089-29DAD	NDSWC	74	--	--	--	--	--	--	--	--	7.6	--	07-01-62	1,940
152-089-30ACA	NDSWC	65	--	--	--	--	--	--	125TGRV	--	--	--	--	1,949
152-089-30BCC	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,941
152-089-30CBC	NDSWC	105	--	--	--	--	--	--	125TGRV	--	--	--	--	1,927
152-089-30DBA	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,933
152-089-30DDB	NDSWC	73	--	--	--	--	--	--	--	--	--	--	--	1,964
152-089-30DDD	Michael Estvold	--	30	--	24	1953	16	--	112BGFV	--	--	5.5	06-00-66	--
152-089-31AAA	NDSWC	52	--	--	--	--	--	--	--	--	--	--	--	1,964
152-089-31ABA	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,940
152-089-31BAB1	W. Nelson	--	34	15	24	1950	19	--	--	--	--	--	--	--
152-089-31BAB2	W. Nelson	--	57	--	4	1956	19	06-00-66	--	--	--	--	--	--
152-089-31BBB	C. Nelson	--	30	--	--	--	--	--	--	--	--	--	--	--
152-089-34ABB	Lawrence Uledahl	120	120	100	4	07-02-79	60	07-02-79	--	1,370	7.0	10.5	05-16-90	2,050

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diam-eter of caaing (inches)	Date well con-structed	Water level (feet)	Date water level meas-ured	Aquifer code	Water-quality property: Specific conduc-tance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temper-ature (degrees) Celsius	Water-quality property: Date wster-quality proper-ties meas-ured	Altitude of land surface (feet)
152-089-34BBA	S. Nelson	--	30	24	24	1941	21	--	112BGFV	--	--	8.0	06-00-66	--
152-089-35DDC	E. Jensen	--	28	--	18	1963	6	06-00-66	--	--	--	5.0	06-00-66	--
152-089-35DDD	E. Jensen	--	90	--	18	1913	70	06-00-66	--	5,190	7.5	7.0	07-13-67	--
152-090-01CDD	M. Hovda	--	45	--	24	1963	12	10-00-65	--	--	--	--	--	--
152-090-02CDD	Ralph Bartleson	--	225	--	4	1954	140	--	125TGRV	2,410	7.5	7.0	07-13-67	--
152-090-02CDDA	Ralph Bartleson	243	200	--	5	09-27-84	150	09-27-84	--	--	--	--	--	2,080
152-090-03ABA	USGS	140	--	--	--	1966	--	--	125TGRV	--	--	--	--	1,955
152-090-08ACD	NDSWC	105	--	--	--	--	--	--	--	--	7.6	--	07-01-62	1,890
152-090-09BCC	--	65	--	--	--	--	--	--	--	2,380	8.4	--	10-19-77	--
152-090-11DDD1	Zacher Bros.	115	115	95	4	10-26-78	60	10-26-78	--	1,720	6.9	8.5	05-17-90	2,110
152-090-11DDD2	Zacher Bros.	140	125	105	4	07-15-79	60	07-15-79	--	--	--	--	--	2,110
152-090-11DDD3	Zacher Bros.	100	63	51	4.5	04-25-89	45	04-25-89	--	--	--	--	--	2,105
152-090-12ABB	J. Hermanstad	--	80	--	24	--	78	--	125FRUN	--	--	--	--	--
152-090-13BBC	E. Evans	--	50	--	24	--	42	--	--	--	--	--	--	--
152-090-13CCC1	S. Hoff	--	66	--	24	--	60	--	125SNLB	1,770	7.7	8.5	07-13-67	--
152-090-13CCC2	USGS	120	--	--	--	1966	--	--	125SNLB	--	--	--	--	2,060
152-090-13DAA1	Richard Ruud	--	450	--	2	1921	200	--	125TGRV	--	--	7.0	10-00-65	--
152-090-13DAA2	Richard Ruud	385	372	356	5	11-20-87	151	05-16-90	125TGRV	--	--	--	--	2,110
152-090-14CDC	H. Geving	--	60	--	24	1945	54	--	--	--	--	--	--	--
152-090-14DDD	NDSWC	21	--	--	--	--	--	--	125TGRV	--	--	--	--	2,060
152-090-15BAA	M. Monson Est.	--	64	--	24	1914	57	--	125FRUN	--	--	--	--	--
152-090-15BAD	Roger Hovda	106	102	--	--	06-15-88	50	06-15-88	125TGRV	1,920	7.3	7.0	05-15-90	2,035
152-090-17CDC	Curt Clemensen	105	90	78	5	07-09-85	20	07-09-85	--	830	7.4	7.0	05-17-90	1,890
152-090-17CDD	C. Clemensen	--	12	--	48	1940	9	--	--	--	--	--	--	--
152-090-17DDD	F. Clemensen	--	12	--	48	--	9	--	--	--	--	--	--	--
152-090-18CCC	NDSWC 3312	05	70	50	1.25	1966	14.16	05-27-66	112SLCK	2,640	8.1	8.0	08-02-66	1,870
152-090-18DDD	B. Detienne	--	81	--	24	--	32	--	--	--	--	--	--	--
152-090-19DDD	E. Danielson	--	80	--	24	1912	60	1964	--	--	--	--	--	--
152-090-20ADC	H. Deberlin	--	120	--	4	1957	80	--	125FRUN	--	--	7.5	06-00-66	--
152-090-20ADD	H. Deberlin	--	70	--	18	1914	64	--	--	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-090-20CDD	P. Ritzke	--	109	--	4	1946	60	--	125FRUN	--	--	6.5	06-00-66	--
152-090-21CBC	--	84	--	--	--	--	--	--	--	2,150	8.4	--	10-17-77	--
152-090-22DAD	D. Nichols	--	75	--	18	--	56	06-00-66	--	--	--	7.0	06-00-66	--
152-090-23AAD	F. Maurer	--	45	35	6	1914	31	--	125FRUN	--	--	--	--	--
152-090-24BCCA	M. Nelson	--	--	--	--	--	--	--	--	1,750	6.8	9.0	11-19-92	2,000
152-090-24CDD	E. Jacobson	--	46	--	24	--	16	06-00-66	--	--	--	7.0	06-00-66	--
152-090-24DDD	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,993
152-090-25ABD	NDSWC	105	--	--	--	--	--	--	125TGRV	--	--	--	--	1,986
152-090-25CBB	Wade Williamson	63	59	47	5	03-26-84	20	03-26-84	--	--	--	--	--	1,965
152-090-25CCC	Slaughterhouse	--	14	--	--	--	--	--	--	--	7.7	--	07-01-61	--
152-090-25DBC1	NDSWC	105	--	--	--	--	--	--	125TGRV	--	--	--	--	1,933
152-090-25DBC2	Parshall	--	74	--	8	1962	25	--	--	2,770	7.9	--	06-07-67	--
152-090-25DDC1	NDSWC	105	--	--	--	--	--	--	125TGRV	--	8.2	--	07-01-52	1,927
152-090-25DDC2	Parshall	84	77	--	--	--	--	--	--	--	7.5	--	07-01-52	--
152-090-26CDD	NDSWC	33	--	--	--	--	--	--	--	--	7.6	--	07-01-52	1,909
152-090-26DAA	Russell Pusc	--	55	--	6	1963	30	--	125FRUN	--	--	--	--	--
152-090-26DAD	Russell Pusc	59	59	39	4	10-06-78	17	10-06-78	--	3,440	7.4	12.0	05-17-90	1,930
152-090-26DDC	NDSWC	63	21	--	--	--	--	--	--	--	7.6	--	07-01-52	1,918
152-090-27ABB1	Rick Hovda	--	64	--	24	--	53	--	--	--	--	7.0	06-00-66	--
152-090-27ABB2	Rick Hovda	--	64	--	24	1963	54	--	125FRUN	--	--	--	--	--
152-090-27ABB3	Rick Hovda	141	139	99	5	09-20-86	50	09-20-86	--	1,000	7.4	7.0	05-17-90	1,955
152-090-27CAA	NDSWC	84	--	--	--	--	--	--	125TGRV	--	--	--	--	1,905
152-090-27DDD	NDSWC	22	12	--	--	--	--	--	--	--	7.5	--	07-01-61	1,909
152-090-29ADD	NDSWC	105	--	--	--	--	--	--	125TGRV	--	--	--	--	1,950
152-090-29BCC	E. Hornaday	--	110	--	4	1940	100	--	125FRUN	--	--	--	--	--
152-090-29DCD	J. Kline	--	116	--	--	--	60	--	--	--	--	--	--	--
152-090-30BB	Stolman 1	8,345	--	--	--	09-05-69	--	--	--	--	--	--	--	1,869
152-090-31DCB	W. Kurschinski	--	16	--	18	1952	11	06-00-66	--	--	--	5.5	06-00-66	--
152-090-33AAD	O. Loen	--	14	--	5	1965	--	--	--	--	--	5.5	05-00-55	--
152-090-33BBC	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,910

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-090-34BAA1	O. Loen	--	46	--	5	1956	22	1956	--	--	--	9.0	06-00-66	--
152-090-34BAA2	O. Loen	--	70	--	24	--	14	06-00-66	125FRUN	--	--	5.5	06-00-66	--
152-090-34BAB	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,909
152-090-35AAD	M. Olson	--	24	--	24	1916	11	--	--	--	--	5.0	06-00-66	--
152-090-35BAC	NDSWC	74	--	--	--	--	--	--	125TGRV	--	--	--	--	1,918
152-090-35BBD	C. Glasner	--	72	--	24	--	28	--	--	--	--	--	--	--
152-090-36AAA	NDSWC	63	--	--	--	--	--	--	--	--	8.3	--	07-01-52	1,932
152-090-36ABA	NDSWC	84	--	--	--	--	--	--	125TGRV	--	--	--	--	1,919
152-090-36ABB1	NDSWC	105	--	--	--	--	--	--	125TGRV	--	--	--	--	1,919
152-090-36ABB2	Parshall	35	33	20	8	06-16-68	3.3	06-16-68	--	--	--	--	--	1,915
152-090-36ABB3	Parshall	36	35.5	21.5	8	07-07-78	1.5	07-07-78	--	--	--	--	--	1,920
152-090-36ABC	NDSWC	84	--	--	--	--	--	--	125TGRV	--	--	--	--	1,950
152-090-36ADD	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,931
152-090-36DDD	NDSWC	63	--	--	--	--	--	--	125TGRV	--	--	--	--	1,977
152-091-04BBB1	A. Oppeboen	--	115	--	24	--	--	--	112BGFV	--	--	--	--	--
152-091-04BBB2	A. Oppeboen	--	132	--	6	--	90	--	--	--	--	--	--	--
152-091-05ADD	A. Fox	--	90	--	4	--	85	--	--	--	--	--	--	--
152-091-05DBB1	G. Totlefson	--	132	--	--	--	50	--	--	--	--	--	--	--
152-091-05DBB2	G. Totlefson	--	98	--	4	--	80	--	--	--	--	--	--	--
152-091-05DBB3	Jo Ann Walter	92	92	--	4	08-07-81	40	08-07-81	125SNLB	1,210	7.5	8.0	05-18-90	2,060
152-091-08DDD	A. Littlefield	--	225	--	6	--	90	--	125TGRV	1,280	8.7	7.0	06-06-68	--
152-091-09CDC	M. Mahle	--	65	--	18	--	40	--	--	--	--	--	--	--
152-091-09DDD1	Bernard Mayer	--	120	--	4	1958	90	--	--	--	--	--	--	--
152-091-09DDD2	Bernard Mayer	160	142	92	5	10-20-86	80	10-20-86	--	2,150	7.5	7.5	05-18-90	2,075
152-091-10BBB	R. Murry	--	108	--	24	1913	95	--	--	--	--	7.0	10-00-65	--
152-091-13CCD	NDSWC	84	--	--	--	--	--	--	125TGRV	--	--	--	--	1,860
152-091-15BCC	Allan Tollefson	--	100	--	24	--	80	--	--	--	--	--	--	--
152-091-15BCCC	Allan Tollefson	145	140	110	5	11-08-86	90	11-08-86	125TGRV	2,590	7.9	10.0	05-18-90	2,015
152-091-15DDA	H. Hauge	--	140	--	4	1957	90	--	125FRUN	--	--	7.0	10-00-65	--
152-091-17ADC	D. Phillippi	--	87	--	24	--	80	--	--	--	--	--	--	--

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-091-18BDC	M. Estvold	--	104	--	24	1922	20	--	125FRUN	--	--	--	--	--
152-091-18CDA	Richard Estvold	100	98	68	5	07-26-82	35	07-26-82	--	--	--	--	--	1,930
152-091-19DCC	C.A. Schuelke	--	240	--	6	--	160	--	125TGRV	--	--	5.0	06-00-66	--
152-091-21DDD	W. Roggenbuck	--	90	--	24	1927	70	--	125FRUN	--	--	--	--	--
152-091-24CDD	T. Everson	--	56	--	6	1950	35	--	--	--	--	--	--	--
152-091-24DCC	L. Reisch	--	60	--	18	--	33	--	--	--	--	--	--	--
152-091-25BBD	NDSWC	74	--	--	--	--	--	--	125TGRV	--	--	--	--	1,855
152-091-25DBB	G. Stenerson	--	81	--	4	1961	21	06-00-66	--	--	--	--	--	--
152-091-26ADD1	G. Stenerson	--	72	--	24	1922	47	--	--	--	--	--	--	--
152-091-26ADD2	G. Stenerson	--	75	--	4	1963	35	--	112BGFV	--	--	7.5	06-00-66	--
152-091-29AAA	J. Varle	--	348	--	6	--	--	--	125TGRV	--	--	--	--	--
152-091-29CCC	B. Olson	--	290	--	4	1958	180	1958	125TGRV	--	--	8.0	06-00-66	--
152-091-32ABB	Mountrail County	130	120	85	5	08-06-88	60	08-06-88	--	1,440	7.9	7.5	05-18-90	1,880
152-091-32BBA	Three Affiliated Tribes	585	580	520	4.5	04-24-87	85	04-24-87	--	3,440	8.5	8.0	05-18-90	1,890
152-091-33ABD	C. Ventsch	--	95	--	4	1965	50	--	112BGFV	--	--	7.5	10-00-65	--
152-092-01DCC	R. Ceynar	--	5	--	24	1947	--	--	112OTSH	--	--	--	--	--
152-092-02ACC	J. Mayer	--	7	--	18	1955	5	--	--	--	--	--	--	--
152-092-02BCC	USGS	40	--	--	--	1967	--	--	125SNLB	--	--	--	--	2,095
152-092-02DD	F. Halvorson	--	78	--	4	--	50	--	--	--	--	--	--	--
152-092-07AAA	Carl Erickson	80	80	--	4	04-28-83	56	04-28-83	125SNLB	2,060	6.2	12.5	05-30-90	2,080
152-092-07AABB	John Sveen	103	103	--	--	03-01-85	93	03-01-85	125SNLB	1,980	6.1	12.5	05-30-90	2,060
152-092-11AAA	L.R. Halvorson	--	225	--	3	1952	50	--	--	--	--	6.5	06-00-66	--
152-092-11BDCC	Jack Pennington	--	--	--	--	--	--	--	--	1,840	7.0	7.0	11-20-92	2,030
152-092-12DDD	Dale Estvold	120	75	--	--	07-23-88	40	07-23-88	125SNLB	1,240	7.8	10.5	05-23-90	1,970
152-092-14DDD	USGS	100	--	--	--	1967	--	--	125TGRV	--	--	--	--	1,865
152-092-15DCC	L. Brown	--	170	--	4	1963	110	--	125FRUN	--	--	--	--	--
152-092-16CDBD	Albert Mayer	90	90	65	4	05-30-80	65	05-30-80	112NWTN	770	7.4	12.0	05-23-90	1,955
152-092-16CDDC	Elmer Rambel	215	215	--	--	11-02-82	120	11-02-82	112NWTN	616	7.3	12.0	05-23-90	1,955
152-092-17BBB	J.R. Breslin	--	154	148	4	1956	96	04-00-67	--	--	--	--	--	2,000
152-092-17BDCB	Cecilia Dragswolf	260	246	246	5	11-01-81	120	11-01-81	112NWTN	2,200	6.9	11.5	05-23-90	1,945

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-092-17DDDA	James Williams	227	222	--	--	06-20-88	90.62	05-23-90	112NWTN	2,120	7.0	10.0	05-23-90	1,908
152-092-18AADD	James Wolf	268	258	243	5.03	12-18-85	102	12-18-85	125TGRV	1,990	7.3	12.5	05-23-90	1,945
152-092-18ABBB	Robert Bartelson	260	260	200	--	10-23-82	120	10-23-82	--	1,440	6.6	12.0	05-30-90	2,000
152-092-18DABB	New Town	182	174	134	8	09-05-78	55	09-05-78	112NWTN	1,600	6.5	--	05-30-90	1,910
152-092-19AAA1	New Town	--	142	161	10	1951	68	04-00-67	112NWTN	--	--	--	--	--
152-092-19AAA2	New Town	--	180	--	--	1952	--	--	112NWTN	--	--	9.0	04-00-67	--
152-092-19AAA3	USGS	--	143	--	1.25	1966	55	09-00-66	112NWTN	1,710	7.7	8.0	12-08-67	1,896
152-092-19AAA4	New Town	203	178	158	10	12-08-82	57	12-08-82	112NWTN	1,660	6.3	12.5	05-30-90	1,895
152-092-19AAB	NDSWC 3424	180	158	153	4	--	48.84	08-09-67	112NWTN	1,570	7.9	--	07-19-67	1,892
152-092-19ABB	H.F. Reynolds	--	106	--	8	--	52	10-00-66	112NWTN	--	--	--	--	--
152-092-19ABBD	H.F. Reynolds	98	95	79	5	04-29-88	55	04-29-88	112NWTN	3,340	6.0	11.0	05-30-90	1,870
152-092-20ADD	USGS	325	308	--	1.25	1966	90.82	05-27-66	112NWTN	1,990	7.8	9.5	05-20-66	1,930
152-092-20BBA	USGS	240	166	163	1.25	1966	59	09-00-66	112NWTN	1,410	7.7	8.0	09-14-67	1,901
152-092-20BBB1	New Town	--	180	--	11	1957	58	09-00-66	112NWTN	1,650	7.1	9.0	04-26-67	--
152-092-20BBB2	USGS	240	168	165	1.25	1967	57	09-00-66	112NWTN	1,490	7.8	8.5	09-13-67	1,898
152-092-21ADAA	Arnold Olson	145	132	105	4	04-25-80	30	04-25-88	112NWTN	4,700	7.2	9.5	05-23-90	1,895
152-092-22ADCD	Jim Locken	100	100	--	--	06-20-83	26	06-20-83	112NWTN	3,020	6.8	10.0	05-23-90	1,875
152-092-28DDD	M. Reynolds	--	157	--	4	1955	90	--	112NWTN	--	--	7.5	10-00-66	--
152-092-29AAA	H.O. Nordby	--	150	130	4	1958	135	--	112NWTN	--	--	8.0	10-00-66	--
152-092-29DDD	USGS	140	118	115	1.25	1967	47	07-17-67	112NWTN	3,700	8.1	7.0	06-14-67	1,880
152-092-30AAB	G. Bottleson	--	185	--	4	1957	90	--	125FRUN	--	--	--	--	--
152-092-31CCC	USGS	80	48	38	1.25	1967	23.46	08-09-67	112NWTN	2,350	8.0	9.0	07-19-67	1,968
152-092-31DAA	D. Peterson	--	154	--	3	1919	109	--	--	--	--	9.0	10-00-66	--
152-093-01CCDA	Morris Ludwig	165	150	101	5	07-31-87	15	07-31-87	112NWTN	1,180	6.5	11.0	06-07-90	1,855
152-093-01CCDC	Walt Richter	206	206	99	5	05-27-89	25	05-27-89	112NWTN	830	6.5	12.0	06-08-90	1,855

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-093-01DAA	USGS	--	100	--	--	1967	--	--	125SNLB	--	--	--	--	2,000
152-093-12DDD	W. Brehm	--	339	331	4	1954	120	--	112NWTN	--	--	--	--	--
152-093-13CACA	New Town Marine Club	80	80	54	4	--	36	--	125TGRV	2,850	7.5	12.0	06-01-90	1,870
152-093-13CDBD	Three Affiliated Tribes	--	--	--	--	--	--	--	--	910	7.0	6.5	11-19-92	1,900
152-093-16BB	Grady Heirs	12,550	--	--	--	06-16-66	--	--	--	--	--	--	--	2,006
152-093-18DCB	William Smith	225	209	165	4	1951	111	10-29-51	--	--	--	--	--	--
152-093-20BAA	Snowbird	255	253	215	4	1951	162	10-29-51	--	--	--	--	--	1,975
152-093-20BAC	Mabel Snow	510	205	190	4	1950	129	08-15-50	--	--	--	--	--	1,933.46
152-093-23BDDC	Sanish 1-23	14,262	--	--	--	12-10-85	--	--	--	--	--	--	--	2,106
152-093-24AADA	Steffen Bohmback	112	109	--	5	06-23-80	80	06-23-80	125TGRV	1,940	7.4	11.0	05-30-90	1,950
152-093-25DCD	Peterson Bros.	--	90	--	4	1963	57	--	--	--	--	--	--	--
152-093-25DDB	Peterson Bros.	--	90	--	4	1958	57	--	112BGFV	--	--	--	--	--
152-093-26BCC	D. Pennington	--	1,805	1,660	1.25	1967	11	--	211FXHL	2,490	8.6	14.0	07-06-68	2,100
152-093-34DAA1	Harold Weninger	--	156	--	4	1963	137	--	--	--	--	9.0	10-00-66	--
152-093-34DAA2	Harlod Weninger	180	122	102	5	06-03-82	92	06-03-82	--	2,770	6.6	9.0	05-18-90	2,050
152-093-35CCD	P.A. Basting	--	34	--	36	1916	28	--	125FRUN	--	--	7.0	10-00-66	--
152-093-35DDD	A.E. Wolding	--	120	--	4	1949	90	--	125FRUN	--	--	7.5	10-00-66	--
152-094-01CCB	Rae Hendrickson	1,620	1,620	--	--	12-30-66	--	--	--	3,320	7.9	17.0	06-08-90	1,930
152-094-06DC	Amerada Hess	5,360	--	--	--	04-11-63	--	--	--	--	--	--	--	2,100
152-094-07BB	Amerada Hess	11,000	--	--	--	04-27-67	--	--	--	--	--	--	--	2,190
152-094-10ABC	William Skarda	25	25	15	--	12-02-72	10	11-05-51	--	--	--	--	--	--
152-094-10ABD	William Skarda	120	120	96	--	07-13-76	28	12-02-72	--	2,600	6.9	11.0	06-01-90	1,980
152-094-11DAC	Delancy Yellowface	190	89	87	4	1951	23.3	06-06-79	--	--	--	--	--	--
152-094-16CCA	Three Affiliated Tribes	180	178	158	4	1950	88.5	08-15-50	--	--	--	--	--	2,145.60
152-094-19ACC	USGS 16	200	--	--	--	12-10-51	--	--	--	--	--	--	--	2,210

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open intervel (feet)	Diam-eter of casing (inches)	Date well con-structed	Water level (feet)	Date water level meas-ured	Aquifer code	Weter-quaility property: Specific conduc-tance (µS/cm)	pH (units)	Temper-ature (degrees) Celsiue)	Date water-quality proper-tiee mees-ured	Altitude of land eurface (feet)
152-094-19CBAA	Three Affiliated Tribes	74	72	69.3	2	11-08-89	64.6	11-22-89	125SNLB	--	--	--	--	2,213.6
152-094-19CBBC	Three Affiliated Tribes	90	89	86.3	2	11-09-89	68.4	11-22-89	125SNLB	3,330	6.7	--	11-05-91	2,218.9
152-094-19CCAB1	Three Affiliated Tribes	80	75	72.3	2	11-09-89	73.3	11-22-89	125SNLB	--	7.7	--	11-05-91	2,225.3
152-094-19CCAB2	Three Affiliated Tribes	52	52	49	2	11-14-89	--	11-22-89	125SNLB	--	--	--	--	2,225.5
152-094-19CCCC	Three Affiliated Tribes	88	86	83	2	11-08-89	75.5	11-22-89	125SNLB	2,750	7.0	--	11-05-91	2,223.0
152-094-19CCDD1	Three Affiliated Tribes	80	80	77.3	2	11-09-89	75.1	11-22-89	125SNLB	--	8.0	--	11-05-91	2,225.3
152-094-19CCDD2	Three Affiliated Tribes	50	48	45	2	11-14-89	43.7	11-22-89	125SNLB	--	--	--	--	2,225.4
152-094-19DBC	USGS 68	200	--	--	--	12-11-51	--	--	--	--	--	--	--	2,250
152-094-20ACC	USGS 50	200	--	--	--	11-08-51	--	--	--	--	--	--	--	2,220
152-094-20DDA	USGS 33	205	--	--	--	11-06-51	--	--	--	--	--	--	--	2,150
152-094-21BCC	USGS 31	205	--	--	--	11-05-51	--	--	--	--	--	--	--	2,190
152-094-21CAD	USGS 72	200	--	--	--	12-12-52	--	--	--	--	--	--	--	2,160
152-094-21DAA	USGS 49	120	--	--	--	11-12-51	--	--	--	--	--	--	--	2,060
152-094-21DBC	USGS 73	200	--	--	--	12-13-51	--	--	--	--	--	--	--	2,140
152-094-21DC	Standard Oil	12,500	--	--	--	12-06-53	--	--	--	--	--	--	--	2,130
152-094-21DDB	USGS 74	200	--	--	--	12-12-51	--	--	--	--	--	--	--	2,090
152-094-24BBB	NDSWC 6049	1,040	906	882	2	12-02-81	172	11-01-83	125TGRV	--	--	--	--	2,060
152-094-25CCC	Charles Blake, Jr.	230	229	215	4	1951	107	11-05-51	--	--	--	--	--	2,076
152-094-25DAA	Three Affiliated Tribes	255	240	236	4	1950	106	08-15-50	--	--	--	--	--	2,014.02
152-094-27AAB	USGS 2	255	--	--	--	10-30-51	--	--	--	--	--	--	--	2,160

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Date water-quality properties measured	Altitude of land surface (feet)
152-094-27BBB	USGS 3	255	--	--	--	10-30-51	--	--	--	--	--	--	--	2,180
152-094-27DDD	USGS 35	205	--	--	--	11-07-51	--	--	--	--	--	--	--	2,160
152-094-28ABA	USGS 76	185	--	--	--	01-07-52	--	--	--	--	--	--	--	2,120
152-094-28BAB	USGS 5	355	--	--	--	10-31-51	--	--	--	--	--	--	--	2,220
152-094-28BBC	USGS 71	200	--	--	--	12-11-51	--	--	--	--	--	--	--	2,190
152-094-29AAB	USGS 70	200	--	--	--	12-11-51	--	--	--	--	--	--	--	2,200
152-094-29ACC	USGS 63	205	--	--	--	11-12-51	--	--	--	--	--	--	--	2,180
152-094-29CCC	USGS 53	200	--	--	--	11-08-51	--	--	--	--	--	--	--	2,200
152-094-29DCA	USGS 52	205	--	--	--	11-08-51	--	--	--	--	--	--	--	2,170
152-094-30ACD	USGS 60	190	--	--	--	11-12-51	--	--	--	--	--	--	--	2,240
152-094-30ADD	USGS 61	205	--	--	--	11-12-51	--	--	--	--	--	--	--	2,220
152-094-30CCD	USGS 54	200	--	--	--	11-08-51	--	--	--	--	--	--	--	2,200
152-094-31ACA	USGS 43	200	--	--	--	11-08-51	--	--	--	--	--	--	--	2,190
152-094-31BCD	USGS 55	180	--	--	--	01-07-52	--	--	--	--	--	--	--	2,080
152-094-31DBD	USGS 44	205	--	--	--	11-08-51	--	--	--	--	--	--	--	2,140
152-094-32BBB	Three Affiliated Tribes	225	203	165	4	1950	105	08-15-50	--	--	--	--	--	2,185.90
152-094-32CCB	USGS 46	205	--	--	--	11-07-51	--	--	--	--	--	--	--	2,180
152-094-32DBC	USGS 47	125	--	--	--	11-07-51	--	--	--	--	--	--	--	2,180
152-094-33AD	Rose 1	12,415	--	--	--	11-20-86	--	--	--	--	--	--	--	2,135
152-094-33BBB	Charles Grady, Jr.	275	275	--	4	1951	--	--	--	--	--	--	--	2,188
152-094-33CAB	USGS 40	205	--	--	--	11-06-51	--	--	--	--	--	--	--	2,180
152-094-33DBA	USGS 39	200	--	--	--	11-06-51	--	--	--	--	--	--	--	2,180
152-094-34ADC	USGS 36	200	--	--	--	11-07-51	--	--	--	--	--	--	--	2,120
152-094-34BCAA	Fox 1	10,714	--	--	--	12-08-87	--	--	--	--	--	--	--	2,124
152-094-34CAA	USGS 37	200	--	--	--	11-06-51	--	--	--	--	--	--	--	2,110

Table 1. Records of wells, test holes, and springs--Continued

Local number	Owner	Depth drilled (feet)	Depth of well (feet)	Top of open interval (feet)	Diameter of casing (inches)	Date well constructed	Water level (feet)	Date water level measured	Aquifer code	Water-quality property: Specific conductance (µS/cm)	Water-quality property: pH (units)	Water-quality property: Temperature (degrees Celsius)	Water-quality property: Date water-quality properties measured	Altitude of land surface (feet)
152-094-35DCA	Three Affiliated Tribes	210	204	186	4	1950	160	08-15-50	--	--	--	--	--	2,116.02
152-095-02BD	Amerada Hess	9,360	--	--	--	06-09-56	--	--	--	--	--	--	--	2,280
152-095-02BDCD	AMU-B 519	9,356	--	--	--	06-09-65	--	--	--	--	--	--	--	2,282
152-095-06BAC	Lawrence Grimestad	65	62	--	--	01-30-76	36	01-30-76	--	--	--	--	--	2,260
152-095-07CB	Amerada Hess	9,270	--	--	--	01-12-65	--	--	--	--	--	--	--	2,360
152-095-08CB	Amerada Hess	5,313	5,313	--	--	10-17-64	700	07-19-79	--	8,000	7.6	27.0	07-19-79	2,330
152-095-16ADD	NDSWC 6048	1,000	696	672	2	11-21-81	370	11-21-81	125TGRV	3,200	9.1	8.5	05-11-83	2,295
152-095-19DD1	Amerada Hess	60	60	45	--	08-21-75	47	08-21-75	--	--	--	--	--	2,435
152-095-19DD2	Amerada Hess	45	45	32	--	08-27-75	30	08-27-75	--	--	--	--	--	2,435
152-095-20BDAC	Amerada Hess	260	250	--	5	08-22-86	210	08-22-86	125TGRV	2,580	8.4	12.0	06-08-90	2,390
152-095-32CBC	NDSWC 11549	90	--	--	--	05-05-81	--	--	--	--	--	--	--	2,380
152-096-12AD	Amerada Hess	9,260	--	--	--	03-23-66	--	--	--	--	--	--	--	2,350
153-088-36ADAC	Wurtz State 42-36	7,590	--	--	--	10-04-88	--	--	--	--	--	--	--	2,099
153-092-25AB	Johnsonberg 1	9,131	--	--	--	01-19-63	--	--	--	--	--	--	--	2,297
153-094-18DCDA	Froholm 1-18	10,760	--	--	--	03-05-86	--	--	--	--	--	--	--	2,082
153-094-19CDD	Carl Froholm	113	--	--	--	01-21-76	--	--	--	--	--	--	--	2,240
153-094-23CCC1	NDSWC 5781	1,860	1,767	1,740	2	08-21-80	74.3	08-21-80	211HCFH	3,000	8.7	10.0	09-25-80	2,186
153-094-23CCC2	NDSWC 5781A	1,460	1,434	1,410	2	08-21-80	148	08-21-80	125CBLD	3,600	8.6	8.0	04-26-83	2,186
153-094-23CCC3	NDSWC 5781B	980	895	871	2	08-21-80	331	08-21-80	125TGRV	3,500	8.6	9.0	04-28-83	2,186
153-094-29DDAC	Felland 44-29	10,624	--	--	--	02-19-81	--	--	--	--	--	--	--	2,162
153-094-30DD	Amerada Hess	50	--	--	--	05-24-75	20	05-24-75	--	--	--	--	--	2,200
153-094-32BDCA	Amerada Hess	553	538	--	5	09-23-86	341	09-23-86	--	3,460	8.1	14.0	06-08-90	2,230
153-094-32CDBD	Amerada Hess	1,590	1,524	--	--	09-29-89	176	09-29-89	211FXHL	3,070	8.0	23.0	06-08-90	2,266
153-094-33CBAC	G. Moran 1	9,158	--	--	--	12-15-56	--	--	--	--	--	--	--	2,214

Table 2. Water levels for selected wells

Owner

NDSWC 3575, North Dakota State Water Commission, well number 3575
USGS, U.S. Geological Survey

Aquifer code

Pleistocene	
112BDVL	Buried valley deposits
112HDLK	Hidden Lake aquifer
112NWTN	New Town aquifer
112SANISH	Sanish aquifer
112VANG	Vang aquifer
112WSLD	White Shield aquifer
Paleocene	
125CBLD	Cannonball-Ludlow Members of Fort Union Formation
125SNLB	Sentinel Butte Member of Fort Union Formation
125TGRV	Tongue River Member of Fort Union Formation
Cretaceous	
211FXHL	Fox Hills Sandstone
211HCFH	Hell Creek Formation-Fox Hills Sandstone

Abbreviations and symbols

--, no data

Table 2. Water levels for selected wells--Continued

146-089-10CBD

Owner: USGS
Aquifer code: 125TGRV
Altitude: 1,880 feet
Date drilled: 06-25-92
Well depth: 241 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 3, 1992	57.48	Oct. 2, 1992	55.78	Highest water level:		Lowest water level:	
Aug. 28	55.25			Aug. 28, 1992	55.25	Aug. 3, 1992	57.48

146-090-20CCC

Owner: NDSWC 3575
Aquifer code: 211FXHL
Altitude: 2,120 feet
Date drilled: 06-18-68
Well depth: 1,574 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 15, 1968	73.18	Sept. 18, 1975	74.44	Mar. 19, 1984	79.10	Oct. 24, 1990	85.62
Aug. 9	73.25	Dec. 3	73.91	June 7	78.87	Nov. 16	85.76
Sept. 4	72.35	Mar. 26, 1976	74.54	Aug. 1	79.50	Nov. 30	85.60
Oct. 2	72.36	June 24	74.57	Dec. 3	79.95	Jan. 25, 1991	85.84
Nov. 5	72.37	Sept. 22	73.55	Mar. 19, 1985	79.82	Feb. 20	85.74
Dec. 4	72.13	Nov. 30	73.74	June 3	80.02	Mar. 4	85.64
Jan. 17, 1969	72.10	Mar. 16, 1977	73.79	June 11	80.12	Mar. 26	85.68
Feb. 11	72.16	June 27	73.85	Aug. 5	80.24	Apr. 25	85.81
Mar. 18	71.92	Sept. 28	74.14	Nov. 27	80.09	Apr. 30	85.92
Apr. 16	72.15	Dec. 2	74.19	May 9, 1986	80.17	May 30	85.87
May 21	72.21	Mar. 25, 1978	74.39	Sept. 9	80.82	June 25	85.95
June 11	71.93	June 20	74.60	Nov. 17	80.89	July 16	86.26
July 16	76.40	Sept. 20	75.00	Feb. 17, 1987	81.11	Aug. 13	86.42
July 23	75.23	Nov. 29	74.79	May 14	81.55	Aug. 20	86.34
Aug. 7	74.77	Mar. 22, 1979	75.14	Aug. 27	81.85	Sept. 27	86.51
Sept. 8	74.83	June 25	75.39	Nov. 23	82.19	Oct. 22	86.45
Oct. 28	74.82	Sept. 20	75.79	Feb. 23, 1988	83.29	Nov. 15	86.59
Nov. 20	74.55	Nov. 19	75.49	May 20	83.38	Nov. 28	86.42
Dec. 16	74.55	Apr. 1, 1980	76.19	Aug. 16	83.59	Jan. 24, 1992	86.48
Nov. 30, 1970	73.52	June 24	76.19	Nov. 18	83.92	Feb. 20	86.78
Dec. 1, 1971	73.72	Sept. 24	76.54	Feb. 23, 1989	83.94	Mar. 24	86.76
June 23, 1972	73.71	Dec. 2	76.58	May 23	84.07	Apr. 29	86.69
Sept. 19	73.61	Mar. 10, 1981	76.88	Aug. 11	84.62	May 29	86.61
Dec. 5	74.30	June 1	76.91	Nov. 20	85.05	June 23	86.84
Apr. 3, 1973	73.90	Oct. 7	77.29	Feb. 20, 1990	84.99	July 30	86.78
June 22	73.75	Dec. 2	77.30	Mar. 22	85.20	Aug. 26	87.29
Sept. 18	73.93	Apr. 27, 1982	77.88	Apr. 24	84.85	Oct. 2	87.06
Dec. 6	73.94	July 8	77.91	May 7	84.80	Nov. 25	87.91
Mar. 21, 1974	73.83	Oct. 26	77.95	May 29	85.04		
June 26	74.10	Nov. 30	77.77	June 23	85.14	Highest water level:	
Sept. 18	74.39	Mar. 16, 1983	78.38	July 21	85.45	Mar. 18, 1969	71.92
Dec. 4	74.38	June 9	78.37	July 31	85.29		
Mar. 20, 1975	74.35	Aug. 23	78.76	Aug. 22	85.39	Lowest water level:	
June 12	74.08	Nov. 28	79.17	Sept. 22	85.69	Nov. 25, 1992	87.91

Table 2. Water levels for selected wells--Continued

148-086-20DAA

Owner: NDSWC 4043
Aquifer code: 112WSLD
Altitude: 1,917 feet

Date drilled: 1970
Well depth: 208 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 10, 1970	65.80	Nov. 29, 1990	77.30	Oct. 22, 1991	75.31	Aug. 27, 1992	84.05
Sept. 9	64.67	Jan. 24, 1991	78.27	Nov. 27	74.32	Oct. 1	79.25
Mar. 20, 1990	77.11	Feb. 19	79.18	Dec. 23	74.60		
Apr. 23	77.29	Mar. 25	78.39	Jan. 24, 1992	75.15	**Highest water level:**	
May 24	78.01	Apr. 24	79.89	Feb. 19	75.98	Sept. 9, 1970	64.67
June 21	77.19	May 30	81.82	Mar. 24	75.96		
July 19	87.79	June 25	76.97	Apr. 29	76.02	**Lowest water level:**	
Aug. 21	94.15	July 15	78.18	May 21	75.99	Aug. 21, 1990	94.15
Sept. 19	83.64	Aug. 20	88.92	July 7	87.23		
Oct. 19	79.01	Sept. 26	77.95	July 29	90.76		

148-086-29AAA2

Owner: NDSWC 4044
Aquifer code: 112WSLD
Altitude: 1,902 feet

Date drilled: 07-00-70
Well depth: 138 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 14, 1970	47.23	Nov. 29, 1977	47.34	July 19, 1990	69.64	Dec. 23, 1991	56.61
Sept. 9	46.59	Nov. 24, 1978	47.79	Aug. 21	75.88	Jan. 24, 1992	57.16
Dec. 1	47.66	Nov. 19, 1979	47.14	Sept. 19	65.59	Feb. 19	57.99
Dec. 2, 1971	46.73	Nov. 25, 1980	51.45	Oct. 19	61.02	Mar. 24	57.83
Mar. 1, 1972	49.07	Dec. 2, 1981	52.33	Nov. 29	59.38	Apr. 29	58.07
May 25	46.15	Dec. 1, 1982	45.97	Dec. 3	58.73	May 21	58.05
Aug. 22	47.64	Dec. 5, 1984	44.94	Dec. 8	59.43	July 7	69.03
Dec. 4	45.20	Dec. 17, 1985	48.20	Jan. 24, 1991	60.40	July 29	72.60
June 29, 1973	46.90	Nov. 14, 1986	42.85	Feb. 19	61.30	Aug. 27	66.00
Sept. 26	49.35	Dec. 5, 1987	45.88	Mar. 25	61.76	Oct. 1	61.19
Dec. 5	47.12	Dec. 14, 1988	56.39	Apr. 24	62.14	Nov. 22	59.42
Feb. 27, 1974	49.05	July 13, 1989	66.64	May 30	63.87	Dec. 2	59.35
May 22	48.88	Dec. 9	58.06	June 25	58.97		
Aug. 22	48.21	Dec. 12	58.15	July 15	60.09	**Highest water level:**	
Dec. 5	46.50	Mar. 20, 1990	59.17	Aug. 20	70.79	Nov. 14, 1986	42.85
Apr. 7, 1975	49.06	Apr. 23	59.44	Sept. 26	59.87		
Dec. 4	45.23	May 24	60.11	Oct. 22	57.32	**Lowest water level:**	
Nov. 30, 1976	47.57	June 21	59.24	Nov. 27	56.35	Aug. 21, 1990	75.88

Table 2. Water levels for selected wells–Continued

148-087-07AAA2

Owner: NDSWC 3626
Aquifer code: 112WSLD
Altitude: 1,966 feet

Date drilled: 07-29-68
Well depth: 278 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Sept. 9, 1968	112.35	Oct. 26, 1972	106.75	Feb. 27, 1978	110.06	June 19, 1986	109.30
Oct. 20	112.00	Dec. 4	106.36	Mar. 29	110.17	Nov. 14	100.84
Nov. 10	112.10	Feb. 21, 1973	106.76	Apr. 27	108.72	Dec. 5, 1987	101.44
Dec. 25	112.16	Mar. 20	106.66	May 24	107.70	Dec. 14, 1988	107.67
Jan. 25, 1969	112.32	Apr. 24	106.71	July 26	111.40	July 13, 1989	119.13
Feb. 25	112.67	May 22	108.03	Aug. 25	121.35	Dec. 9	109.25
Mar. 30	113.17	June 29	113.13	Sept. 27	109.01	Dec. 12	109.24
Apr. 5	112.91	July 24	113.46	Oct. 26	110.08	Mar. 20, 1990	108.96
May 5	112.17	Aug. 31	114.92	Nov. 24	108.77	Apr. 23	108.82
June 5	111.75	Sept. 26	112.42	Jan. 2, 1979	108.33	May 24	110.06
July 5	110.91	Oct. 25	111.56	Feb. 2	106.13	June 21	109.15
Aug. 5	110.10	Dec. 5	107.47	Mar. 9	110.96	July 19	127.38
Sept. 10	110.11	Jan. 23, 1974	107.35	Mar. 28	106.25	Aug. 21	126.71
Oct. 25	110.30	Feb. 27	107.36	Apr. 24	105.32	Sept. 19	116.62
Nov. 25	110.43	May 22	107.25	May 24	106.47	Oct. 19	112.20
Dec. 30	110.63	June 25	111.26	June 28	106.87	Nov. 29	110.55
Jan. 20, 1970	111.06	July 24	113.60	July 31	120.34	Dec. 3	110.50
Feb. 25	111.51	Aug. 22	110.10	Aug. 24	119.15	Dec. 8	110.38
Mar. 15	111.61	Sept. 23	108.31	Sept. 27	112.60	Jan. 24, 1991	110.16
Apr. 10	111.51	Oct. 22	107.29	Oct. 25	107.32	Feb. 19	110.25
May 5	111.61	Dec. 5	106.14	Nov. 20	106.37	Mar. 25	110.39
June 1	111.34	Jan. 27, 1975	106.24	Dec. 19	105.34	Apr. 24	110.28
June 30	110.47	Feb. 25	107.25	Feb. 20, 1980	105.39	May 30	113.33
July 5	110.41	Apr. 7	106.63	Mar. 20	105.06	June 25	110.00
Aug. 5	109.29	May 15	105.99	Apr. 23	105.11	July 15	115.44
Sept. 15	108.93	July 21	113.65	May 21	125.92	Aug. 20	122.31
Oct. 15	108.93	Aug. 26	109.57	June 23	123.01	Sept. 26	112.55
Nov. 5	108.98	Oct. 1	105.63	Sept. 22	116.25	Oct. 22	109.97
Dec. 20	109.11	Nov. 6	104.74	Oct. 21	112.04	Nov. 27	108.86
Jan. 27, 1971	109.36	Dec. 4	103.80	Nov. 25	112.50	Dec. 23	108.53
Feb. 24	109.47	Mar. 3, 1976	105.29	Mar. 5, 1981	107.70	Jan. 24, 1992	108.20
Mar. 25	109.42	May 21	105.98	June 2	108.04	Feb. 19	108.46
May 3	108.85	June 29	107.33	June 24	113.14	Mar. 24	108.39
May 25	108.82	Aug. 30	113.95	Aug. 24	117.80	Apr. 29	108.31
July 6	108.14	Oct. 12	112.88	Sept. 28	110.19	May 21	108.22
July 22	112.09	Oct. 23	108.84	Nov. 3	108.79	July 7	123.62
Aug. 24	109.63	Nov. 30	106.48	Dec. 2	107.86	July 29	126.94
Sept. 22	109.91	Feb. 1, 1977	106.25	Feb. 23, 1982	107.88	Aug. 27	118.38
Oct. 20	109.21	Mar. 1	106.43	Mar. 30	107.37	Oct. 1	111.68
Dec. 2	108.08	Mar. 26	106.30	May 18	106.57	Nov. 22	110.68
Dec. 23	108.12	Apr. 23	106.65	June 29	111.84	Dec. 2	110.57
Feb. 1, 1972	108.44	May 26	113.10	July 27	119.90		
Mar. 1	108.45	June 29	119.09	Aug. 2	124.25	**Highest water level:**	
Apr. 1	107.45	July 26	132.92	Aug. 6	121.88	Nov. 14, 1986	100.84
Apr. 18	107.06	Aug. 24	124.60	Aug. 25	114.19		
May 25	111.16	Sept. 30	112.15	Sept. 9	110.08	**Lowest water level:**	
June 22	109.12	Oct. 27	110.55	Dec. 1	103.02	July 26, 1977	132.92
July 26	107.96	Nov. 29	112.54	Dec. 5, 1984	102.78		
Aug. 22	111.96	Dec. 27	109.51	June 26, 1985	109.06		
Sept. 20	109.60	Jan. 23, 1978	109.69	Dec. 17	103.40		

Table 2. Water levels for selected wells--Continued

148-087-13BBB

Owner: NDSWC 3619
Aquifer code: 112WSLD
Altitude: 1,954 feet

Date drilled: 07-00-68
Well depth: 278 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Sept. 9, 1968	104.33	Sept. 9, 1970	101.16	Mar. 25, 1991	112.25	Apr. 29, 1992	107.38
Jan. 15, 1969	104.59	Dec. 1	101.50	Apr. 24	110.39	May 21	107.39
Apr. 17	105.42	Mar. 20, 1990	108.35	May 30	115.22	July 7	124.17
July 16	102.19	Apr. 23	108.36	June 25	109.05	July 29	130.39
Sept. 5	101.56	May 24	110.46	July 15	114.55	Aug. 27	119.05
Nov. 2	101.90	June 21	108.69	Aug. 20	126.53	Oct. 1	111.93
Dec. 19	103.46	July 19	126.01	Sept. 26	111.13		
Jan. 20, 1970	104.28	Aug. 21	133.27	Oct. 22	108.05	**Highest water level:**	
Feb. 19	105.01	Sept. 19	116.75	Nov. 27	108.08	Sept. 9, 1970	101.16
Mar. 2	105.18	Oct. 19	110.75	Dec. 23	106.28		
Apr. 22	105.17	Nov. 29	109.32	Jan. 24, 1992	106.80	**Lowest water level:**	
June 5	104.74	Jan. 24, 1991	109.55	Feb. 19	107.34	Aug. 21, 1990	133.27
June 30	103.15	Feb. 19	110.03	Mar. 24	107.35		

148-087-13DDD

Owner: NDSWC 5565
Aquifer code: 112WSLD
Altitude: 1,945 feet

Date drilled: 1969
Well depth: 305 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Nov. 4, 1969	106.27	Sept. 19, 1990	122.27	Sept. 26, 1991	116.37	July 29, 1992	132.72
Dec. 9	107.51	Oct. 19	117.03	Oct. 22	113.45	Aug. 27	123.37
June 5, 1970	108.97	Nov. 29	115.05	Nov. 27	112.45	Oct. 1	116.33
June 25	107.59	Feb. 19, 1991	116.23	Dec. 23	112.05		
Sept. 9	105.06	Mar. 25	116.79	Jan. 24, 1992	112.70	**Highest water level:**	
Apr. 23, 1990	114.47	Apr. 24	116.78	Feb. 19	113.33	Sept. 9, 1970	105.06
May 24	115.83	May 30	120.00	Mar. 24	113.25		
June 21	114.74	June 25	114.78	Apr. 29	113.42	**Lowest water level:**	
July 19	128.79	July 15	119.19	May 21	113.43	Aug. 21, 1990	135.89
Aug. 21	135.89	Aug. 20	129.90	July 7	127.73		

148-092-23ABB

Owner: USGS
Aquifer code: 125TGRV
Altitude: 2,010 feet

Date drilled: 06-12-92
Well depth: 285 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 30, 1992	200.80	Aug. 28, 1992	200.41	**Highest water level:** Aug. 28, 1992	200.41	**Lowest water level:** July 30, 1992	200.80

Table 2. Water levels for selected wells--Continued

148-093-04CAB1

Owner: NDSWC 4596A
Aquifer code: 125TGRV
Altitude: 1,986 feet

Date drilled: 10-00-73
Well depth: 340 feet

Date meaaured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feat)	Date measured	Water level (feet)
May 23, 1974	136.83	Sept. 21, 1990	130.94	Sept. 26, 1991	130.47	Aug. 28, 1992	130.16
July 25	137.15	Oct. 23	130.88	Oct. 22	130.51	Oct. 2	130.22
Aug. 23	138.27	Nov. 29	130.77	Nov. 28	130.57		
Sept. 26	137.87	Jan. 24, 1991	130.79	Dec. 23	130.39	**Highest water level:**	
Oct. 29	137.80	Feb. 19	130.76	Jan. 24, 1992	130.53	Aug. 28, 1992	130.16
Mar. 22, 1990	131.25	Mar. 26	130.63	Feb. 20	130.34		
Apr. 24	131.01	Apr. 24	130.69	Mar. 24	130.22	**Lowest water level:**	
May 25	130.90	May 30	130.63	Apr. 29	130.22	Aug. 23, 1974	138.27
June 23	130.79	June 25	130.47	May 29	130.30		
July 20, 1990	130.88	July 16	130.58	July 6	130.23		
Aug. 22	130.97	Aug. 20	130.48	July 30	130.40		

148-093-04CAB2

Owner: NDSWC 4596B
Aquifer code: 125SNLB
Altitude: 1,987 feet

Date drilled: 10-00-73
Well depth: 190 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feat)	Date measured	Water level (feet)
Nov. 15, 1973	68.52	June 23, 1990	63.02	June 25, 1991	63.43	May 29, 1992	63.88
Feb. 14, 1974	68.38	July 20	63.15	July 16	63.59	July 6	63.78
Apr. 4	68.30	Aug. 22	63.19	Aug. 20	63.66	July 30	64.05
May 23	68.06	Sept. 21	63.28	Sept. 26	63.64	Aug. 28	63.96
July 25	68.40	Oct. 24	63.33	Oct. 22	63.61	Oct. 2	64.03
Aug. 23	68.33	Nov. 29	63.28	Nov. 28	63.57		
Sept. 26	67.97	Jan. 24, 1991	63.44	Dec. 23	63.68	**Highest water level:**	
Oct. 29	68.06	Feb. 19	63.36	Jan. 24, 1992	63.62	Apr. 24, 1990	62.94
Mar. 22, 1990	63.05	Mar. 26	63.34	Feb. 20	63.62		
Apr. 24	62.94	Apr. 24	63.38	Mar. 24	63.76	**Lowest water level:**	
May 25	63.00	May 30	63.44	Apr. 29	63.74	Nov. 15, 1973	68.52

148-094-14AAB

Owner: USGS
Aquifer code: 125TGRV
Altitude: 2,250 feet

Date drilled: 06-23-92
Well depth: 300 feet

Date measured	Water level (feet)	Date meaaured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 4, 1992	163.47	Oct. 2, 1992	163.30	**Highest water level:**		**Lowest water level:**	
Aug. 28	163.28			Aug. 28, 1992	163.28	Aug. 4, 1992	163.47

Table 2. Water levels for selected wells--Continued

148-095-12DCC2

Owner: USGS
Aquifer code: 125SNLB
Altitude: 2,450 feet
Date drilled: 06-23-92
Well depth: 51 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 30, 1992	21.69	Oct. 1, 1992	21.52	**Highest water level:**		**Lowest water level:**	
Aug. 28	21.61			Oct. 1, 1992	21.52	July 30, 1992	21.69

149-087-32CCC

Owner: NDSWC 3622
Aquifer code: 112WSLD
Altitude: 2,002 feet
Date drilled: 07-00-68
Well depth: 358 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Sept. 9, 1968	137.86	Sept. 9, 1970	134.28	Feb. 19, 1991	133.64	Mar. 24 1992	131.96
Jan. 15, 1969	137.57	Dec. 1	133.96	Mar. 25	133.79	Apr. 29	131.93
Apr. 17	137.91	Sept. 9, 1986	137.86	Apr. 24	133.65	May 21	131.85
July 16	136.18	Mar. 20, 1990	132.44	May 30	135.56	July 7	144.03
Aug. 26	135.55	Apr. 23	132.25	June 25	133.48	July 29	147.10
Oct. 2	135.37	May 24	133.02	July 15	136.69	Aug. 27	140.83
Dec. 19	135.94	June 21	132.64	Aug. 20	143.46	Oct. 1	136.49
Jan. 20, 1970	136.13	July 19	146.40	Sept. 26	136.05		
Feb. 19	136.45	Aug. 21	147.14	Oct. 22	133.74	**Highest water level:**	
Mar. 24	136.40	Sept. 19	139.59	Nov. 27, 1991	132.78	May 21, 1992	131.85
Apr. 22	136.44	Oct. 19	135.75	Dec. 23	132.38		
June 5	136.35	Nov. 29	134.17	Jan. 24, 1992	131.99	**Lowest water level:**	
June 30	135.70	Jan. 24, 1991	133.64	Feb. 19	132.14	Aug. 21, 1990	147.14

149-088-26BAB

Owner: USGS
Aquifer code: 112WSLD
Altitude: 1,988 feet
Date drilled: 06-01-92
Well depth: 260 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 29, 1992	130.39	Oct. 1, 1992	127.18	**Highest water level:**		**Lowest water level:**	
Aug. 27	129.30			Oct. 1, 1992	127.18	July 29, 1992	130.39

Table 2. Water levels for selected wells--Continued

149-089-24AAA

Owner: NDSWC 4048
Aquifer code: 112WSLD
Altitude: 1,957 feet

Date drilled: 07-13-70
Well depth: 172 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 14, 1970	61.85	Aug. 25, 1978	56.80	Sept. 28, 1987	52.05	Aug. 20, 1991	53.02
Sept. 9	61.65	Nov. 24	56.47	Dec. 5	51.90	Sept. 26	52.97
Dec. 1	61.20	May 23, 1979	56.90	Dec. 10, 1988	52.34	Oct. 22	52.77
Dec. 1, 1971	60.73	Aug. 24	56.40	Dec. 14	52.19	Nov. 20	52.39
Mar. 1, 1972	59.49	Nov. 19	55.80	July 13, 1989	52.24	Nov. 27	52.97
May 25	60.14	Feb. 20, 1980	55.55	Dec. 9	52.27	Dec. 23	52.99
Aug. 22	60.18	May 21	55.55	Dec. 12	52.25	Jan. 24, 1992	53.00
Dec. 4	60.07	Aug. 26	55.96	Mar. 20, 1990	52.75	Feb. 3	52.42
July 24, 1973	59.69	Nov. 25	55.80	Apr. 23	52.54	Feb. 19	52.92
Sept. 26	59.67	Mar. 5, 1981	54.25	May 24	52.64	Mar. 9	52.45
Dec. 5	59.52	June 29, 1982	55.11	June 21	52.75	Mar. 24	52.84
Feb. 27, 1974	59.15	Dec. 1	54.65	July 19	52.91	Apr. 29	52.84
May 22	59.05	Mar. 30, 1983	54.50	Aug. 17	52.35	May 21	52.75
Aug. 22	59.26	July 14	54.35	Aug. 21	53.01	July 7	52.70
Oct. 22	59.22	Sept. 29	54.55	Sept. 19	53.06	July 29	51.23
Dec. 5	58.85	Apr. 18, 1984	53.97	Oct. 2	52.40	July 30	52.43
Apr. 7, 1975	58.40	June 27	53.76	Oct. 19	53.04	Aug. 27	53.04
Aug. 26	58.29	Dec. 5	53.83	Nov. 29	53.01	Oct. 1	53.08
Dec. 4	58.75	Mar. 12, 1985	53.44	Nov. 30	52.45	Oct. 14	52.62
Mar. 3, 1976	57.75	June 26	53.25	Dec. 8	52.60	Oct. 29	52.57
May 21	57.66	Oct. 2	53.20	Jan. 24, 1991	52.99	Nov. 22	52.44
Aug. 30	57.61	Dec. 17	53.16	Feb. 19	52.96	Dec. 2	52.53
Nov. 30	57.42	Mar. 25, 1986	53.10	Mar. 25	53.00		
Mar. 1, 1977	57.29	June 19	53.05	Apr. 24	52.98	Highest water level:	
May 26	57.04	Sept. 16	52.77	May 30	52.86	July 29, 1992	51.23
Aug. 24	57.21	Nov. 14	52.48	June 13	52.35		
Feb. 27, 1978	56.82	Mar. 26, 1987	52.02	June 25	52.80	Lowest water level:	
May 24	56.80	June 24	52.15	July 15	52.89	July 14, 1970	61.85

149-094-28AAA1

Owner: USGS
Aquifer code: 125TGRV
Altitude: 2,300 feet

Date drilled: 06-10-92
Well depth: 295 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 30, 1992	189.32	Oct. 1, 1992	191.05	Highest water level:		Lowest water level:	
Aug. 28	191.04			July 30, 1992	189.32	Oct. 1, 1992	191.05

149-094-28AAA2

Owner: USGS
Aquifer code: 125SNLB
Altitude: 2,300 feet

Date drilled: 6-10-92
Well depth: 120 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 30, 1992	73.70	Oct. 1, 1992	73.95	Highest water level:		Lowest water level:	
Aug. 28	73.84			July 30, 1992	73.70	Oct. 1, 1992	73.95

Table 2. Water levels for selected wells--Continued

149-095-06ACC

Owner: NDSWC 5938
Aquifer code: 125TGRV
Altitude: 2,258 feet

Date drilled: 06-26-81
Well depth: 883 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Nov. 1, 1983	314.72	Jan. 24, 1991	314.45	Oct. 22, 1991	314.29	July 30, 1992	314.42
Apr. 23, 1990	314.25	Feb. 19	314.60	Nov. 28	314.05	Aug. 28	314.36
May 24	314.60	Mar. 26	314.50	Dec. 23	314.34	Oct. 1	314.45
June 21	314.39	Apr. 24	314.10	Jan. 24, 1992	314.23		
July 20	314.84	May 30	313.80	Feb. 20	314.32	**Highest water level:**	
Aug. 22	314.42	June 25	313.85	Mar. 24	314.38	May 30, 1991	313.80
Sept. 21	314.48	July 16	313.95	Apr. 29	314.23		
Oct. 22	314.57	Aug. 20	314.00	May 29	314.34	**Lowest water level:**	
Nov. 29	314.30	Sept. 26	313.95	July 7	314.27	July 20, 1990	314.84

149-095-09CDD

Owner: NDSWC 6275
Aquifer code: 211FXHL
Altitude: 2,226 feet

Date drilled: 07-17-84
Well depth: 1,564 feet

Date measured	Water level (feet)	Date measured	Water level (feat)	Date measured	Water level (feet)	Date measured	Water level (feet)
May 15, 1990	115.70	Mar. 26, 1991	116.83	Dec. 23, 1991	117.81	**Highest water level**	
June 22	116.05	Apr. 24	116.87	Jan. 24, 1992	117.92	May 15, 1990	115.70
July 20	116.29	May 30	116.91	Feb. 20	117.98		
Aug. 22	116.28	June 25	117.06	Mar. 24	118.04	**Lowest water level:**	
Sept. 22	116.49	July 16	117.30	Apr. 29	117.93	July 30, 1992	118.61
Oct. 22	116.72	Aug. 20	117.39	July 7	118.25	Oct. 1, 1992	118.61
Nov. 29	116.61	Sept. 26	117.51	July 30	118.61		
Jan. 24, 1991	116.91	Oct. 22	117.53	Aug. 28	118.49		
Feb. 19	116.75	Nov. 28	117.63	Oct. 1	118.61		

150-089-31BCC

Owner: NDSWC 4069
Aquifer code: 112WSLD
Altitude: 1,965 feet

Date drilled: 1970
Well depth: 278 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 28, 1970	117.86	Oct. 19, 1990	108.14	Sept. 26, 1991	108.24	July 29, 1992	107.31
Sept. 9	117.74	Nov. 29	108.12	Oct. 22	107.77	Aug. 27	108.57
Dec. 1	117.10	Jan. 24, 1991	108.29	Nov. 27	108.20	Oct. 1	108.19
Mar. 20, 1990	108.10	Feb. 19	108.20	Dec. 23	108.29		
Apr. 23	107.56	Mar. 25	110.82	Jan. 24, 1992	107.96	**Highest water level:**	
May 24	107.95	Apr. 24	109.84	Feb. 19	108.19	Apr. 23, 1990	107.56
June 21	108.19	May 30	108.10	Mar. 24	108.10		
July 19	108.22	June 25	108.22	Apr. 29	108.19	**Lowest water level:**	
Aug. 21	108.27	July 16	108.35	May 21	108.22	July 28, 1970	117.86
Sept. 19	108.13	Aug. 20	108.17	July 7	108.09		

150-089-32DAA

Owner: NDSWC 5557
Aquifer code: 112WSLD
Altitude: 1,972 feet
Date drilled: 1969
Well depth: 224 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Nov. 4, 1969	117.21	June 21, 1990	106.49	July 15, 1991	106.69	July 29, 1992	106.69
Dec. 19	117.58	July 19	106.64	Aug. 20	106.61	Aug. 27	106.60
Jan. 20, 1970	117.38	Aug. 21	106.64	Sept. 26	106.64	Oct. 1	106.68
Feb. 19	117.35	Sept. 19	106.57	Oct. 22	106.17		
Mar. 24	116.80	Oct. 19	106.50	Nov. 27	106.46	Highest water level:	
Apr. 22	118.86	Nov. 29	106.53	Dec. 23	106.38	Apr. 23, 1990	105.98
June 5	117.08	Jan. 24, 1991	106.60	Jan. 24, 1992	106.25		
June 30	116.72	Feb. 19	106.57	Feb. 19	106.23	Lowest water level:	
Sept. 9	116.42	Mar. 25	106.54	Mar. 24	106.40	Apr. 22, 1970	118.86
Dec. 1	115.79	Apr. 24	106.55	Apr. 29	106.45		
Apr. 23, 1990	105.98	May 30	106.53	May 21	106.51		
May 24	106.34	June 25	106.63	July 7	106.44		

150-090-36AAA

Owner: NDSWC 4071
Aquifer code: 112WSLD
Altitude: 1,998 feet
Date drilled: 07-22-70
Well depth: 299 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 28, 1970	152.92	Dec. 17, 1985	143.41	Nov. 30, 1990	143.05	Feb. 19, 1992	143.09
Sept. 9	152.82	Nov. 14, 1986	142.39	Dec. 8	143.12	Mar. 24	143.06
Dec. 1	152.21	Dec. 5, 1987	141.75	Jan. 24, 1991	143.26	Apr. 29	143.10
Dec. 4, 1972	150.60	Dec. 14, 1988	142.56	Feb. 19	143.18	May 21	143.14
Dec. 5, 1973	150.05	July 13, 1989	143.00	Mar. 25	143.09	July 7	143.06
Dec. 5, 1974	148.99	Dec. 9	142.78	Apr. 24	143.09	July 29	143.29
Dec. 4, 1975	147.69	Mar. 20, 1990	143.05	May 30	143.09	Aug. 27	143.49
Nov. 30, 1976	147.55	Apr. 23	142.51	June 25	143.21	Oct. 1	143.25
Nov. 29, 1977	147.09	May 24	142.92	July 16	143.34	Nov. 22	143.03
Nov. 22, 1978	146.97	June 21	143.10	Aug. 20	143.14		
Nov. 19, 1979	145.85	July 19	143.24	Sept. 26	143.21	Highest water level:	
Nov. 25, 1980	147.28	Aug. 21	142.71	Oct. 22	142.74	Dec. 5, 1987	141.75
Dec. 1, 1981	145.10	Sept. 19	143.12	Nov. 27	143.07		
Dec. 1, 1982	144.25	Oct. 19	143.11	Dec. 23	143.19	Lowest water level:	
Dec. 5, 1984	143.75	Nov. 29	143.06	Jan. 24, 1992	142.87	July 28, 1970	152.92

151-092-30ADD

Owner: USGS
Aquifer code: 112SANISH
Altitude: 1,898 feet
Date drilled: 06-04-92
Well depth: 210 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Data measured	Water level (feet)
July 29, 1992	50.00	Oct. 1, 1992	49.93	Highest water level:		Lowest water level:	
Aug. 27	49.98			Oct. 1, 1992	49.93	July 29, 1992	50.00

Table 2. Water levels for selected wells--Continued

151-093-21ADD

Owner: USGS
Aquifer code: 112SANISH
Altitude: 1,995 feet
Date drilled: 06-05-92
Well depth: 290 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 5, 1992	154.95	Oct. 1, 1992.....	152.38	Highest water level:		Lowest water level:	
Aug. 27	152.69			Oct. 1, 1992	152.38	Aug. 5, 1992.....	154.95

151-093-24DCC

Owner: USGS
Aquifer code: 112SANISH
Altitude: 1,925 feet
Date drilled: 06-03-92
Well depth: 145 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 29, 1992.....	79.65	Oct. 1, 1992.....	79.80	Highest water level:		Lowest water level:	
Aug. 27	79.50			Aug. 27, 1992.....	79.50	Oct. 1, 1992	79.80

151-093-27BBB

Owner: USGS
Aquifer code: 112SANISH
Altitude: 1,985 feet
Date drilled: 06-04-92
Well depth: 240 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 27, 1992.....	142.80	Oct. 1, 1992.....	142.76	Highest water level:		Lowest water level:	
Aug. 27	141.70			Aug. 27, 1992.....	141.70	July 27, 1992	142.80

151-095-04DBD1

Owner: NDSWC 5939
Aquifer code: 125CBLD
Altitude: 2,308.8 feet
Date drilled: 06-30-81
Well depth: 1,196 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Nov. 1, 1983	233.28	Jan. 24, 1991.....	231.15	Oct. 22, 1991	231.47	July 29, 1992	231.98
Apr. 23, 1990.....	231.70	Feb. 19.....	231.52	Nov. 28	231.46	Aug. 27.....	231.99
May 24.....	231.85	Mar. 25	231.55	Dec. 23	231.44	Oct. 1	231.88
June 22.....	231.75	Apr. 24.....	231.58	Jan. 24, 1992.....	231.45		
July 20	231.70	May 30	231.57	Feb. 20	230.86	Highest water level:	
Aug. 22	231.72	June 25	231.57	Mar. 24	231.38	May 29, 1992.....	231.34
Sept. 21	231.46	July 16.....	231.60	Apr. 29	231.49		
Oct. 22.....	231.46	Aug. 20	231.56	May 29	230.34	Lowest water level:	
Nov. 29	231.49	Sept. 26	231.48	July 7	231.00	Nov. 1, 1983.....	233.28

Table 2. Water levels for selected wells--Continued

151-095-04DBD2

Owner: NDSWC 6164
Aquifer code: 211FXHL
Altitude: 2,309 feet

Date drilled: 06-30-81
Well depth: 1,432 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Nov. 1, 1983	184.50	Jan. 24, 1991	194.86	Oct. 22, 1991	196.63	July 29, 1992	198.70
Apr. 23, 1990	193.22	Feb. 19	194.83	Nov. 28	196.59	Aug. 27	198.84
May 24	193.75	Mar. 25	194.92	Dec. 23	197.00	Oct. 1	199.14
June 21	193.69	Apr. 24	195.13	Jan. 24, 1992	197.10		
July 20	193.93	May 30	195.36	Feb. 20	197.48	**Highest water level:**	
Aug. 22	193.98	June 25	195.62	Mar. 24	196.74	Nov. 1, 1983	184.50
Sept. 21	194.25	July 16	195.94	Apr. 29	196.82		
Oct. 22	194.48	Aug. 20	196.19	May 29	197.22	**Lowest water level:**	
Nov. 29	194.46	Sept. 26	196.53	July 7	198.37	Oct. 1, 1992	199.14

151-095-36BBA

Owner: NDSWC 6053
Aquifer code: 125CBLD
Altitude: 2,262 feet

Date drilled: 05-28-82
Well depth: 882 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Nov. 1, 1983	344.22	Apr. 24, 1991	343.74	Jan. 24, 1992	344.14	**Highest water level:**	
July 20, 1990	344.15	May 30	343.55	Feb. 20	344.13	July 16, 1991	343.30
Aug. 22	344.08	June 25	343.49	Mar. 24	344.09		
Sept. 21	344.12	July 16	343.30	Apr. 29	343.99	**Lowest water level:**	
Oct. 22	344.28	Aug. 20	344.06	May 29	344.10	Oct. 22, 1990	344.28
Nov. 29	344.18	Sept. 26	343.90	July 7	344.05		
Jan. 24, 1991	343.60	Oct. 22	344.10	July 30	344.02		
Feb. 19	343.90	Nov. 28	344.08	Aug. 28	344.08		
Mar. 26	343.98	Dec. 23	344.12	Oct. 1	344.27		

Table 2. Water levels for selected wells--Continued

152-087-16AAA

Owner: NDSWC 3318
Aquifer code: 112VANG
Altitude: 2,030 feet

Date drilled: 05-24-66
Well depth: 17 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
July 26, 1966	9.06	June 10, 1974	7.01	Dec. 4, 1985	8.53	Mar. 25, 1991	10.50
Aug. 4	9.13	Sept. 3	7.52	Dec. 7	8.52	Apr. 23	10.57
Oct. 5	10.00	Dec. 4	8.26	Mar. 29, 1986	8.39	Apr. 24	10.56
Jan. 17, 1967	8.76	Mar. 4, 1975	7.79	June 28	7.70	May 30	10.60
Feb. 17	8.92	June 23	5.58	Sept. 29	8.07	June 13	10.60
Mar. 10	8.15	Sept. 30	6.64	Dec. 2	8.42	June 25	10.59
Apr. 23	8.15	Dec. 4	6.64	Dec. 21	8.54	July 16	10.57
May 22	7.97	June 12, 1976	6.37	Apr. 19, 1987	8.28	Aug. 20	10.51
June 20	8.06	Sept. 3	7.11	June 20	8.53	Sept. 5	10.54
July 22	8.28	Dec. 1	8.12	Sept. 27	8.82	Sept. 26	10.34
Aug. 14	8.47	Feb. 28, 1977	8.77	Dec. 12	9.21	Oct. 22	10.01
Aug. 18	8.50	June 7	8.76	Mar. 26, 1988	9.42	Nov. 12	10.34
Oct. 23	8.94	Sept. 7	8.16	June 25	9.47	Nov. 19	10.30
Jan. 15, 1968	9.28	Sept. 23	9.05	Sept. 24	9.69	Nov. 27	10.34
Apr. 15	8.91	Dec. 6	8.77	Nov. 21	9.80	Dec. 23	10.40
July 22	8.88	Mar. 25, 1978	8.96	Dec. 10	9.88	Jan. 24, 1992	10.48
Oct. 21	8.49	June 15	6.02	Mar. 26, 1989	9.57	Feb. 19	10.49
Jan. 20, 1969	8.91	Sept. 22	7.35	June 24	9.29	Mar. 9	10.49
May 2	7.79	Nov. 21	7.65	Sept. 19	9.58	Mar. 24	10.42
July 30	7.54	Mar. 1, 1979	8.50	Sept. 24	9.63	Apr. 29	10.13
Dec. 19	8.35	June 6	6.87	Nov. 27	9.82	May 21	10.02
Mar. 11, 1970	8.78	Sept. 5	7.65	Dec. 9	9.87	June 11	9.98
June 12	6.11	Dec. 6	8.42	Mar. 4, 1990	10.17	July 7	9.94
Sept. 16	6.11	Mar. 6, 1980	8.98	Mar. 20	9.70	July 29	10.09
Nov. 30	6.78	June 5	8.91	Apr. 23	9.95	Aug. 6	10.62
Mar. 13, 1971	7.74	Sept. 5	9.30	May 24	10.20	Aug. 22	9.94
June 1	7.50	Dec. 4	9.45	June 21	10.09	Aug. 27	9.77
Sept. 8	7.53	Mar. 6, 1981	9.61	June 26	10.11	Oct. 1	9.98
Nov. 29	7.93	June 10	9.66	July 19	9.93	Nov. 22	10.31
Mar. 10, 1972	8.72	Sept. 4	9.60	Aug. 21	9.98		
June 9	7.71	Nov. 30	9.76	Sept. 18	10.05	**Highest water level:**	
Sept. 8	7.50	Mar. 22, 1982	9.95	Sept. 20	9.98	June 23, 1975	5.58
Dec. 4	8.03	June 15, 1984	7.70	Oct. 21	10.15		
Mar. 9, 1973	8.27	Sept. 22	8.35	Nov. 19	10.26	**Lowest water level:**	
June 8	8.09	Dec. 2	8.74	Nov. 29	9.67	Aug. 6, 1992	10.62
Aug. 31	7.86	Dec. 3	8.74	Dec. 8	10.32		
Dec. 3	7.85	Mar. 23, 1985	9.05	Jan. 24, 1991	10.08		
Mar. 8, 1974	8.35	Sept. 28	8.43	Feb. 19	10.14		

152-087-18DDD

Owner: NDSWC 3197
Aquifer code: 112VANG
Altitude: 2,035 feet

Date drilled: 05-13-65
Well depth: 117 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
June 17, 1965	40.40	Nov. 30, 1976	32.84	Apr. 23, 1990	37.33	Nov. 27, 1991	37.91
Aug. 19	37.12	Dec. 6, 1977	33.76	May 24	36.40	Dec. 23	38.02
Sept. 13	36.98	Nov. 21, 1978	33.36	June 21	37.31	Jan. 24, 1992	37.97
Oct. 23	36.68	Dec. 6, 1979	33.76	July 19	37.45	Feb. 19	38.05
Nov. 23	36.59	Dec. 4, 1980	34.85	Aug. 21	37.58	Mar. 24	37.90
Dec. 30	36.73	Nov. 30, 1981	36.05	Sept. 20	37.47	Apr. 29	37.97
Jan. 31, 1966	36.62	Dec. 9, 1982	34.73	Oct. 21	37.71	May 21	38.01
Mar. 14	36.76	Nov. 29, 1983	34.50	Nov. 19	37.81	July 7	37.98
May 11	36.50	Dec. 2, 1984	34.52	Nov. 29	37.03	July 29	38.14
June 6	36.39	Dec. 3	34.57	Dec. 8	37.86	Aug. 5	38.25
Aug. 3	39.52	July 9, 1985	34.50	Jan. 24, 1991	37.83	Aug. 27	38.79
Aug. 18, 1967	37.05	Dec. 4	34.38	Feb. 19	37.87	Oct. 1	38.32
July 22, 1968	37.80	Dec. 7	34.30	Mar. 25	37.99	Nov. 22	37.70
July 30, 1969	36.74	Dec. 21, 1986	33.85	Apr. 24	38.03		
Dec. 19	36.61	Dec. 12, 1987	34.56	May 30	37.93	**Highest water level:**	
Nov. 30, 1970	34.14	Nov. 21, 1988	36.13	June 25	37.88	Dec. 4, 1975	32.20
Nov. 29, 1971	34.50	Dec. 10	36.20	July 16	38.09		
Dec. 4, 1972	34.37	Sept. 19, 1989	36.85	Aug. 20	38.13	**Lowest water level:**	
Dec. 3, 1973	33.75	Nov. 27	36.67	Sept. 26	38.10	June 17, 1965	40.40
Dec. 4, 1974	34.07	Dec. 9	32.59	Oct. 22	38.02		
Dec. 4, 1975	32.20	Mar. 20, 1990	37.25	Nov. 19	38.01		

152-087-28DAA

Owner: NDSWC 01
Aquifer code: 112HDLK
Altitude: 2,030 feet

Date drilled: 05-18-65
Well depth: 150 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
June 17, 1965	29.02	Nov. 30, 1976	23.05	Apr. 23, 1990	25.15	Nov. 19, 1991	25.51
Aug. 19	26.22	Dec. 6, 1977	22.49	May 24	25.15	Nov. 27	25.76
Sept. 13	26.10	Nov. 21, 1978	22.25	June 21	25.05	Dec. 23	25.75
Oct. 23	26.00	Dec. 6, 1979	22.44	July 19	25.22	Jan. 24, 1992	25.63
Nov. 23	25.75	Dec. 4, 1980	23.25	Aug. 21	25.34	Feb. 19	25.85
Dec. 30	26.40	Nov. 30, 1981	24.08	Sept. 20	25.38	Mar. 24	25.79
Jan. 31, 1966	25.66	Dec. 9, 1982	23.10	Oct. 21	25.39	Apr. 29	25.85
Mar. 14	25.69	Nov. 29, 1983	23.00	Nov. 19	25.30	May 21	25.90
May 11	25.40	Dec. 2, 1984	22.86	Nov. 29	25.33	July 7	25.79
June 6	25.35	Dec. 3	22.92	Dec. 8	25.38	July 29	26.09
Aug. 3	26.57	July 9, 1985	22.88	Jan. 24, 1991	25.40	Aug. 5	25.91
Aug. 18, 1967	25.81	Dec. 4	22.90	Feb. 19	25.41	Aug. 27	26.09
July 22, 1968	26.14	Dec. 7	22.79	Mar. 25	25.66	Oct. 1	26.15
July 30, 1969	25.36	Dec. 21, 1986	23.10	Apr. 24	25.70	Nov. 22	25.85
Dec. 19	25.32	Dec. 12, 1987	22.43	May 30	25.49		
Nov. 30, 1970	23.55	Nov. 21, 1988	23.88	June 25	25.65	**Highest water level:**	
Nov. 29, 1971	23.60	Dec. 10	23.95	July 15	25.80	Dec. 4, 1975	21.79
Dec. 4, 1972	23.49	Sept. 19, 1989	24.52	Aug. 20	25.85		
Dec. 3, 1973	23.20	Nov. 27	24.63	Sept. 26	25.63	**Lowest water level:**	
Dec. 4, 1974	22.82	Dec. 9	24.61	Oct. 22	25.63	June 17, 1965	29.02
Dec. 4, 1975	21.79	Mar. 20, 1990	24.80	Nov. 12	25.44		

Table 2. Water levels for selected wells--Continued

152-088-04BBBD1

Owner: NDSWC 11803
Aquifer code: 125SNLB
Altitude: 2,094.73 feet

Date drilled: 07-18-86
Well depth: 71 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
May 16, 1990	41.00	Mar. 25, 1991	39.77	Dec. 23, 1991	37.06	Oct. 1, 1992	40.38
June 21	39.49	Apr. 24	42.62	Jan. 24, 1992	36.99		
July 19	40.77	May 30	43.97	Feb. 19	39.11	**Highest water level:**	
Aug. 21	40.88	June 25	39.10	Mar. 24	37.00	Jan. 24, 1992	36.99
Sept. 20	39.88	July 16	44.24	Apr. 29	38.77		
Oct. 21	40.89	Aug. 20	43.14	May 31	38.39	**Lowest water level:**	
Nov. 29	38.23	Sept. 26	42.12	July 7	40.65	July 16, 1991	44.24
Jan. 24, 1991	37.98	Oct. 22	41.70	July 29	40.17		
Feb. 19	41.74	Nov. 27	39.11	Aug. 27	37.97		

152-088-04BBBD2

Owner: NDSWC 11955
Aquifer code: 125SNLB
Altitude: 2,095 feet

Date drilled: 04-22-87
Well depth: 87 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
May 16, 1990	42.84	Mar. 25, 1991	40.89	Dec. 23, 1991	38.40	Oct. 1, 1992	40.61
June 21	41.39	Apr. 24	42.84	Jan. 24, 1992	38.47		
July 19	42.82	May 30	44.85	Feb. 19	39.77	**Highest water level:**	
Aug. 21	44.79	June 25	40.57	Mar. 24	38.44	Dec. 23, 1991	38.40
Sept. 20	44.94	July 16	45.12	Apr. 29	38.96		
Oct. 21	42.77	Aug. 20	43.89	May 21	38.58	**Lowest water level:**	
Nov. 29	39.66	Sept. 26	42.48	July 7	40.92	July 16, 1991	45.12
Jan. 24, 1991	39.35	Oct. 22	42.39	July 29	40.90		
Feb. 19	41.83	Nov. 27	39.28	Aug. 27	39.39		

152-089-23CCC

Owner: Mountrail Water Users
Aquifer code: 112BDVL
Altitude: 1,970 feet

Date drilled: 10-13-77
Well depth: 47 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Apr. 23, 1990	9.55	Feb. 19, 1991	9.34	Nov. 27, 1991	9.10	Aug. 27, 1992	10.01
May 24	9.70	Mar. 25	9.14	Dec. 23	9.14	Oct. 1	9.64
June 21	9.56	Apr. 24	9.49	Jan. 24, 1992	8.86		
July 19	9.89	May 30	9.65	Feb. 19	8.32	**Highest water level:**	
Aug. 21	10.77	June 25	9.49	Mar. 24	8.82	May 21, 1992	5.49
Sept. 20	10.82	July 15	9.86	Apr. 29	9.05		
Oct. 21	9.93	Aug. 20	10.06	May 21	5.49	**Lowest water level:**	
Nov. 29	9.97	Sept. 26	9.59	July 7	9.43	Sept. 20, 1990	10.82
Jan. 24, 1991	9.48	Oct. 22	9.47	July 29	9.99		

152-089-28DCD

Owner: John Rodgers
Aquifer code: 125TGRV
Altitude: 1,990 feet
Date drilled: 11-30-88
Well depth: 72 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
May 16, 1990	42.64	Jan. 24, 1991	42.93	Aug. 20, 1991	42.92	**Highest water level:**	
June 21	42.65	Feb. 19	42.78	Sept. 26	42.87	Oct. 22, 1991	42.43
July 19	42.74	Mar. 25	42.70	Oct. 22	42.43		
Aug. 21	42.95	Apr. 24	42.70	Nov. 27	42.90	**Lowest water level:**	
Sept. 20	43.12	May 30	42.68	Dec. 23	42.75	Sept. 20, 1990	43.12
Oct. 21	43.04	June 25	42.65				
Nov. 29	42.91	July 16	42.74				

152-092-19AAB

Owner: NDSWC 3424
Aquifer code: 112NWTN
Altitude: 1,892 feet
Date drilled: --
Well depth: 158 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 9, 1967	48.84	July 15, 1968	50.68	Sept. 9, 1969	48.37	Nov. 6, 1972	46.25
Sept. 13	50.50	July 20	50.79	Oct. 10	48.04	Dec. 4	47.32
Oct. 10	50.23	July 25	49.83	Nov. 6	49.12	Jan. 10, 1973	48.00
Oct. 26	50.73	July 31	49.68	Dec. 4	50.37	Feb. 5	49.16
Oct. 31	50.88	Aug. 5	50.01	Dec. 31	51.76	Feb. 26	49.76
Nov. 5	51.28	Aug. 10	49.64	Jan. 26, 1970	53.22	Mar. 12	49.44
Nov. 10	51.25	Aug. 15	49.13	Feb. 24	55.27	Apr. 2	49.42
Nov. 15	51.45	Aug. 20	48.85	Mar. 23	55.34	Apr. 30	50.16
Nov. 20	51.48	Aug. 25	48.45	Apr. 21	55.24	June 5	48.39
Nov. 25	51.50	Aug. 31	48.17	May 18	54.49	July 2	46.23
Nov. 30	51.96	Sept. 5	48.00	June 15	52.00	July 31	46.95
Dec. 4	52.38	Sept. 10	47.92	July 13	49.07	Sept. 4	46.82
Dec. 5	52.52	Sept. 15	47.72	Aug. 10	47.92	Oct. 1	46.79
Dec. 7	52.99	Sept. 20	47.45	Sept. 8	48.38	Nov. 5	48.19
Jan. 9, 1968	54.21	Sept. 25	47.60	Oct. 5	47.24	Dec. 3	49.05
Jan. 10	54.17	Sept. 30	47.51	Nov. 2	48.25	Jan. 7, 1974	50.65
Jan. 15	54.53	Oct. 2	47.79	Nov. 30	48.85	Jan. 29	51.81
Jan. 20	54.92	Oct. 5	47.75	Jan. 4, 1971	51.38	Mar. 4	53.26
Jan. 25	55.08	Oct. 10	48.05	Feb. 1	52.50	Apr. 5	53.64
Jan. 31	55.35	Oct. 15	48.53	Mar. 1	52.65	Apr. 29	52.70
Feb. 5	55.55	Oct. 20	48.54	Apr. 6	50.35	June 7	52.23
Feb. 10	55.67	Oct. 25	48.45	May 3	50.30	July 1	50.03
Feb. 15	55.83	Oct. 31	48.95	June 1	50.45	July 30	46.98
Feb. 25	56.47	Nov. 5	48.95	June 29	47.69	Sept. 3	46.36
Feb. 28	56.65	Nov. 10	49.00	Aug. 2	48.49	Sept. 30	47.21
Mar. 5	56.55	Nov. 15	48.95	Sept. 7	47.32	Nov. 4	47.90
Mar. 10	56.65	Nov. 20	49.00	Oct. 4	47.24	Dec. 2	48.76
Mar. 13	56.36	Nov. 25	49.08	Nov. 1	47.07	Jan. 6, 1975	50.36
Apr. 10	53.10	Nov. 30	49.94	Dec. 2	47.97	Feb. 3	51.45
May 5	54.20	Dec. 5	49.52	Jan. 3, 1972	50.27	Feb. 13	51.88
May 13	54.17	Jan. 2, 1969	50.75	Jan. 31	51.07	Mar. 11	52.87
June 10	55.83	Feb. 11	53.28	Mar. 6	51.85	Apr. 16	53.45
June 15	55.80	Mar. 10	55.04	Apr. 3	47.01	Apr. 30	51.44
June 20	53.97	Apr. 10	53.56	May 1	47.60	June 2	48.09
June 25	53.43	May 5	51.27	June 5	48.22	June 30	45.08
June 30	51.87	June 2	51.59	July 7	46.44	Aug. 4	42.28
July 5	51.28	June 30	47.91	July 31	46.13	Sept. 2	43.25
July 8	52.13	July 28	45.30	Sept. 5	46.46	Sept. 29	44.92
July 10	51.03	Aug. 22	47.22	Oct. 2	45.89	Nov. 3	46.79

Table 2. Water levels for selected wells--Continued

152-092-19AAB--Continued

Owner: NDSWC 3424
Aquifer code: 112NWTN
Altitude: 1,892 feet

Date drilled: --
Well depth: 158 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Dec. 1, 1975	48.00	Oct. 31, 1977	56.22	June 4, 1985	52.30	Aug. 20, 1991	65.95
Jan. 5, 1976	49.95	Nov. 28	57.53	Dec. 3	53.69	Sept. 26	65.98
Feb. 2	51.03	Jan. 3, 1978	57.62	Nov. 20, 1986	47.43	Oct. 22	65.16
Mar. 5	51.46	Mar. 3	57.73	Sept. 23, 1987	51.51	Nov. 6	65.09
Mar. 29	50.30	June 5	51.86	Nov. 18	52.32	Nov. 28	64.57
May 3	50.45	Sept. 5	47.10	Nov. 16, 1988	63.68	Dec. 23	65.70
June 1	50.85	Nov. 27	50.56	Nov. 27, 1989	66.24	Jan. 24, 1992	66.65
June 28	46.97	Mar. 8, 1979	50.01	Mar. 21, 1990	68.36	Feb. 20	67.08
Aug. 2	47.45	June 6	48.85	Apr. 23	68.47	Mar. 24	66.86
Aug. 30	47.94	Sept. 7	49.29	May 24	69.80	Apr. 29	69.09
Oct. 4	48.42	Nov. 26	48.76	June 21	70.39	May 21	69.66
Nov. 1	48.92	Mar. 17, 1980	54.05	July 19	68.26	July 7	68.87
Nov. 29	50.23	June 2	55.57	Aug. 21	69.03	July 29	69.59
Jan. 3, 1977	51.82	Aug. 27	53.59	Sept. 21	69.23	Aug. 28	68.90
Jan. 31	53.88	Dec. 1	55.84	Oct. 21	68.63	Oct. 1	69.65
Feb. 28	54.98	Mar. 16, 1981	59.56	Nov. 14	67.91		
Apr. 13	56.20	June 5	60.53	Nov. 29	68.29	**Highest water level:**	
May 2	57.14	Sept. 3	58.39	Jan. 24, 1991	69.06	Aug. 4, 1975	42.28
May 31	56.01	Nov. 30	57.39	Feb. 19	70.23		
July 5	56.71	May 12, 1982	56.23	Mar. 25	71.29	**Lowest water level:**	
July 15	55.80	July 21	51.93	Apr. 24	72.48	May 30, 1991	72.92
Aug. 1	56.61	Dec. 1	49.24	May 30	72.92		
Aug. 29	56.38	Dec. 1, 1983	49.22	June 25	69.63		
Oct. 3	56.09	Nov. 29, 1984	48.95	July 16	66.85		

153-094-23CCC1

Owner: NDSWC 5781
Aquifer code: 211HCFH
Altitude: 2,186 feet

Date drilled: 08-21-80
Well depth: 1,767 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 21, 1980	74.27	Jan. 24, 1991	74.13	Dec. 23, 1991	75.70	Oct. 1, 1992	77.47
Apr. 23, 1990	72.67	Feb. 19	74.32	Jan. 24, 1992	75.74		
May 24	73.35	Mar. 25	74.50	Feb. 20	76.05	**Highest water level:**	
June 21	72.85	Apr. 24	74.69	Mar. 24	76.22	Apr. 23, 1990	72.67
July 20	73.06	May 30	74.89	Apr. 29	76.45		
Aug. 21	73.09	June 25	74.93	May 29	76.76	**Lowest water level:**	
Sept. 21	73.45	July 16	75.04	July 7	79.96	Oct. 1, 1992	77.47
Oct. 21	73.54	Aug. 20	75.19	July 29	76.93		
Nov. 29	73.77	Oct. 22	75.47	Aug. 27	77.44		

153-094-23CCC2

Owner: NDSWC 5781A
Aquifer code: 125CBLD
Altitude: 2,186 feet

Date drilled: 08-21-80
Well depth: 1,434 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 21, 1980	148.12	Jan. 24, 1991	150.48	Oct. 22, 1991	150.58	July 29, 1992	151.02
Apr. 23, 1990	149.60	Feb. 19	150.44	Nov. 27	150.62	Aug. 27	150.91
May 24	149.85	Mar. 25	150.44	Dec. 23	150.60	Oct. 1	151.01
June 21	149.89	Apr. 24	150.44	Jan. 24, 1992	150.59		
July 20	149.96	May 30	150.47	Feb. 20	150.82	**Highest water level:**	
Aug. 21	150.05	June 25	150.43	Mar. 24	150.79	Aug. 21, 1980	148.12
Sept. 21	150.19	July 16	150.52	Apr. 29	150.72		
Oct. 21	150.16	Aug. 20	150.55	May 29	150.86	**Lowest water level:**	
Nov. 29	150.19	Sept. 26	150.63	July 7	150.82	July 29, 1992	151.02

153-094-23CCC3

Owner: NDSWC 5781B
Aquifer code: 125TGRV
Altitude: 2,186 feet

Date drilled: 08-21-80
Well depth: 895 feet

Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)	Date measured	Water level (feet)
Aug. 21, 1980	330.83	Jan. 24, 1991	333.70	Oct. 22, 1991	334.15	July 29, 1992	334.71
Apr. 23, 1990	333.40	Feb. 19	334.00	Nov. 27	334.14	Aug. 27	334.68
May 24	333.70	Mar. 25	334.10	Dec. 23	334.18	Oct. 1	334.72
June 21	333.60	Apr. 24	334.19	Jan. 24, 1992	334.18		
July 20	333.44	May 30	333.90	Feb. 20	334.27	**Highest water level:**	
Aug. 21	333.36	June 25	334.10	Mar. 24	334.21	Aug. 21, 1980	330.83
Sept. 21	333.48	July 16	334.00	Apr. 29	334.45		
Oct. 21	333.50	Aug. 20	334.16	May 29	334.52	**Lowest water level:**	
Nov. 29	333.90	Sept. 26	334.05	July 7	334.66	Oct. 1, 1992	334.72

Table 3. Drillers' logs of wells and test holes

146-088-10CBA
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	5	5	Clay, gray, with thin lignite bed	38	226
Clay, yellow	13	18	Sand	2	228
Sand and clay	20	38	Clay, gray	14	242
Sand	18	56	Lignite	3	245
Lignite	7	63	Clay, gray, with lignite streaks	10	255
Sand	33	96	Lignite	20	275
Lignite	6	102	Clay, gray	33	308
Clay, gray and green	52	154	Sand	2	310
Sand	34	188			

146-089-08AAB
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	5	5	Sand and clay	10	185
Sand and clay	3	8	Clay, sandy	12	197
Gravel	5	13	Lignite	7	204
Clay, gray	3	16	Clay, sandy, gray	6	210
Lignite	5	21	Sand	2	212
Clay, gray	65	86	Clay, gray	77	289
Lignite	2	88	Lignite	6	295
Clay, gray	24	112	Clay, gray	21	316
Sand	1	113	Sand	15	331
Clay, gray	37	150	Clay, gray	7	338
Sand and clay	13	163	Sand	64	402
Clay, gray	12	175			

146-089-09CCB
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	5	5	Clay, gray, and a small amount of sand	16	195
Gravel	9	14	Clay, gray and brown	14	209
Lignite	2	16	Sand	2	211
Clay, gray	39	55	Clay, gray	15	226
Clay, gray, with thin lignite beds	28	83	Clay, gray, with thin lignite beds	16	242
Clay, gray, and sand	44	127	Lignite	5	247
Clay, gray	7	134	Sand	2	249
Sand	16	150	Lignite	3	252
Lignite	5	155	Clay, gray, with layers of sand	17	269
Sand	24	179	Sand	21	290

Table 3. Drillers' logs of wells and test holes--Continued

146-090-05DAA
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	4	4	Lignite	6	60
Clay, gray	14	18	Clay, gray	112	172
Lignite	7	25	Sand	44	216
Clay, sandy	5	30	Lignite	2	218
Sand	20	50	Clay, gray	37	255
Clay, gray	4	54			

146-091-05ACB
(Log modified from Gregory Drilling, Inc.)

Altitude: 2,190 feet **Date drilled:** 03-12-90

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, brown	27	27	Sand, gray	19	194
Rock	3	30	Rock	1	195
Sand, blue	4	34	Sand, gray	4	199
Lignite	2	36	Rock	2	201
Clay	34	70	Sand, gray	6	207
Lignite	5	75	Lignite	8	215
Clay	10	85	Clay	16	231
Clay, sandy	5	90	Rock	3	234
Lignite	3	93	Clay	12	246
Clay	52	145	Lignite	4	250
Lignite	5	150	Clay	39	289
Clay	15	165	Rock	1	290
Clay, sandy	10	175	Clay	10	300

146-091-20ABA
(Log modified from Russell Drilling Co., Inc.)

Altitude: 1,980 feet **Date drilled:** 06-20-75

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, silty	40	40	Clay, with fine sand	49	164
Clay, silty	37	77	Sand, medium to coarse, with gravel streaks	26	190
Sand, fine	38	115			

Table 3. Drillers' logs of wells and test holes--Continued

146-091-20DDD2
(Log modified from Mann Drilling Co.)

Altitude: 1,980 feet **Date drilled:** 07-13-74

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay	37	37	Clay, gray	7	79
Sand and gravel	35	72	Sand and gravel	41	120

146-091-24BDB2
(Log modified from Thompson Drilling)

Altitude: 2,200 feet **Date drilled:** 04-04-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil and clay	20	20	Sand	1	61
Sandy	5	25	Rock	2	63
Rock	.5	25.5	Sandy	8.5	71.5
Sandy	19.5	45	Rock	1.5	73
Rock	1.5	46.5	Sandy	47	120
Sandy	8.5	55	Sand; water	18	138
Rock	5	60	Clay	2	140

146-091-25ACC
(Log modified from Mann Drilling Co.)

Altitude: 2,190 feet **Date drilled:** 07-12-74

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand	170	170	Clay	4	180
Lignite	6	176			

146-091-31BDA1
(Log modified from Thompson Drilling)

Altitude: 2,230 feet **Date drilled:** 10-18-76

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil and sand	11	11	Sand, blue	15	80
Rock	2	13	Clay	3	83
Sand, red	52	65			

Table 3. Drillers' logs of wells and test holes--Continued

146-091-31BDA2
(Log modified from Opp Well Drilling)

Altitude: 2,200 feet

Date drilled: 08-28-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Lignite	1	50
Sand, brown	24	27	Clay, blue	15	65
Sand, gray	8	35	Clay, dark	5	70
Sand, blue; water	14	49			

146-092-15BBB
(Log modified from Gregory Drilling, inc.)

Altitude: 1,930 feet

Date drilled: 11-22-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand and sandy clay	22	22	Shale	65	1,013
Clay	25	47	Sandstone	1	1,014
Lignite	3	50	Shale	91	1,105
Clay	36	86	Sandstone	1	1,106
Lignite	9	95	Shale	24	1,130
Clay	44	139	Sandstone	1	1,131
Lignite	6	145	Shale	55	1,186
Clay	7	152	Sandstone	1	1,187
Clay, sandy, gray	23	175	Shale	28	1,215
Clay	76	251	Shale, sandy	10	1,225
Sandstone	4	255	Shale	18	1,243
Clay	90	345	Sandstone	1	1,244
Sandstone	2	347	Sand	16	1,260
Clay	4	351	Shale	72	1,332
Sandstone	1	352	Sandstone	2	1,334
Clay	78	430	Shale, sandy	13	1,347
Clay, silty	32	462	Sandstone	2	1,349
Sandstone	3	465	Sand, gray	16	1,365
Clay, silty	24	489	Shale	24	1,389
Sandstone	4	493	Sandstone	5	1,394
Shale	9	502	Shale	195	1,589
Lignite	6	508	Sandstone	1	1,590
Clay, silty	18	526	Shale	23	1,613
Shale	276	802	Sandstone	1	1,614
Sandy	30	832	Shale, sandy	96	1,710
Sandstone	2	834	Sandstone	1	1,711
Sandy	43	877	Sand	14	1,725
Sandstone	1	878	Sandstone	1	1,726
Sand, fine, gray	42	920	Shale	34	1,760
Sand, blue	28	948			

Table 3. Drillers' logs of wells and test holes--Continued

146-092-32CDD2
(Log modified from Opp Well Drilling)

Altitude: 2,230 feet **Date drilled:** 11-18-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, gray, brown	2	2	Sand, light-blue	18	48
Sand, brown	9	11	Sand, blue	15	63
Sand, gray	19	30			

146-094-08DAD2
(Log modified from Ralph Wold Well Drilling)

Altitude: 1,965 feet **Date drilled:** 10-23-74

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy	30	1,440	Shale	26	1,560
Shale	37	1,477	Sand	144	1,704
Sand	18	1,495	Rock	4	1,708
Shale	35	1,530	Sand	22	1,730
Rock	4	1,534			

147-087-03CDB
(Log from Dingman and Gordon, 1954)

Altitude: 2,014 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sandstone	2	280
Clay, yellow	25	27	Sand, gray	22	302
Lignite (no sample)	1	28	Lignite	6	308
Clay, blue	22	50	Clay, sandy, gray	44	352
Lignite	2	52	Sandstone, hard (no sample)	4	356
Clay, gray (no sample)	86	138	Sand	47	403
Sandstone, hard (no sample)	4	142	Clay, gray	19	422
Silt	44	186	Sandstone (no sample)	2	424
Lignite	7	193	Clay, gray	13	437
Clay, sandy	14	207	Lignite	9	446
Clay and lignite	6	213	Clay, gray	21	467
Clay, sandy, gray	3	216	Sandstone, medium-grained (no sample)	1	468
Sand, medium, gray	22	238	Clay, gray	32	500
Lignite	7	245			
Clay, sandy, gray, with thin layers of lignite	33	278			

Table 3. Drillers' logs of wells and test holes--Continued

147-087-12BAA
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	(No sample)	130	145
Clay and gravel, yellow	13	15			

147-087-12BAB
(Log from Dingman and Gordon, 1954)

Altitude: 1,959 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Meterial	Thickness (feet)	Depth (feet)
Sand	23	23	Sand, gray	89	249
Clay, sandy, brown	7	30	Sandstone (no sample)	4	253
Clay, blue	51	81	Sand, medium, gray	3	256
Clay, gray	34	115	(No sample)	176	432
Lignite	5	120	Sandstone, hard (no sample)	2	434
Clay, gray	6	126	Sand, medium, gray	36	470
Clay, sandy, gray	34	160	Clay, gray (no sample)	10	480

147-087-13BCB
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	30	30	Lignite	6	148
Clay, gray	30	60	Clay, gray	28	176
Gravel	44	104	Lignite	9	185
Lignite	3	107	Silt	11	196
(No sample)	7	114	Sand, fine	12	208
Clay, gray	26	140	Sandstone, medium-grained (no sample)	4	212
Clay, gray	2	142	(No sample)	63	275

Table 3. Drillers' logs of wells and test holes--Continued

147-090-19CDC
(Log from Dingman and Gordon, 1954)

Altitude: 2,151.4 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Silt, brown	5	5	Sand and sandy clay	12	132
Clay, silty, brown; pebbles	5	10	Lignite	6	138
Clay, silty, tan	17	27	Clay, silty, gray	7	145
Silt, gray	6	33	Clay, gray, with small amount of lignite	5	150
Sand, gray	4	37	Clay, silty and sandy, dense, gray	118	268
Clay, silty, gray	5	42	Clay, gray, and carbonaceous clay	2	270
Lignite	2	44	Sand and silty clay	6	276
Clay, silty, gray-brown	8	52	Lignite	3	279
Clay, gray	20	72	Clay, silty, dense, gray	26	305
Clay, sandy, gray	2.5	74.5	Lignite	.5	305.5
Lignite	5.5	80	Clay, gray	26.5	332
Silt, gray	7.5	87.5	Lignite	3	335
Clay, silty, gray	12.5	100	Clay, silty, dense, gray	40	375
Clay, sandy, gray	5	105	Lignite	4	379
Sand, silty, gray	15	120	Clay, silty, dense, gray	26	405

147-90-20DDB
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, yellow	16	16	Lignite	3	182
Sand	30	46	Clay, sandy, dense, gray	110	292
Lignite	4	50	Lignite	5	297
Clay, gray	40	90	Clay, sandy	18	315
Lignite	3	93	Sand	41	356
Clay, gray and green	40	133	Lignite	2	358
Lignite	3	136	Clay, sandy	12	370
Clay, sandy	43	179	Clay, gray	30	400

147-090-22CCC
(Log from Dingman and Gordon, 1954)

Altitude: 2,028.8 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Soil, silty and clayey, brown	5	5	Sand	37	52
Clay, silty, brown	10	15	Clay, gray(?) (no sample)	98	150

Table 3. Drillers' logs of wells and test holes--Continued

147-090-25ABC
(Log from Dingman and Gordon, 1954)

Altitude: 1,869.3 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Silt, tan; pebbles	10	10	Clay, gray	5	100
Silt, brown	10	20	Clay, sand, and lignite	5	105
Clay, silty, brown	4	24	Sand and lignite	10	115
Lignite	6	30	Sand and clay	5	120
Clay	5	35	Clay, sand, and lignite	2.5	122.5
Sand	5	40	Lignite	1	123.5
Clay, gray	11	51	Sand and small amount of lignite	6.5	130
Lignite	7.5	58.5	Clay, silty, gray, and small amount of lignite	5	135
Clay, silty, carbonaceous, brown	1.5	60	Sand	10	145
Clay, sandy, gray	5	65	Sand and lignite	5	150
Sand, clay, and lignite	5	70	Sand, lignite, and silty clay	10	160
Sand	15	85	Lignite	3	163
Sand and small amount of lignite	9	94			
Silt, sand, clay, and lignite	1	95			

147-091-25DCC
(Log modified from Mohl Drilling, Inc.)

Altitude: 2,110 feet **Date drilled:** 12-10-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand, coarse	7	77
Clay, brown	28	30	Sandstone, hard	3	80
Clay, gray	16	46	Sand, fine	12	92
Lignite, dry	4	50	Clay, gray	3	95
Clay, silty	20	70			

Table 3. Drillers' logs of wells and test holes--Continued

147-091-28ACC
(Log modified from Gregory Drilling, Inc.)

Altitude: 2,320 feet **Date drilled:** 03-24-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, brown	5	5	Clay, gray	25	320
Clay, gray	25	30	Clay, brown	25	345
Clay, sandy, gray	5	35	Clay, gray	55	400
Clay, gray	24	59	Clay, gray, with lignite layers	18	418
Clay, sandy, gray	9	68	Lignite	6	424
Lignite	3	71	Clay, gray	129	553
Clay, gray	37	108	Lignite	4	557
Lignite	2	110	Clay, gray	98	655
Clay, gray	25	135	Clay, brown	22	677
Lignite	3	138	Sand, fine, gray	29	706
Clay, gray	122	260	Clay, gray	14	720
Sand, gray and blue	35	295			

147-092-03CDC2
(Log modified from Kieson Drilling)

Altitude: 1,900 feet **Date drilled:** 04-30-76

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Clay	225	765
Clay, yellow	27	30	Clay, sandy	20	785
Sand, coarse	70	100	Clay	160	945
Clay, sandy	33	133	Clay, sandy	25	970
Lignite	2	135	Shale	15	985
Clay	152	287	Clay, sandy	5	990
Lignite	3	290	Sand	10	1,000
Clay	75	365	Clay	5	1,005
Sand	175	540			

147-092-15ADD
(Log modified from Kieson Drilling)

Altitude: 1,950 feet **Date drilled:** 04-23-76

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Lignite	4	422
Sand	48	50	Clay	215	637
Clay	15	65	Lignite	5	642
Lignite	5	70	Clay, sandy	183	825
Clay, gray	88	158	Shale	30	855
Lignite	4	162	Clay	60	915
Clay	26	188	Shale	15	930
Lignite	7	195	Clay	120	1,050
Clay, sandy	125	320	Clay, sandy	30	1,080
Sand	55	375	Clay	10	1,090
Lignite	9	384	Sand	8	1,098
Clay, sandy	34	418	Clay	2	1,100

147-093-33DAC
(Log modified from Mann-Stumvoll Drilling)

Altitude: 1,960 feet **Date drilled:** 05-19-89

Meterial	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	61	61	Clay, sandy	20	480
Lignite	7	68	Sand	100	580
Clay, gray	178	246	Clay, sandy	80	660
Lignite	3	249	Clay	400	1,060
Clay, gray	27	276	Sand	15	1,075
Sandstone	1	277	Clay	265	1,340
Clay, sandy	63	340	Sand	50	1,390
Clay, gray	70	410	Clay	10	1,400
Sand	50	460			

147-093-34DBB
(Log modified from Mann-Stumvoll Drilling)

Altitude: 1,860 feet **Date drilled:** 06-20-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	28	28	Clay, sandy	13	308
Lignite, fractured	2	30	Sandstone	5	313
Clay	5	35	Clay, sandy	35	348
Lignite	3	38	Clay	132	480
Clay, gray	117	155	Clay, sandy, with lignite	240	720
Lignite	6	161	Clay	245	965
Clay	2	163	Lignite	13	978
Lignite	2	165	Clay	212	1,190
Clay	15	180	Sand	60	1,250
Clay, sandy	72	252	Clay	50	1,300
Clay, gray	43	295			

Table 3. Drillers' logs of wells and test holes--Continued

147-093-35CBC2
(Log modified from Gregory Drilling, Inc.)

Altitude: 1,860 feet **Date drilled:** 08-27-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, brown	10	10	Clay, sandy, gray	41	259
Sand, brown	16	26	Sandstone	2	261
Clay	4	30	Clay	32	293
Clay, sandy, brown	17	47	Lignite	5	298
Clay	21	68	Clay	26	315
Lignite	2	70	Clay, sandy, gray	7	322
Clay	30	100	Rock	1	323
Clay, sandy	12	112	Clay	47	370
Clay, brown	19	131	Lignite	5	375
Rock	1	132	Clay	60	435
Clay	22	154	Rock	1	436
Rock	1	155	Clay	33	469
Clay	3	158	Lignite	4	473
Lignite	8	166	Clay, olive gray	23	496
Clay	17	183	Clay	37	533
Clay, sandy, gray	20	203	Sand, gray	17	550
Sandstone	6	209	Clay, silty	10	560

147-093-35CBC3
(Log modified from Himebaugh Drilling)

Altitude: 1,860 feet **Date drilled:** 10-14-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Fill	2	2	Sand (flows 1 gallon per minute)	3	865
Clay, silty	10	12	Clay, sandy	35	900
Sandy	6	18	Sand	7	907
Clay	44	62	Clay	25	932
Lignite, very soft	5	67	Sand	28	960
Clay	9	76	Clay	77	1,037
Sand	33	109	Sandstone	1	1,038
Clay	48	157	Clay	33	1,071
Lignite	9	166	Clay	15	1,086
Clay	16	182	Sand	9	1,095
Sand	71	253	Clay	64	1,159
Clay, silty	31	284	Sand	46	1,205
Lignite	3	287	Clay	27	1,232
Clay, sandy, silty	116	403	Sand	7	1,239
Sand	31	434	Clay	24	1,263
Clay	22	456	Sand	49	1,312
Lignite	21	477	Clay	4	1,316
Clay	126	603	Sand	35	1,351
Lignite	4	607	Clay	10	1,361
Clay	50	657	Sand	17	1,378
Clay, sandy	48	705	Clay	3	1,381
Clay	144	849	Sand	9	1,390
Sand	11	860	Clay, silty	35	1,425
Sandstone	2	862			

Table 3. Drillers' logs of wells and test holes--Continued

147-094-35CAA
(Log modified from Ralph Wold Well Drilling)

Altitude: 2,270 feet **Date drilled:** 10-09-74

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand	15	15	Sand	10	915
Clay	45	60	Clay	20	935
Rock	1	61	Sand	20	955
Clay	159	220	Shale and clay	150	1,105
Lignite	5	225	Sand	15	1,120
Clay	45	270	Shale	80	1,200
Lignite	10	280	Rock	2	1,202
Clay	63	343	Shale	68	1,270
Rock	2	345	Rock	6	1,276
Clay	65	410	Shale	114	1,390
Lignite	5	415	Sand	20	1,410
Clay	40	455	Shale	20	1,430
Rock	5	460	Sand	5	1,435
Sand	35	495	Shale	60	1,495
Clay	185	680	Sand	10	1,505
Rock	5	685	Shale	35	1,540
Clay	220	905	Sand	70	1,610

147-094-35CBB
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,150 feet **Date drilled:** 06-08-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	20	20	Clay, gray	137	378
Clay, sandy	20	40	Lignite	9	387
Lignite	3	43	Clay, gray	64	451
Clay, sandy	52	95	Lignite	4	455
Sandstone	4	99	Clay, gray	163	618
Sand	15	114	Lignite	7	625
Clay, gray	6	120	Clay, gray	225	850
Lignite	1	121	Sand, gray	42	892
Clay, gray	112	233	Clay, gray	603	1,495
Lignite	8	241	Sand, gray	65	1,560

Table 3. Drillers' logs of wells and test holes--Continued

147-094-36BAD
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,000 feet **Date drilled:** 05-27-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	28	28	Clay, gray	145	462
Sand, brown	7	35	Sand	14	476
Sand, gray	15	50	Clay, gray	156	632
Lignite	1	51	Lignite	25	657
Clay, gray	62	113	Clay, gray	53	710
Lignite	5	118	Clay, sandy	30	740
Clay, gray	51	169	Clay, gray	650	1,390
Lignite	11	180	Sand	60	1,450
Clay, gray	128	308	Clay	10	1,460
Lignite	9	317			

147-095-13CCC3
(Log modified from LTP Enterprises, inc.)

Altitude: 2,420 feet **Date drilled:** 05-22-79

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, brown	2	2	Clay, blue, with sand lenses	102	1,404
Clay, sandy, brown	24	26	Clay, very sticky, blue	10	1,414
Clay, gray	29	55	Clay, soft, sandy	25	1,439
Lignite with clay lenses	5	60	Rock, soft, white	2	1,441
Clay, gray and green	53	113	Clay, sandy, soft	209	1,650
Limestone, white	1	114	Clay, very sandy, blue	69	1,719
Clay	91	205	Sandstone, hard, white	4	1,723
Clay with lignite lenses	57	262	Clay, sandy, blue	145	1,868
Clay	288	550	Sandstone, hard	4	1,872
Lignite with clay lenses	21	571	Clay, sandy, blue	32	1,904
Clay	430	1,001	Clay, sandy, blue, with sandstone lenses	15	1,919
Clay, sandy, blue, with traces of lignite	128	1,129	Clay, hard, blue	21	1,940
Clay, blue-gray, with sand lenses	10	1,139	Clay, sandy, blue, with sandstone lenses	84	2,024
Clay, blue	144	1,283	Clay, sandy, blue, with sand lenses	15	2,039
Rock	4	1,287	Clay, hard, blue, with sand lenses	45	2,084
Clay, sandy, blue	7	1,294	Clay, sandy, blue, with sand lenses	36	2,120
Clay, very sticky, blue	8	1,302	Clay, sandy, blue	10	2,130

Table 3. Drillers' logs of wells and test holes--Continued

147-095-18DDA
(Log modified from Ralph Wold Well Drilling)

Altitude: 2,560 feet **Date drilled:** 12-28-74

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand	42	42	Clay	98	673
Clay	10	52	Lignite	6	679
Clay, sandy	20	72	Shale	66	745
Lignite	2	74	Rock	5	750
Clay	28	102	Clay	190	940
Lignite	4	106	Lignite	25	965
Clay	19	125	Clay	121	1,086
Rock	1	126	Lignite	17	1,103
Clay	29	155	Sandy	92	1,195
Sand	3	158	Clay	45	1,240
Clay	123	281	Sandy	30	1,270
Clay, sandy	69	350	Shale	130	1,400
Rock	2	352	Sandy	30	1,430
Clay	68	420	Shale	167	1,597
Sand	18	438	Sand	33	1,630
Clay	126	564	Clay and shale	305	1,935
Rock	2	566	Sand	25	1,960
Clay	6	572	Shale	20	1,980
Lignite	3	575	Sand	72	2,052

147-095-22BBB
(Log modified from Gregory Drilling, Inc.)

Altitude: 2,430 feet **Date drilled:** 11-18-78

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, brown	15	15	Clay, gray	74	745
Sand, brown	50	65	Lignite	6	751
Clay, gray	75	140	Sand, very fine, gray	8	759
Lignite	4	144	Clay, gray	26	785
Clay, gray	116	260	Rock	5	790
Lignite	4	264	Clay, gray	135	925
Clay, gray	46	310	Sand, fine, gray	40	965
Lignite	2	312	Sandstone	2	967
Clay, gray	107	419	Clay, gray	18	985
Rock	3	422	Lignite	6	991
Clay, gray	246	668	Clay, gray	9	1,000
Sandstone	3	671			

Table 3. Drillers' logs of wells and test holes--Continued

148-087-02CDC
(Log modified from Mann Drilling Co.)

Altitude: 2,000 feet **Date drilled:** 10-21-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, silty, tan	73	73	Sand	8	186
Till, gray	105	178	Gravel	9	195

148-087-03DDD
(Log modified from Mann Drilling Co.)

Altitude: 1,990 feet **Date drilled:** 09-13-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	43	43	Sand, silty	31	195
Till, gray	121	164	Gravel	25	220

148-087-06DCB
(Log modified from Broneske Well Drilling)

Altitude: 1,965 feet **Date drilled:** 06-24-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand and gravel	6	42
Clay and silt	34	36			

148-087-08BCC
(Log modified from Mann Drilling Co.)

Altitude: 1,965 feet **Date drilled:** 05-21-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	44	44	Sand, fine	20	190
Till, gray	126	170	Gravel	30	220

Table 3. Drillers' logs of wells and test holes--Continued

148-087-14BAA
(Log modified from Mann Drilling Co.)

Altitude: 1,975 feet **Date drilled:** 04-27-76

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	42	42	Till	158	236
Till	30	72	Gravel, coarse	14	250
Sand	6	78	Sand and medium gravel	60	310

148-087-14BAB
(Log modified from Mann Drilling Co.)

Altitude: 1,965 feet **Date drilled:** 07-28-76

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	40	40	Gravel, coarse	35	305
Till, gray	160	200	Gravel with lignite chips	35	340
Sand	70	270			

148-087-14DAA
(Log modified from Mann Drilling Co.)

Altitude: 1,950 feet **Date drilled:** 07-02-75

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	155	155	Sand with lignite chips	10	200
Gravel, coarse	35	190	Gravel	10	210

148-087-15AAA
(Log modified from Traut Well Drilling)

Altitude: 1,960 feet **Date drilled:** 02-26-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, gray	29	197
Clay, brown	42	43	Clay, gray, with lignite	21	218
Clay, sandy, brown	7	50	Sand, with lignite (20-30 slot)	20	238
Gravel, clayey	4	54	Sand, silty (30 slot)	13	251
Clay, sandy, brown	13	67	Sand (40-50 slot)	14	265
Clay, gray	49	116	Sand and gravel (60 slot)	15	280
Clay, silty, gray	52	168			

148-087-15DCD
(Log modified from Mann Drilling Co.)

Altitude: 1,910 feet **Date drilled:** 09-09-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	24	24	Sandstone	5	353
Clay	13	37	Sand	44	397
Sandstone	3	40	Clay	543	940
Clay	43	83	Lignite	10	950
Lignite	3	86	Clay	167	1,117
Clay	96	182	Sand	35	1,152
Lignite	11	193	Clay	8	1,160
Clay	155	348			

148-087-33BBB
(Log modified from Mann Drilling Co.)

Altitude: 2,005 feet **Date drilled:** 08-21-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	20	20	Lignite	3	244
Lignite	4	24	Clay	56	300
Clay	38	62	Lignite	14	314
Lignite	3	65	Clay	386	700
Clay	35	100	Sand	10	710
Lignite	7	107	Clay, sandy	10	720
Clay	23	130	Clay	553	1,273
Lignite	2	132	Sand	43	1,316
Clay	109	241	Clay	4	1,320

148-088-18AAA
(Log modified from Mann Drilling Co.)

Altitude: 2,100 feet **Date drilled:** 07-00-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, tan	40	40	Clay with lignite stringers	219	328
Clay, gray	90	130	Sandstone	7	395
Lignite	3	133	Clay	80	475
Clay	25	158	Sand	27	502
Lignite	11	169			

Table 3. Drillers' logs of wells and test holes--Continued

148-088-21DBC2
(Log modified from Mann Drilling Co.)

Altitude: 2,155 feet **Date drilled:** 12-18-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	18	18	Sandstone	4	236
Clay	27	45	Lignite	6	242
Lignite	8	53	Clay	14	256
Clay	160	213	Sand	6	262
Lignite	6	219	Sandstone	6	268
Clay	1	220	Clay, sandy	22	290
Lignite	12	232	Sand	10	300

148-088-21DBD
(Log modified from Mann Drilling Co.)

Altitude: 2,160 feet **Date drilled:** 07-10-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, tan	27	27	Clay	162	220
Clay	21	48	Sand	5	225
Lignite	10	58	Lignite	7	232

148-089-09AAB
(Log Modified from Water Supply, Inc.)

Altitude: 2,117 feet **Date drilled:** 06-01-92

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Clay, silty, yellowish; till	22	40
Clay, silty, yellowish-brown; till	13	14	Sand, silty, medium-gray	5	45
Clay, silty, yellowish-brown	3	17	Clay, silty, yellowish-brown; bedrock	7	52
Limestone	1	18	Clay, silty, medium-gray	8	60

Table 3. Drillers' logs of wells and test holes--Continued

148-089-10BBB
(Log modified from Water Supply, Inc.)

Altitude: 2,118 feet **Date drilled:** 06-01-92

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Clay, sandy, silty, yellowish-brown	14	48
Clay, silty, yellowish-brown; till	8	9	Clay, silty, greenish-gray	6	54
Limestone	1	10	Clay, sandy, medium-bluish-gray; about 45 percent sand	6	60
Clay, silty, yellowish-gray; till	14	24			
Clay, silty, medium-gray; bedrock	10	34			

148-089-27DCC
(Log modified from Aberle Well Co.)

Altitude: 1,955 feet **Date drilled:** 05-16-73

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, fine, yellow	2	2	Lignite	3	59
Till, yellow	40	42	Sand, blue	13	72
Clay, gray	14	56	Lignite	8	80

148-089-33CCA
(Log modified from Mann Drilling Co.)

Altitude: 1,940 feet **Date drilled:** 10-22-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay	7	7	Sand, fine	27	527
Lignite	4	11	Clay	413	940
Clay	21	32	Clay, silty	375	1,315
Lignite	5	37	Sand	72	1,387
Clay	463	500			

Table 3. Drillers' logs of wells and test holes--Continued

148-090-03ABB1
(Log modified from Mann Drilling Co.)

Altitude: 2,140 feet **Date drilled:** 06-27-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	30	30	Clay	53	175
Clay, gray	60	90	Clay, sandy	45	220
Clay, sandy	30	120	Clay with lignite stringers	380	600
Lignite	2	122			

148-090-07DCC
(Log modified from Water Supply, Inc.)

Altitude: 2,060 feet **Date drilled:** 04-24-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, black	1	1	Clay, silty, medium-gray	18	152
Clay, silty, yellowish-brown; till	6	7	Sand, fine, bluish-gray	6	158
Clay, silty, yellowish-brown; bedrock	10	17	Clay, silty, medium-gray	24	182
Clay, silty, medium-gray	42	59	Clay, silty, bluish-gray; about 30 percent sand	18	200
Sandstone	1	60	Sand, fine to medium, bluish-gray; about 30 percent clay	80	280
Clay, silty, medium-gray	12	72	Sand, fine to medium, bluish-gray	20	300
Sandstone	1	73	Clay, silty, medium-gray	17	317
Clay, silty, medium-gray	7	80	Sand, fine to medium, bluish-gray	5	322
Standstone	3	83	Clay, silty, medium-gray	3	325
Clay, silty, medium-gray	14	97	Limestone	4	329
Lignite	2	99	Clay, silty, medium-gray	1	330
Clay, silty, medium-gray	33	132			
Lignite	2	134			

148-090-07DCD
(Log modified from Water Supply, Inc.)

Altitude: 2,030 feet **Date drilled:** 04-05-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Lignite	1.5	146.5
Clay, silty, yellowish-brown; till	5	6	Clay, silty, medium-gray	36.5	183
Clay, silty, yellowish-brown; bedrock	17	23	Sandstone	2	185
Sand, fine, yellowish-brown	5	28	Clay, silty, medium-gray	87	272
Clay, silty, medium-gray	33	61	Sandstone	3	275
Lignite	1	62	Clay, silty, medium-gray	5	280
Sandstone	1	63	Sand, fine to medium, bluish-gray; about 15 percent clay	30	310
Clay, silty, medium-gray	44	107	Sandstone	1	311
Lignite	2	109	Sand, fine to medium; bluish-gray	9	320
Clay, silty, medium-gray	14	123	Clay, silty, medium-gray	2	322
Sandstone	12	135			
Clay, silty, medium-gray	10	145			

Table 3. Drillers' logs of wells and test holes--Continued

148-090-16ABC
(Log modified from Water Supply, Inc.)

Altitude: 2,000 feet **Date drilled:** 10-15-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	.5	.5	Clay, silty, light-gray	3	149
Gravel, fine, medium to coarse	36.5	37	Clay, silty, greenish-gray	5	154
Sand, fine, medium to coarse, yellowish-brown; bedrock	12	49	Clay, silty, medium-gray	23	177
Sand, fine to medium, bluish-gray	6	55	Sandstone	1	178
Lignite	.5	55.5	Clay, sandy, silty, bluish-gray; about 20 percent sand	3	181
Clay, silty, medium-gray	1.5	57	Sand, fine to medium, bluish-gray; about 30 percent clay	15	196
Sand, fine to medium, bluish-gray	13	70	Clay, silty, medium-gray	9	205
Clay, silty, medium-gray	34	104	Lignite	3	208
Lignite	2	106	Clay, silty, brownish-gray	9	217
Clay, silty, medium-gray	34	140	Clay, silty, medium-gray	74	291
Sand, clayey, fine, bluish-gray; about 30 percent clay	3	143	Sand, fine to medium, bluish-gray; about 15 percent clay	61	352
Clay, silty, medium-gray	2	145	Clay, silty, medium-gray	1	353
Lignite	1	146			

148-092-06AAD
(Log modified from Sax Well Drilling)

Altitude: 2,330 feet **Date drilled:** 11-01-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, fine	30	30	Clay, sandy	18	160
Sand, yellow	95	125	Clay, sandy	2	162
Sand, clayey	7	132	Lignite	1	163
Lignite	6	138	Clay, sandy	27	190
Sand	1	139	Lignite	2	192
Clay, green	1	140	Clay, sandy	24	216
Clay, sandy	1	141	Lignite	3	219
Lignite	1	142	Clay, sandy	3	222

148-092-24CCCA
(Log modified from Smiley's Drilling)

Altitude: 1,900 feet **Date drilled:** 08-13-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Dirt, black	10	10	Clay, sandy, blue	20	80
Clay, brown	20	30	Shale	5	85
Clay, blue	30	60	Sand, blue	57	142

148-092-24CCCB
(Log modified from Smiley's Drilling)

Altitude: 1,890 feet **Date drilled:** 08-05-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Dirt, black	10	10	Clay, blue	45	70
Clay, brown	15	25	Sand, blue	60	130

148-095-02BBB
(Log modified from Mohl Drilling, Inc.)

Altitude: 2,500 feet **Date drilled:** 03-05-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, brown	35	35	Clay, silty, gray	35	200
Sand, brown	55	90	Silt	20	220
Clay, gray	30	120	Sand, fine, gray	5	225
Silt, gray	43	163	Sandstone	13	238
Lignite	2	165	Sand	22	260

148-095-03AAA
(Log modified from LTP Enterprises, Inc.)

Altitude: 2,510 feet **Date drilled:** 12-10-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, brown	18	18	Clay, sandy, blue	5	152
Clay, silty, sandy, brown	29	47	Clay, sandy, green	45	197
Clay, sandy, blue	17	64	Clay, silty, and bluish-black fine sand	16	213
Clay, sandy, blue, with lignite	33	97	Sandstone	2.5	215.5
Sandstone, green	5	102	Clay, silty, and bluish-black fine sand	31.5	247
Clay, sandy, blue	40	142	Clay, silty, blue	10	257
Clay, sandy, blue, with lignite	5	147			

148-095-12DCC2
(Log modified from Water Supply, Inc.)

Altitude: 2,450 feet **Date drilled:** 06-23-92

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Sand, fine, bluish-gray; about 10 percent clay	20	52
Clay, silty, yellowish-brown, bedrock	9	10			
Sand, fine, yellowish-brown; about 10 percent clay	22	32			

149-087-06DDA
(Log modified from Mann Drilling Co.)

Altitude: 2,100 feet **Date drilled:** 11-05-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, silty, tan	34	34	Clay, gray	48	94
Clay, gray	11	45	Lignite	6	100
Lignite	1	46			

149-087-08ABB2
(Log modified from Mann Drilling Co.)

Altitude: 2,110 feet **Date drilled:** 05-20-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	32	32	Sand	7	80
Till, gray	41	73	Sand, fine	15	95

149-087-26BCB
(Log modified from Mann Drilling Co.)

Altitude: 2,080 feet **Date drilled:** 10-13-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	56	56	Clay, gray	77	236
Till, gray	62	118	Sand	10	246
Sand	37	155	Clay, gray	9	255
Lignite	4	159	Sand, fine	108	363

Table 3. Drillers' logs of wells and test holes--Continued

149-087-28DAA
(Log modified from Broneske Well Drilling)

Altitude: 2,045 feet **Date drilled:** 05-18-72

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Clay, sandy, yellow	74	92
Clay, yellow	16	18	Sand, blue	14	106

149-088-04DAD
(Log modified from Mann-Stumvoll Drilling)

Altitude: 1,990 feet **Date drilled:** 04-18-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	46	46	Sand, tan	38	120
Clay	36	82	Sand, gray	20	140

149-088-11DAA2
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,035 feet **Date drilled:** 08-21-89

Material	Thickness (feet)	Depth (feet)	Mstorial	Thickness (feet)	Depth (feet)
Till	62	62	Clay, gray	23	140
Sand	21	83	Sand, silty	16	156
Sand and gravel	4	87	Sand	23	179
Clay	15	102	Clay	2	181
Sand and gravel	15	117	Sand	21	202

149-088-12BAB
(Log modified from Mann Drilling Co.)

Altitude: 2,060 feet **Date drilled:** 01-31-76

Materisl	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Till	75	158
Till	68	70	Sand	22	180
Sand with till lenses	13	83			

Table 3. Drillers' logs of wells and test holes--Continued

149-088-23DAA
(Log modified from Mann-Stumvoll Drilling)

Altitude: 1,985 feet **Date drilled:** 04-19-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Clay, sandy	28	60
Sand, tan	29	32	Sand, very fine, gray	10	70

149-089-01BDA
(Log modified from Mann Drilling Co.)

Altitude: 1,915 feet **Date drilled:** 05-15-79

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Clay	62	137
Gravel	5	7	Sand, silty	83	220
Clay, silty	56	63	Sand, coarse	80	300
Sand, fine	12	75	Sand, silty	40	340

149-089-03BBD
(Log modified from Mann Drilling Co.)

Altitude: 1,950 feet **Date drilled:** 11-26-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	87	87	Sand, silty	41	206
Till, gravelly	35	122	Gravel	27	233
Till, gray	43	165	Sand	7	240

149-089-03DAA
(Log modified from Mann Drilling Co.)

Altitude: 1,935 feet **Date drilled:** 12-03-73

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	28	28	Till	19	201
Till, gray	42	70	Sand and gravel	19	220
Clay, silty	112	182			

Table 3. Drillers' logs of wells and test holes--Continued

149-089-09BAB2
(Log modified from Mann Drilling Co.)

Altitude: 1,905 feet **Date drilled:** 07-18-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	32	32	Lignite	2	63
Clay	12	44	Clay	24	87
Lignite	1	45	Sand	33	120
Clay	16	61	Clay	1	121

149-089-10AAD
(Log modified from Mann Drilling Co.)

Altitude: 1,900 feet **Date drilled:** 07-19-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Till	48	188
Sand and gravel	9	11	Gravel	12	200
Clay	129	140			

149-089-10CBB2
(Log modified from Mann Drilling Co.)

Altitude: 1,910 feet **Date drilled:** 11-16-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	37	37	Lignite	5	189
Till, gray	116	153	Clay	25	214
Sand, coarse	22	175	Clay, sandy	72	286
Sandstone	2	177	Clay	114	400
Clay	7	184			

149-089-10CBB3
(Log modified from Mann-Stumvoll Drilling)

Altitude: 1,915 feet **Date drilled:** 09-06-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, tan	14	14	Sand and gravel	20	135
Clay, tan	42	56	Till, gray	30	165
Sand, tan	6	62	Clay, gray	15	180
Clay, tan	53	115			

149-089-11CBB2
(Log modified from Mann Drilling Co.)

Altitude: 1,940 feet **Date drilled:** 07-21-72

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, tan	29	29	Clay, sandy	12	280
Clay	26	55	Sand	14	294
Sand, fine	7	62	Sandstone	5	299
Clay	108	170	Sand	6	305
Gravel	6	176	Clay	6	311
Till	92	268	Lignite	9	320

149-089-14CBB
(Log modified from Mann Drilling Co.)

Altitude: 1,920 feet **Date drilled:** 05-02-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	25	25	Sand	15	355
Till, gray	175	200	Clay	950	1,305
Sand, fine	120	320	Sand	65	1,370
Clay	20	340			

149-089-17BAD
(Log modified from Mann Drilling Co.)

Altitude: 1,940 feet **Date drilled:** 05-18-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	13	13	Clay	4	175
Sand, silty, tan	59	72	Lignite	1	176
Sand, tan	28	100	Clay	2	178
Sandstone	5	105	Lignite	1	179
Sand	65	170	Clay	1	180
Lignite	1	171			

149-089-18ADB2
(Log modified from Mann Drilling Co.)

Altitude: 1,930 feet **Date drilled:** 09-06-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	64	64	Sandstone	2	125
Clay, silty	36	100	Sand	15	140
Sand, silty	23	123			

149-089-23CCC2
(Log modified from Mann Drilling Co.)

Altitude: 2,018 feet **Date drilled:** 10-31-72

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	19	19	Clay, gray	22	62
Clay, tan	17	36	Sand, dry	78	140
Lignite	4	40	Sand, water	25	165

149-090-12DAD
(Log modified from Mann Drilling Co.)

Altitude: 1,920 feet **Date drilled:** 05-17-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, tan	30	30	Sand	25	135
Sand	78	108	Lignite	2	137
Sandstone	2	110	Clay	1	138

Table 3. Drillers' logs of wells and test holes--Continued

149-90-12DDD
(Log modified from Mann Drilling Co.)

Altitude: 1,885 feet **Date drilled:** 03-30-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand	20	110
Till, tan	33	34	Sand and fine gravel	8	118
Gravel	2	36	Boulders	2	120
Till, gray	28	64	Clay, gray	5	125
Sand, silty	26	90			

149-092-10ACAA
(Log modified from Smiley's Drilling)

Altitude: 1,940 feet **Date drilled:** 06-20-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, brown	44	44	Sand, gray	7	115
Clay, sandy, brown	44	88	Sandstone	2	117
Sand, grayish, brown	17	105	Sand, gray	8	125
Lignite	3	108			

149-092-10DABC
(Log modified from Smiley's Drilling)

Altitude: 1,920 feet **Date drilled:** 06-26-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay	32	32	Clay, sandy, brown	7	95
Sandstone	5	37	Sand, clayey, gray	30	125
Clay, brown	51	88			

149-092-10DCBB
(Log modified from Gregory Drilling, Inc.)

Altitude: 2,000 feet **Date drilled:** 08-11-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, brown	10	10	Clay	10	191
Clay	20	30	Clay, sandy	10	201
Lignite	2	32	Clay	8	209
Clay	36	68	Sandstone	1	210
Lignite	2	70	Clay	33	243
Clay	15	85	Sandstone	1	244
Clay, sandy	16	101	Sandy	9	253
Sandstone	2	103	Lignite	1	254
Sand, brown	14	117	Clay	71	325
Sandstone	3	120	Clay, sandy, gray	9	334
Sand, brown	6	126	Sand, silty, gray	11	345
Sandstone	2	128	Lignite	5	350
Sand, brown	18	146	Clay	24	374
Clay	3	149	Sand, gray	10	384
Sand, gray	3	152	Lignite	3	387
Sandstone	1	153	Clay	3	390
Clay	17	170	Clay, sandy	5	395
Sandstone	1	171	Clay	5	400
Clay, sandy	10	181			

149-093-09CCC
(Log modified from Dennis Water Well Drilling)

Altitude: 2,225 feet **Date drilled:** 10-03-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	7.5	145
Clay, yellow	29	30	Clay, blue	42	187
Clay, blue	35	65	Lignite	4	191
Lignite	3	68	Shale, gray	83	274
Clay, blue	2	70	Lignite	4	278
Lignite	3	73	Shale, sandy, gray	89	367
Clay, blue	38	111	Sandstone	6	373
Lignite	3	114	Clay, sandy, blue	7	380
Clay, blue	18	132	Sand, blue	73	453
Clay, dark-brown	5.5	137.5			

149-094-07CAD
(Log from Dingman and Gordon, 1954)

Altitude: 2,267.17 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, tan	30	30	Clay, sandy, gray	5	200
Clay, gray	3	33	Sand	5	205
Clay, gray, with lignite fragments	8	41	Lignite	7	212
Lignite	5	46	Clay, gray	3	215
Clay, gray	14	60	Sand	5	220
Clay, silty, gray	9	69	Clay, sandy, gray	5	225
Lignite	2.5	71.5	Clay, silty, gray	5	230
Clay, silty, gray	18.5	90	Lignite	3	233
Clay, gray	10	100	Clay, sandy, gray to brown	7	240
Clay, gray, carbonaceous, and lignite	2	102	Sand	37	277
Clay, gray	10	112	Clay, gray and yellow; lignite and pebbles	3	280
Lignite	1	113	Sand	67	347
Clay, silty, dense, carbonaceous, gray	19	132	Lignite, sand, and clay	1	348
Lignite	3	135	Sand	2	350
Clay, gray	5	140	Lignite	10	360
Lignite	6	146	Lignite and clay	25	385
Clay, sandy, gray	16	162	Clay, silty and sandy, dense, gray	50	435
Sand	14	176	(No sample)	15	450
Lignite	15	191			
Sand	4	195			

149-094-09ABA
(Log from Dingman and Gordon, 1954)

Altitude: 2,389.02 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sand, silt, and pebbles	10	10	Clay, gray	13	210
Sand and pebbles	5	15	Sand	5	215
Sand	5	20	Clay, silty dense, gray	30	275
Clay, silty, gray	5	25	Lignite	10	285
Clay and lignite	5	30	Clay, silty, gray	9	294
Clay, silty, dense, gray	72	102	Clay and lignite	2	296
Sand	8	110	Clay, silty, gray	4	300
Clay, sandy	5	115	Sand	15	315
Sand	4	119	Clay, silty, gray	7.5	322.5
Lignite	1	120	Sand	13.5	336
Sand	5	125	Lignite	10	346
Clay and sand	5	130	Sand, silty, clay, and lignite	4	350
Lignite	5	135	Clay, gray	5	355
Clay, gray	15	150	Clay and lignite	10	365
Lignite	5	155	Lignite	2	367
Clay, silty, gray	14	169	Sand, clay, and lignite	3	370
Lignite	1.5	170.5	Sand	30	400
Clay, gray	14.5	185	Lignite	5	405
Sand and clay	10	195	Lignite and clay	5	410
Lignite	5	200	Lignite	4	414
Clay, silty, dense, gray	20	220	Clay, gray	6	420
Lignite	7	227			

149-094-09ABCA
(Log modified from Sax Well Drilling)

Altitude: 2,360 feet **Date drilled:** 05-00-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Rock, hard, white	2	63
Clay, yellow	2	4	Sandstone, soft	13	76
Clay, sandy	8	12	Lignite	1	77
Lignite, soft	2	14	Clay, bluish-gray	3	80
Sand, clayey	18	32	Shale, clay, and thin lignite layers	50	130
Clay, bluish-gray	3	35	Lignite, hard	5	135
Sand	20	55	Clay, gray	15	150
Sand with hard layers	6	61			

149-094-14AAA
(Log from Dingman and Gordon, 1954)

Altitude: 2,305.79 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, tan, and a few pebbles	15	15	Sand	34	274
Sand and gravel	4.5	19.5	Lignite	2	276
Gravel	9.5	29	Clay, gray	46	322
Clay, tan; silt and a few pebbles	11.5	40.5	Lignite	3	325
Clay, gray	57	97.5	Clay, silty, dense, gray	30	355
Lignite	3.5	101	Clay, gray, and small amount of lignite	5	360
Clay, gray	25.5	126.5	Clay, silty, gray	5	365
Clay, carbonaceous, gray, and lignite	1.5	128	Clay, gray, and small amount of lignite	5	370
Clay, silty, gray	22	150	Clay, silty and sandy, dense, gray	27.5	397.5
Clay, silty, carbonaceous, brown	7	157	Sand	22.5	420
Lignite	3	160	Clay, gray, and small amount of lignite	5	425
Clay, silty, dense, gray	50	210	Sand	5	430
Clay, gray, and small amount of lignite	10	220	Clay, gray, and small amount of sand	5	435
Clay, silty, gray	20	240	Sand	15	450

149-094-16BDAC
(Log modified from Sax Well Drilling)

Altitude: 2,270 feet **Date drilled:** 04-15-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Silt	3	3	Lignite	3	59
Clay, gray	9	12	Clay	2	61
Lignite	3	15	Lignite	3	64
Clay	7	22	Clay	50	114
Lignite	2	24	Lignite	1	115
Clay	16	40	Clay	22	137
Clay, sandy	8	48	Lignite	2	139
Lignite	3	51	Clay with thin layers of lignite	61	200
Clay	5	56			

Table 3. Drillers' logs of wells and test holes--Continued

149-094-25ABC
(Log from Dingman and Gordon, 1954)

Altitude: 2,128.91 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, brown, and pebbles	25	25	Lignite and sandy clay	5	165
Clay, silty, tan	20	45	Lignite	15	180
Sand	7	52	Clay and lignite	5	185
Lignite	4	56	Clay, silty, gray	15	200
Clay, silty and sandy, dense, gray	54	110	Lignite	10	210
Lignite and sandy clay	5	115	Lignite and clay	5	215
Clay, gray	33	148	Silt, sand, clay, and lignite	10	225
Lignite and clay	2	150	(No sample)	60	285
Clay, gray	10	160			

149-094-27DAA
(Log from Dingman and Gordon, 1954)

Altitude: 2,361.23 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, tan	5	5	Clay, silty, gray	4	250
Sand	10	15	Sand	12	262
Clay, silty, tan	19	34	Clay, silty, dense, gray	31	293
Sand	4	38	Lignite	2	295
Clay, silty, dense, gray	47	85	Clay, silty, dense, gray	20	315
Sand	5	90	Clay, gray, and lignite	4	319
Clay, silty, dense, gray	13	103	Clay, silty, dense, gray	15	334
Lignite	2	105	Lignite	2	336
Clay, silty, gray	50	155	Clay, gray	9	345
Lignite	7	162	Lignite	4	349
Clay, gray	7	169	Clay, gray	26	375
Lignite	3	172	Lignite	2	377
Clay	5	177	Sand	13	390
Lignite	3	180	Lignite	9	399
Clay, gray	13	193	Clay and lignite	8	407
Lignite	7	200	Sand and lignite	7	414
Clay, silty, dense, gray	43	243	Sand	36	450
Lignite	3	246			

Table 3. Drillers' logs of wells and test holes--Continued

149-094-28AAA2
(Log modified from Water Supply, Inc.)

Altitude: 2,300 feet **Date drilled:** 06-10-92

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Lignite, soft	4	64
Clay, silty, yellowish-brown	12	13	Clay, silty, medium-gray	6	70
Sand, fine to medium, yellowish-brown	3	16	Clay, sandy, bluish-gray	4	74
Clay, silty, yellowish-brown	4	20	Clay, silty, greenish-gray	7	81
Sand, fine, yellowish-brown, with clay layers	8	28	Clay, silty, medium-gray	13	94
Clay, silty, yellowish-brown	22	50	Sand, fine, bluish-gray, about 20 percent clay	2	96
Clay, silty, yellowish-brown; bedrock	8	58	Sand, fine, bluish-gray, about 10 percent clay	24	120
Clay, silty, blackish-gray	2	60			

149-094-29ABB
(Log from Dingman and Gordon, 1954)

Altitude: 2,396.76 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, tan, and sandy silt	11	11	Clay, silty, dense, gray	39	135
Clay, silty and sandy, gray to tan	14	25	Sand	5	140
Sand	5	30	Clay, silty, dense, gray	15	155
Clay, silty, brown	6	36	Lignite	2	157
Clay, carbonaceous, brown	4	40	Clay, silty, dense, gray	34	191
Clay, silty, dense, brown	10	50	Lignite	7	198
Sand	5	55	Clay, gray	27.5	225.5
Clay, silty, brown	7	62	Lignite	7.5	233
Clay, carbonaceous, brown	13	75	Clay, gray	7	240
Sand	21	96			

149-095-04ADCC
(Log modified from Marion Hurinenko)

Altitude: 2,295 feet **Date drilled:** 08-16-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, light brown	5	5	Clay, gray	10	69
Sandstone	.5	5.5	Clay, gray, and lignite	12	81
Clay, sandy, light-brown	9.5	15	Lignite	2	83
Gravel	3	18	Clay, gray, and lignite	10	93
Clay, brown, and gravel	1	19	Clay, gray	17	110
Clay, light-brown	7	26	Clay, gray, and lignite	7	117
Clay, brown, and soft lignite	3	29	Clay, gray	33	150
Sandstone	1	30	Clay, gray, and lignite	3	153
Clay, light-brown, and gravel	20	50	Clay, sandy, gray	15	168
Clay, gray	2	52	Lignite	3	171
Clay, gray, and soft lignite	5	57	Sand, bluish-green	9	180
Lignite	2	59	Clay, gray	5	185

149-095-06ADDB
(Log modified from Ralph Wold Well Drilling)

Altitude: 2,258 feet **Date drilled:** 10-06-79

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Loam, sandy	14	14	Clay	18	68
Clay	31	45	Lignite	3	71
Lignite	5	50	Clay	9	80

149-095-08AAC
(Log modified from Thompson and Murie Drilling)

Altitude: 2,235 feet **Date drilled:** 08-31-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Lignite	3	57
Clay	7	10	Clay	10	67
Lignite	3	13	Lignite	3	70
Clay	16	29	Clay	64	134
Lignite	1	30	Sand, blue	41	175
Clay	24	54			

149-095-36DBD
(Log from Dingman and Gordon, 1954)

Altitude: 2,503.81 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Silt, brown	7	7	(No sample)	25	105
Clay, sand, and silt	3	10	Clay, silty, dense, gray	40	145
Clay, silty, gray to tan	5	15	Silt, gray	6	151
Sand	30	45	Lignite and sand	4	155
Clay, silty, gray and tan	10	55	Clay, carbonaceous, gray	5	160
Clay, silty and sandy, carbonaceous, gray	20	75	Clay, silty and sandy, gray	55	215
Clay, sandy, gray and tan	5	80	Sand	10	225

Table 3. Drillers' logs of wells and test holes--Continued

150-088-18ADD3
(Log modified from Mann Drilling Co.)

Altitude: 2,030 feet **Date drilled:** 05-18-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	21	21	Sand, fine	11	59
Sand, fine	3	24	Lignite	5	64
Till, gray	24	48			

150-088-29DAD
(Log modified from Mann Drilling Co.)

Altitude: 2,000 feet **Date drilled:** 05-20-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	52	52	Clay	105	215
Sand	8	60	Sand	40	255
Till, gray	34	94	Clay	5	260
Sand, silty	16	110			

150-088-33ADD
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,010 feet **Date drilled:** 04-11-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	24	24	Clay, sandy	21	151
Gravel and sand	6	30	Sandstone	1	152
Clay, brown	50	80	Sand	39	191
Clay, gray	50	130	Clay	1	192

150-088-34ABA
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,020 feet **Date drilled:** 05-17-90

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Clay, gray	7	78
Till, sandy	33	35	Lignite	2	80
Sand	8	43	Clay, gray	90	170
Clay, tan	27	70	Sand	40	210
Lignite	1	71	Clay, sandy	10	220

Table 3. Drillers' logs of wells and test holes--Continued

150-088-34CCC
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,020 feet **Date drilled:** 09-05-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, tan	82	82	Clay	17	139
Clay, gray	39	121	Clay, sandy	13	152
Lignite	1	122	Sand	48	200

150-089-06BBC
(Log modified from Erck Drilling)

Altitude: 2,190 feet **Date drilled:** 12-09-78

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, black	2	2	Clay, brown, with lignite	7	97
Clay, yellow	19	21	Clay, gray	6	103
Clay, sandy, yellow	69	90	Sand, blue	14	117

150-089-14ADD
(Log modified from Mann-Stumvoll Drilling)

Altitude: 1,980 feet **Date drilled:** 07-25-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sandstone	2	36
Sand, tan	7	9	Clay, gray	8	44
Clay	25	34	Lignite	12	56

150-090-19ADB
(Log modified from Mohl Drilling, Inc.)

Altitude: 1,930 feet **Date drilled:** 10-01-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Dirt, sandy	10	10	Sand, brown	60	75
Rock	5	15	Gravel	7	82

Table 3. Drillers' logs of wells and test holes--Continued

150-090-24AAAB
(Log modified from Water Supply, Inc.)

Altitude: 2,039 feet **Date drilled:** 06-02-92

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Clay, silty, bluish-gray; bedrock	25	40
Gravel, fine, medium to coarse, about 20 percent sand	14	15			

150-092-02ABA
(Log from Dingman and Gordon, 1954)

Altitude: 1,932.9 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand and clay, gray	10	200
Sand and gravel	3	5	Clay, gray	33	233
Clay with pebbles	25	30	Lignite	2	235
Clay, gray	40	70	Clay, sandy, gray	20	255
Sand	34	104	Clay, gray	60	315
Clay, gray and brown	6	110	Clay, sandy, gray	13	328
Lignite	5	115	Lignite	17	345
Sand and clay	5	120	Clay, gray-green	22	367
Sand	5	125	Lignite	3	370
Lignite	5	130	Clay, sandy, gray-green	7	377
Sand	3	133	Lignite	3	380
Clay, gray	4	137	Clay, gray-green	8	388
Lignite	3	140	Lignite	2	390
Clay, gray	9	149	Clay, gray-green	3	393
Sand	36	185	Lignite	2	395
Lignite	5	190	Clay, gray to brown	10	405

150-092-12BBDA
(Log modified from Mariner Drilling Service)

Altitude: 2,020 feet **Date drilled:** 07-25-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand	23	90
Clay, yellow	13	15	Lignite	4	94
Sand and gravel	15	30	Sand	18	112
Sand	35	65	Lignite	8	120
Sandstone	2	67			

Table 3. Drillers' logs of wells and test holes--Continued

150-093-01DDA
(Log from Dingman and Gordon, 1954)

Altitude: 2,177.6 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Clay, silty, gray	5	220
Clay, silty and sandy, with gravel	7	10	Lignite	5	225
Clay, silty, gray-brown	5	15	Sand	5	230
Sand	60	75	Clay, gray	10	240
Lignite	5	80	Clay, gray, with lignite streaks	15	255
Clay, silty, dense, gray	55	135	Sand with lignite streaks	15	270
(No sample)	15	150	Sand	40	310
Sand	62	212	Lignite	5	315
Lignite	3	215	Clay, sandy, gray	15	330

150-093-02ADC
(Log from Dingman and Gordon, 1954)

Altitude: 2,141.7 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	5	5	Lignite	8	154
Clay, brown, with gravel	25	30	Clay, gray	129	283
Sand	10	40	Lignite	7	290
Lignite	1	41	Clay, gray	25	315
Sand	18	59	Clay, gray and brown, with thin lignite beds	15	330
Lignite	4	63	Clay, silty, gray	60	390
Clay, gray	53	116	Sand	15	405
Lignite	4	120			
Clay, gray	26	146			

150-093-02CBB
(Log from Dingman and Gordon, 1954)

Altitude: 2,166.8 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Sand	1	231
Clay, yellow, with pebbles	42	45	Clay, gray	89	320
Clay, gray	5	50	Lignite	3	323
Clay, sandy, yellow	16	66	Clay, gray	77	400
Clay, carbonaceous, and lignite	2	68	Sand	10	410
Clay, gray	9	77	Clay, gray	16	426
Lignite	3	80	Limestone	4	430
Clay, silty, gray and brown	90	170	Sand	8	438
Lignite	3	173	Limestone	1	439
Clay, gray and brown	26	199	Lignite	11	450
Clay, brown, with small amount of lignite	5	204	Limestone	3	453
Clay, sandy, dense, gray	26	230	Lignite	9	462
			Clay, gray	33	495

Table 3. Drillers' logs of wells and test holes--Continued

150-093-11BAA
(Log from Dingman and Gordon, 1954)

Altitude: 2,224.2 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Clay, gray	15	230
Clay, brown and gray	17	20	Lignite	2	232
Clay, gray and green	13	33	Clay, gray	3	235
Lignite	6	39	Lignite	3	238
Clay, gray and green	61	100	Clay, silty, gray	31	269
Sand with thin lignite bed	35	135	Lignite	1	270
Clay, silty, gray	10	145	Clay, gray and brown	69	339
Lignite	10	155	Lignite	1	340
Clay, brown and gray	40	195	Clay, gray and brown	30	370
Sand	10	205	Lignite	5	375
Clay, gray and brown	8	213	Clay, gray	30	405
Lignite	2	215			

150-094-19DDDA
(Log modified from Gregory Drilling, inc.)

Altitude: 2,180 feet **Date drilled:** 04-21-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay	6	6	Clay	39	474
Clay, sandy	28	34	Lignite	7	481
Lignite	3	37	Shale	25	506
Clay	9	46	Sand with sandstone layers	8	514
Lignite	2	48	Clay, sandy	6	520
Clay, sandy, gray	9	57	Lignite	3	523
Lignite	2	59	Shale	17	540
Clay	9	68	Lignite	8	548
Lignite	2	70	Shale	52	600
Clay	15	85	Sandstone	1	601
Clay, sandy, gray	8	93	Shale	12	613
Sand, fine, gray	22	115	Sandstone	1	614
Sandstone	1	116	Clay, sandy	16	630
Sand, fine, gray	8	124	Clay, silty	21	651
Clay, sandy	9	133	Shale	47	698
Lignite	14	147	Lignite	7	705
Clay	63	210	Shale	9	714
Sandstone	3	213	Lignite	4	718
Clay	52	265	Shale	13	731
Lignite	6	271	Clay, sandy	14	745
Clay	6	277	Shale	9	754
Lignite	6	283	Clay, silty	11	765
Clay	64	347	Sandstone	5	770
Clay, silty	51	398	Shale	18	788
Sandstone	1	399	Sand	34	822
Clay, sandy	16	415	Lignite	3	825
Clay	17	432	Clay	5	830
Lignite	3	435			

150-094-28ADA
(Log from Dingman and Gordon, 1954)

Altitude: 2,266 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand and pebbles	12	12	Lignite	3	177
Clay, silty, brown	3	15	Sand	15	192
Clay, gray and brown	8	23	Lignite	3	195
Clay, gray	4	27	Clay, sandy, gray	5	200
Lignite	3	30	Lignite	3	203
Clay, gray	30	60	Clay, gray	6	209
Lignite	2	62	Sand	46	255
Clay, silty, dense, gray	8	70	Lignite	7	262
Clay, carbonaceous, brown	3	73	Sand	23	285
Clay, silty, gray	11	84	Clay, sandy, gray	7	292
Clay, carbonaceous, dark	1	85	Lignite	5	297
Clay, gray	5	90	Lignite and clay	3	300
Clay, silty, brown	4	94	Clay, gray	15	315
Lignite and clay	4	98	Sand	10	325
Clay, silty and sandy, dense, gray	43	141	Clay, gray	22	347
Lignite and clay	3	144	Lignite and silty clay	3	350
Clay, gray	21	165	Clay, silty, gray	10	360
Lignite	5	170	Sand	60	420
Clay, silty, brown	4	174			

150-094-32CCB
(Log from Dingman and Gordon, 1954)

Altitude: 2,372.08 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, tan	20	20	Clay, silty, dense, gray	15	180
Clay, carbonaceous, tan	10	30	Lignite and gray clay	5	185
Clay, tan to gray	15	45	Clay, gray	5	190
Clay, sandy, gray and brown	15	60	Clay, sandy, gray, and lignite	5	195
Clay, silty, gray	5	65	Lignite	5	200
Clay, gray	9	74	Clay, silty, gray, and lignite	10	210
Lignite	6	80	Clay, sandy, gray to tan	5	215
Clay and lignite	10	90	Sand, clay, and lignite	5	220
Clay, gray	10	100	Lignite	5	225
Limestone and gray clay	5	105	Clay, silty and sandy, dense, gray	40	265
Clay, carbonaceous, gray	10	115	Clay, gray, sandy, and lignite	5	270
Clay, gray, and small amount of lignite	14	129	Clay, gray	10	280
Lignite	9	138	Lignite	5	285
Limestone	3	141	Sand	5	290
Lignite	4	145	Clay, silty and sandy, dense, carbonaceous, gray	40	330
Clay, gray	5	150	Lignite	5	335
Clay, sandy, gray	8	158	Clay, silty and sandy, gray	45	380
Lignite and clay	5	163	Sand	40	420
Sand	2	165			

150-094-35ACB
(Log from Dingman and Gordon, 1954)

Altitude: 2,244.1 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Silt, sand, and rock fragments	5	5	Lignite and clay	1	227
Clay, silty, brown	25	30	Clay, gray	11	238
Clay, gray	4	34	Clay, and small amount of lignite	2.5	240.5
Lignite	1	35	Clay, silty, dense, gray	11.5	252
Clay, silty and sandy, dense, gray	55	90	Clay, silty, gray, and small amount of lignite	1	253
Sand	52	142	Clay, gray	6	259
Clay, silty, dense, gray	19	161	Lignite	9	268
Lignite	1	162	Clay, sandy	2	270
Clay, silty, gray	18	180	Sand	8	278
Lignite	10	190	Sand and lignite	2	280
Clay, sandy, gray	5	195	Clay, silty, dense, gray	45	325
Sand	5	200	Lignite	3	328
Lignite	2	202	Clay, gray	17	345
Sand	4	206	Sand	70	415
Clay, sandy, dense, gray	8	214	Clay, silt, sand, and lignite	5	420
Lignite and clay	6	220			
Clay, gray	6	226			

150-095-05BBA1
(Log modified from Mann Drilling Co.)

Altitude: 2,385 feet **Date drilled:** 03-02-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, tan	21	21	Lignite	2	62
Lignite	4	25	Clay	26	88
Clay	7	32	Sand and sandy clay	52	140
Lignite	6	38	Lignite	18	158
Clay	22	60			

150-095-09BAAB
(Log modified from Sax Well Drilling)

Altitude: 2,220 feet **Date drilled:** 09-01-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand	21	111
Silt, clay, and scoria	18	20	Sandstone	1	112
Silt, clayey	10	30	Sand, fine	8	120
Shale and clay	30	60	Lignite	1	121
Sand	10	70	Sand, fine	8	129
Lignite	1	71	Clay and lignite	1	130
Sand	4	75	Clay, sandy	4	134
Sandstone	5	80	Sand and clay	6	140
Sand, clayey, hard	7	87	Lignite	5	145
Sand, fine	3	90	Clay	5	150

150-095-09DBDC
(Log modified from Mariner Drilling Service)

Altitude: 2,290 feet **Date drilled:** 02-04-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, sandy	45	105
Clay, yellow	36	37	Lignite	2	107
Sand, clayey	2	39	Clay, gray	32	139
Clay, blue	7	46	Sand	21	160
Lignite	2	48	Clay, sandy, gray	26	186
Clay, gray	12	60	Sand	74	260

150-095-13CBCD
(Log modified from Thompson and Murie Drilling)

Altitude: 2,070 feet **Date drilled:** 05-19-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand, brown	15	25
Sand, brown	11	13	Sand, gray	5	40
Gravel	7	20	Sand, blue	25	65

150-095-13DCC
(Log from Dingman and Gordon, 1954)

Altitude: 2,169.58 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand with pebbles	20	20	Lignite	4	234
Silt, brown	5	25	Clay, silty and sandy, dense, carbonaceous, gray and brown	51	285
Clay, sandy, gray, and gravel	7	32	Lignite	4	289
Clay, gray	2	34	Clay, gray	41	330
Lignite	9	43	Clay, silty, gray and brown	20	350
Clay, gray	1	44	Clay, silty, dense, gray	30	380
Lignite	6.5	50.5	Clay, gray, and lignite	5	385
Clay, silty, dense, gray	29.5	80	Clay, silty, dense, gray and tan	29	414
Sand	7	87	Lignite	6	420
Clay, silty, dense, gray	9	96	Clay, silty, gray to brown	14	434
Clay, brown, and lignite	6	102	Lignite	3	437
Clay, silty, gray	20	122	Clay, gray	26	463
Sand	63	185	Lignite	6	469
Sand and gray clay	20	205	Clay, gray to tan	28	497
Clay, silt, lignite, and sand	15	220	Lignite	4	501
Lignite	6.5	226.5	Clay, gray	9	510
Clay, gray	3.5	230			

Table 3. Drillers' logs of wells and test holes--Continued

150-095-17CACA
(Log modified from Thompson and Murie Drilling)

Altitude: 2,280 feet **Date drilled:** 06-01-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Clay, blue	29	77
Sandstone	2	5	Lignite	1	78
Sand	9	14	Clay, blue	23	101
Sandstone	1	15	Sandstone	1	102
Sand	5	20	Sand, blue	13	115
Lignite, soft	5	25	Sandstone	4	119
Clay, blue	15	40	Sand, blue	53	172
Lignite	8	48			

150-095-22AAC
(Log modified from Ralph Wold Well Drilling)

Altitude: 2,185 feet **Date drilled:** 08-08-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy	10	10	Clay, sandy	57	90
Gravel, coarse	3	13	Sand	2	92
Sand and clay	7	20	Clay	28	120
Gravel	3	23	Sand with lignite streaks	12	132
Clay	8	31	Clay	5	127
Lignite	2	33			

150-095-29CAC
(Log modified from Ralph Wold Well Drilling)

Altitude: 2,300 feet **Date drilled:** 08-23-75

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand	5	5	Clay	20	125
Clay	45	50	Clay, hard; shale	35	160
Lignite	4	54	Sand	4	164
Clay	6	60	Clay	12	176
Sandstone	2	62	Clay, sandy	34	210
Clay	10	72	Sand	30	240
Lignite	33	105			

Table 3. Drillers' logs of wells and test holes--Continued

150-095-32AACD
(Log modified from Sax Well Drilling)

Altitude: 2,290 feet **Date drilled:** 05-01-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	5	68
Sandy	14	15	Clay, green	9	77
Clay	5	20	Clay, sandy	51	128
Clay, blue	6	26	Lignite	1	129
Lignite	1	27	Clay, sandy	51	180
Clay	10	37	Sand, fine; sandstone, with thin layers of clay and lignite	85	265
Sandstone	1	38	Clay	1	266
Clay	12	50	Sandstone	4	270
Lignite	4	54			
Clay	9	63			

151-088-01ABA2
(Log modified from Mariner's Well Drilling)

Altitude: 2,095 feet **Date drilled:** 09-26-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	2	143
Clay, yellow	47	48	Clay, green	31	174
Clay, blue	15	63	Lignite	1	175
Lignite	1	64	Clay, green	12	187
Clay, gray	28	92	Lignite with sand streaks	9	196
Lignite	6	98	Clay, brown	4	200
Clay, gray and green	43	141			

151-088-25CCC
(Log modified from Mariner's Well Drilling)

Altitude: 2,155 feet **Date drilled:** 11-28-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Clay, yellow	15	61
Clay, sandy, yellow	20	22	Sand	9	70
Clay, blue	24	46			

151-090-03CCC
(Log modified from Water Supply, Inc.)

Altitude: 2,045 feet **Date drilled:** Not available

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty	1	1	Sand, fine, yellowish-brown, about 30 percent clay; bedrock	17	75
Clay, silty, yellowish-brown; till	27	28	Sandstone	1	76
Clay, silty, yellowish-brown	4	32	Sand, fine to medium, yellowish-brown, about 20 percent clay	14	90
Sand, fine to medium, yellowish-brown	3	35	Sandstone	3	93
Clay, silty, yellowish-brown	5	40	Sand, fine to medium, yellowish-brown	12	105
Sand, fine, yellowish-brown	9	49	Clay, silty, medium-gray	2	107
Gravel, fine, medium to coarse, yellowish-brown	3	52			
Clay, silty, yellowish-brown; till	6	58			

151-090-06DAD
(Log modified from Water Supply, Inc.)

Altitude: 2,010 feet **Date drilled:** 04-03-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Clay, silty, medium-gray	21.5	69
Clay, silty, yellowish-brown; till	18	19	Lignite	3	72
Sand, fine to medium, yellowish-brown; bedrock	13	32	Clay, silty, yellowish-gray	9	81
Clay, silty, yellowish-brown	4	36	Sand, fine, bluish-gray	60	141
Clay, silty, medium-gray	11	47	Clay, silty, medium-gray	10	151
Sandstone	.5	47.5	Sandstone	.5	151.5
			Clay, silty, medium-gray	8.5	160

151-090-09BBB
(Log modified from Water Supply, Inc.)

Altitude: 2,025 feet **Date drilled:** 04-03-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Clay, silty, medium-gray	12	115
Clay, silty, yellowish-brown; till	5	6	Sandstone	.5	115.5
Sand, fine, yellowish-brown; bedrock	33	39	Clay, silty, medium-gray	7.5	123
Sandstone	3	42	Sand, fine to medium, bluish-gray, about 20 percent clay	11	134
Sand, fine to medium, yellowish-brown	9	51	Sand, fine to medium, bluish-gray, about 10 percent clay	5	139
Sandstone	4	55	Lignite	6	145
Sand, fine to medium, yellowish-brown	29	84	Clay, silty, medium-gray	15	160
Lignite, slack	1	85			
Clay, silty, medium-gray	15	100			
Sand, fine to medium, yellowish-brown	3	103			

Table 3. Drillers' logs of wells and test holes--Continued

151-090-11AAB
(Log modified from Dennis Water Well Drilling)

Altitude: 2,045 feet **Date drilled:** 06-05-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Hardpan	2	89
Clay, sandy, yellow	43	44	Sand, blue	33	122
Clay, blue	24	68	Lignite	2	124
Sand, brown	19	87	Clay, brown	1	125

151-090-19BAA
(Log modified from Dennis Water Well Drilling)

Altitude: 2,110 feet **Date drilled:** 07-09-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	2	155
Sand and gravel	6	7	Clay, blue	34.5	189.5
Clay, yellow	13	20	Lignite	6.5	196
Sand and gravel	8	28	Clay, blue	24	220
Clay, blue	2	30	Sand, blue	14	234
Sand and gravel	3	33	Lignite	5	239
Clay, sandy, blue	34	67	Clay, gray	73.5	312.5
Lignite	2	69	Lignite	8.5	321
Clay, blue	9.5	78.5	Clay, gray	12	333
Lignite	5	83.5	Lignite	2	335
Clay, brown	3.5	87	Clay, gray	19	354
Clay, blue	66	153	Lignite	4	358

151-090-25BAA
(Log modified from Dennis Water Well Drilling)

Altitude: 2,190 feet **Date drilled:** 10-13-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	1	162
Clay, sandy, yellow	24	25	Clay, blue	2	164
Clay, yellow	20	45	Lignite	2	166
Clay, gray	63	108	Clay, blue	2	168
Lignite	1	109	Lignite	2	170
Clay, blue	6	115	Clay, brown	2	172
Lignite	2	117	Lignite	2	174
Clay, sandy, blue	44	161	Clay, blue	6	180

Table 3. Drillers' logs of wells and test holes--Continued

151-090-29BBC
(Log modified from Mann Drilling Co.)

Altitude: 2,150 feet **Date drilled:** 10-19-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	40	40	Sand	30	570
Lignite	4	44	Clay	1,010	1,580
Clay	266	310	Sand	30	1,610
Sand, fine	25	335	Clay	10	1,620
Clay	205	540			

151-090-36ADD
(Log modified from Dennis Water Well Drilling)

Altitude: 2,175 feet **Date drilled:** 10-16-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, sandy, brown	5	26
Clay, silty, yellow	7	8	Clay, brown	31	57
Clay, yellow	10	18	Sand, white	1	58
Sand, brown	3	21	Clay, sandy, white	7	65

151-091-01BAA
(Log modified from Water Supply, Inc.)

Altitude: 1,895 feet **Date drilled:** 04-04-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Sand, fine to medium, yellowish-brown, with clay layers	14	84
Clay, silty, yellowish-brown; till	4	5	Clay, sandy, silty, olive-gray	16	100
Sand, fine to medium to coarse	2	7	Sand, fine to medium, yellowish-brown	9	109
Gravel and rocks	2	9	Gravel, fine to medium to coarse, about 20 percent sand	15	124
Gravel, medium to coarse	8	17	Clay, sandy, silty, olive-gray	6	130
Clay, silty, olive-gray	9	26	Gravel and rocks	1	131
Sand, fine to medium	3	29	Clay, silty, light-gray; bedrock	4	135
Clay, silty, olive-gray; till	35	64			
Clay, silty, olive-gray	6	70			

Table 3. Drillers' logs of wells and test holes--Continued

151-091-02CDC
(Log modified from Mann Drilling Co.)

Altitude: 1,875 feet **Date drilled:** 07-24-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand	21	21	Sand, fine	20	85
Clay, silty	44	65			

151-091-11BAA1
(Log modified from Mann Drilling Co.)

Altitude: 1,875 feet **Date drilled:** 09-17-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, silty	27	27	Gravel	9	65
Clay, silty	29	56			

151-091-11BAA2
(Log modified from Mann Drilling Co.)

Altitude: 1,875 feet **Date drilled:** 07-24-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand	12	12	Sand and gravel	13	70
Till	45	57			

151-091-11BBB2
(Log modified from Mann Drilling Co.)

Altitude: 1,880 feet **Date drilled:** 05-06-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, tan	12	12	Sand	10	120
Sand	10	22	Till	40	160
Till	88	110			

151-091-11BBC
(Log modified from Mann Drilling Co.)

Altitude: 1,880 feet **Date drilled:** 04-15-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	60	60	Clay, sandy	155	250
Sand and gravel	15	75	Clay	1,045	1,295
Till	20	95	Sand	45	1,340

151-091-11CDD
(Log modifled form Dennis Water Well Drilling)

Altitude: 1,935 feet **Date drilled:** 06-21-85

Matarial	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	2	136
Clay, yellow	17	18	Clay, blue	5	141
Lignite	2	20	Clay, sandy, blue	16	157
Clay, blue	16	36	Lignite	.5	157.5
Lignite	2	38	Clay, sandy, blue	6 5	164
Clay, blue	81	119	Lignite	5	169
Lignite	.5	119.5	Clay, blue	6	175
Clay, blue	14.5	134			

151-091-12BBA1
(Log modifled from Dennis Water Well Drilling)

Altitude: 1,900 feet **Date drilled:** 06-10-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	7	194.5
Clay, yellow	15	16	Clay, gray	25 5	220
Lignite	2	18	Lignite	5	225
Clay, blue	22	40	Clay, blue	33	258
Lignite	1	41	Lignite	6	264
Clay, blue	99	140	Clay, blue	33	297
Lignite	2	142	Lignite	15	312
Clay, blue	45.5	187.5	Clay, gray	48	360

151-091-12BBA2
(Log modified from Dennis Water Well Drilling)

Altitude: 1,880 feet **Date drilled:** 06-13-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	4	114
Clay, yellow	14	15	Clay, blue	25	139
Sand, brown	4	19	Lignite	2	141
Clay, blue	11	30	Clay, blue	37	178
Lignite	1	31	Lignite	5.5	183.5
Clay, blue	79	110	Clay, blue	10.5	194

151-092-28ABAB
(Log modified from Crowder-Dennis Drilling)

Altitude: 1,940 feet **Date drilled:** 07-20-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, brown	2	111
Clay, yellow	10	11	Clay, blue	49	160
Clay, yellow, with fine sand streaks	74	85	Sand, fine, blue	27	187
Clay, blue	13	98	Clay, blue	2	189
Clay, hardpan	1	99	Sand, fine, blue	11	200
Clay, blue	10	109			

151-093-02ADCA
(Log modified from Crowder-Dennis Drilling)

Altitude: 2,130 feet **Date drilled:** 07-27-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, brown	2.5	128.5
Clay, yellow	9	10	Clay, sandy, blue	2	130.5
Clay, blue	14	24	Lignite	2.5	133
Sand, yellow and brown	54	78	Sand, blue	38	171
Clay, blue	10.5	88.5	Shale, gray	16	187
Lignite	1.5	90	Sand	5	192
Clay, blue	36	126	Lignite	1	193

Table 3. Drillers' logs of wells and test holes--Continued

151-093-10AAAB
(Log modified from Crowder-Dennis Drilling)

Altitude: 2,164 feet **Date drilled:** 07-27-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Lignite	4	194
Clay, yellow	28	30	Shale, gray	87.5	281.5
Clay, brown	2	32	Lignite	2.5	284
Clay, blue	36	68	Shale, gray	41	325
Clay, brown	11.5	79.5	Clay, brown	3	328
Lignite	2.5	82	Lignite	1	329
Clay, blue	10.5	92.5	Clay, blue	59.5	388.5
Lignite	4.5	97	Lignite	1.5	390
Clay, blue	53	150	Shale, gray	25 5	415.5
Sand, fine, blue	15	165	Lignite	5.5	421
Clay, blue	25	190			

151-093-10BAB
(Log modified from Dennis Water Well Drilling)

Altitude: 2,020 feet **Date drilled:** 08-10-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, fine, gray	48	198
Clay, yellow	16	17	Hardpan, green	2	200
Lignite	1	18	Shale, sandy, gray	2	202
Clay, blue	87	105	Sand, fine, gray	58	260
Lignite	2	107	Lignite	4	264
Shale, gray	43	150	Shale, gray	11	275

151-093-14DBAD
(Log modified from Crowder-Dennis Drilling)

Altitude: 2,060 feet **Date drilled:** 07-16-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	3	3	Clay, mixed brown and blue	3	75
Clay, yellow	12	15	Clay, blue	35	110
Clay, blue	44	59	Clay, green	20	130
Gravel	1	60	Clay, sandy, and blue fine sand	57	187
Shale, blue	12	72	Clay, blue	3	190

151-093-28DDD2
(Log modified from Dennis Water Well Drilling)

Altitude: 2,110 feet **Date drilled:** 10-10-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, blue	7.5	94.5
Clay, yellow	34	35	Lignite	2.5	97
Sand, brown	45	80	Clay, blue	6	103
Clay, blue	7	87			

151-093-34ABDA
(Log modified from S and L Drilling, inc.)

Altitude: 2,020 feet **Date drilled:** 06-27-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, with lignite streaks	20	20	Sand, fine, blue	6	97
Clay, sandy, brown	12	32	Clay, blue	56	153
Lignite	4	36	Sandstone	3	156
Clay, gray	4	40	Shale, with lignite streaks	72	228
Clay, sandy, blue	12	52	Lignite	10	238
Lignite	4	56	Shale	60	298
Shale	15	71	Lignite	10	308
Lignite	3	74	Shale	50	358
Shale	17	91			

151-093-35-BBB2
(Log modified from Dennis Water Well Drilling)

Altitude: 2,010 feet **Date drilled:** 01-03-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, blue	26	256
Clay, yellow	31	32	Sandstone, white	3	259
Sand, brown	23	55	Clay, blue	16	275
Clay, blue	78	133	Lignite	2	277
Lignite	2	135	Clay, blue	8	285
Clay, blue	26	161	Lignite	9	294
Lignite	3	164	Shale, gray	14	308
Clay, blue	66	230			

151-094-06AAB2
(Log modified from Water Supply, Inc.)

Altitude: 2,138 feet **Date drilled:** 06-08-92

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, silty, black	1	1	Lignite	1	88
Clay, silty, yellowish-brown; till	9	10	Clay, silty, medium-gray	5	93
Sand, fine, yellowish-brown; bedrock	27	37	Lignite	5	98
Sandstone	2	39	Clay, silty, medium-gray	14	112
Sand, fine, clayey, yellowish-brown, about 30 percent clay	19	58	Sandstone	2	114
Lignite, soft	6	64	Clay, silty, medium-gray	26	140
Clay, silty, medium-gray	23	87	Lignite	12	152
			Clay, silty, brownish-gray	3	155

151-094--09ADD
(Log from Dingman and Gordon, 1954)

Altitude: 2,124.54 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, brown, with pebbles	10	10	Clay, silty, gray	20	225
Clay, silty, brown and gray	15	25	Lignite	17	242
Sand	1.5	26.5	Clay, silty, gray	5	247
Clay, silty, gray	7.5	34	Lignite	2	249
Clay, sandy	2	36	Clay, silty, dense, gray	48	297
Lignite	4	40	Lignite	6	303
Clay, silty, gray	5	45	Lignite and gray dense silty clay	32	335
Lignite and silty clay	5	50	Clay, silty, gray and brown	25	360
Sand	5	55	Lignite	15	375
Clay, silty, gray	21	76	Lignite and clay	10	385
Lignite	7	83	Lignite	10	395
Clay, silty, gray	17	100	Lignite and clay	30	425
Lignite	5	105	Clay, gray, silty	60	485
Sand	30	135	Lignite	4	489
Lignite	6	141	Lignite and gray clay	6	495
Lignite and gray clay	12	153	Clay, gray	5	500
Clay, silty, gray	47	200	Lignite	5	505
Sand	5	205	Lignite and brown clay	5	510

151-094-28DAA
(Log from Dingman and Gordon, 1954)

Altitude: 2,348.49 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty and sandy, tan	10	10	Clay, silty, dense, gray	57	173
Clay, silty, gray	23	33	Lignite	3	176
Lignite and gray clay	1	34	Clay, silty, dense, gray	32	208
Clay, silty, dense, gray	79	113	Clay, carbonaceous, brown	5	213
Lignite	3	116	Clay, silty, dense, gray	27	240

151-095-24ACD
(Log from Dingman and Gordon, 1954)

Altitude: 2,357.68 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, brown	5	5	Lignite and gray clay	5	125
Clay, silty, gray	16.5	21.5	Clay, gray	5	130
Lignite	.5	22	Sand	35	165
Clay, gray, and tan shale	9	31	Lignite	1	166
Lignite and clay	2	33	Sand	14	180
Clay, silty, gray	14	47	Clay, brown; lignite and sand	2	182
Clay, carbonaceous, gray	3	50	Silt	8	190
Clay, carbonaceous, gray to brown	4	54	Clay, silty, gray	8	198
Lignite	1	55	Lignite and clay	2	200
Clay, gray	5	60	Clay, silty, gray	7	207
Lignite	4	64	Lignite	3	210
Clay, silty, gray	6	70	Clay, silty, gray	27	237
Silt	4	74	Lignite	13	250
Lignite, sand, clay, and limestone	5	79	Clay, gray	25	275
Sand	6	85	Lignite	19	294
Clay, gray and brown	5	90	Clay, silt, and sand	16	310
Lignite	5	95	Clay, gray	3	313
Clay, silty, gray	11	106	Lignite	11	324
Lignite	3	109	Clay, silty, dense, carbonaceous, gray	34	358
Sand	9	118	Clay, gray	32	390
Lignite	2	120			

151-095-30BBA
(Log modified from S and L Drilling, Inc.)

Altitude: 2,355 feet **Date drilled:** 06-28-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Lignite	2	112
Clay, brown	13	15	Clay, blue	8	120
Lignite	2	17	Lignite	3	123
Clay, brown	11	28	Clay, blue	17	140
Clay, blue	14	42	Shale and lignite	8	148
Lignite	6	48	Clay, blue, with shale streaks	37	185
Clay, blue	3	51	Sand, blue, with lignite specks	60	245
Clay, brown; brown sand	29	80	Clay, green	12	257
Lignite	20	100	Lignite	6	263
Clay, blue	10	110	Clay, gray	2	265

151-095-30CDAC
(Log modified from Mariner Drilling Service)

Altitude: 2,570 feet **Date drilled:** 10-30-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	4	4	Clay, white	60	300
Clay, yellow	76	80	Clay, blue, with lignite	110	410
Clay, blue	160	240	Sand, with lignite	30	440

151-095-36ACB
(Log from Dingman and Gordon, 1954)

Altitude: 2,297.94 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, brown, with pebbles	15	15	(No sample)	57	150
Sand and gravel	10	25	Clay, silty, dense, gray and brown	15	165
Clay, silty, brown, with pebbles	15	40	(No sample)	45	210
(No sample)	47	87	Lignite(?) (no sample)	15	225
Lignite(?) (no sample)	6	93			

152-087-27BCB
(Log modified from Mann Drilling Co.)

Altitude: 2,080 feet **Date drilled:** 10-04-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Till	98	133
Clay, silty	33	35	Gravel and sand	25	158

152-088-04BBAB
(Log modified from Russell Drilling Co., inc.)

Altitude: 2,095 feet **Date drilled:** 04-05-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, yellow	42	42	Clay, silty	5	80
Clay, silty	14	56	Lignite	3	83
Clay, silty to sandy	16	72	Clay, silty to sandy	6	89
Lignite	3	75	Clay	11	100

152-088-04BBBD1
(Log from North Dakota State Water Commission)
11803

Altitude: 2,094.73 feet **Date drilled:** 07-18-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Claystone, slightly silty, waxy, oxidized to 42 feet	3	43
Clay, silty, soft, plastic, oxidized, yellowish brown mottled with reddish brown	11	13	Siltstone, clayey, slightly oxidized	6	49
Clay, silty, sandy, pebbly, soft, plastic, oxidized, dark yellowish orange (till)	10	23	Sandstone, slightly to very clayey, very fine to fine, angular	12	61
Sandstone (boulder)	1	24	Claystone, slightly silty, waxy, plastic	4	65
Clay, silty, sandy, pebbly, soft, plastic (till)	13	37	Siltstone, as above	3	68
Siltstone, very clayey, slightly micaceous, oxidized, greenish-gray to yellowish-green	3	40	Lignite	3	71
			Claystone, as above	9	80

152-088-04BBBD2
(Log from North Dakota State Water Commission)
11955

Altitude: 2,095 feet **Date drilled:** 04-22-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sandstone, very fine, angular, slightly clayey, poorly indurated	9	69
Silt, very clayey, soft, plastic, oxidized	12	14	Lignite	1	70
Clay, very silty, sandy, pebbly, soft, plastic, oxidized (till)	29	43	Sandstone, very fine, angular, clayey, poorly indurated	1	71
Siltstone, very clayey, poorly indurated	8	51	Claystone, nonsilty, waxy, poorly indurated	5	76
Claystone, slightly silty, waxy, poorly indurated, interbedded siltstone	5	56	Siltstone, very clayey	6	82
Lignite	1	57	Lignite	4	86
Claystone, silty, bentonitic, waxy, poorly indurated	3	60	Claystone	3	89

152-088-04BDA
(Log modified from Mann Drilling Co.)

Altitude: 2,090 feet **Date drilled:** 08-26-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	42	42	Lignite	4	101
Clay	44	86	Clay	19	120
Lignite	4	90	Sand	12	132
Clay	7	97	Clay	8	140

152-088-05DAD2
(Log modified from Mariner Drilling Service)

Altitude: 2,090 feet **Date drilled:** 08-02-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, gray	10	115
Clay, yellow	45	46	Hardpan	2	117
Lignite	3	49	Clay, gray	13	130
Clay, yellow	6	55	Lignite	2	132
Lignite	5	60	Clay, blue	7	139
Clay, yellow	16	76	Lignite	11	150
Lignite	4	80	Clay, gray	30	180
Clay, yellow	10	90	Lignite	15	195
Lignite	5	95	Sand	43	238
Clay, gray	9	104	Clay, blue	2	240
Lignite	1	105			

152-088-28BBB2
(Log modified from Mann Drilling Co.)

Altitude: 2,100 feet **Date drilled:** 09-10-79

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	120	120	Lignite	6	190
Sand, silty	64	184			

152-088-34BBB
(Log modified from Mann Drilling Co.)

Altitude: 2,105 feet **Date drilled:** 07-14-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	32	32	Clay	24	150
Till, gray	58	90	Lignite	4	154
Sand, silty, with lignite chips	15	105	Clay	53	207
Till	21	126	Lignite	8	215

Table 3. Drillers' logs of wells and test holes--Continued

152-089-05BACB
(Log modified from Mann Drilling Co.)

Altitude: 2,105 feet **Date drilled:** 03-22-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till	18	18	Lignite	4	69
Lignite	2	20	Clay	1	70
Clay	45	65			

152-089-19BCCC
(Log modified from Mann Drilling Co.)

Altitude: 2,040 feet **Date drilled:** 05-07-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	22	22	Sandstone	1	151
Sand, tan	22	44	Clay, sandy	35	186
Clay, sandy, gray	79	123	Lignite	6	192
Sand	27	150			

152-089-23CCC
(Log modified from Water Supply, Inc.)

Altitude: 1,970 feet **Date drilled:** 10-13-77

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, yellowish brown, cohesive, calcareous, oxidized	11	11	Gravel, sandy; predominantly quartz fine sand to pebbles; shale sand; subrounded shale; carbonate gravel	13	47
Sand, very fine to medium, predominantly quartz; gray shale	2	13	Till, sandy, silty, medium-gray	8	55
Till, olive-gray, cohesive, calcareous; clay through gravel	4	17	Siltstone, medium-gray to light-gray, cohesive, fairly solid; slightly calcareous very fine sand and lignite inclusions	25	80
Gravel, sandy; medium sand to pebbles; predominantly quartz sand; limestone; shale gravel	5	22			
Till, olive-gray, cohesive, calcareous; clay through sand	12	34			

Table 3. Drillers' logs of wells and test holes--Continued

152-089-28DCD
(Log modified from Dennis Water Well Drilling)

Altitude: 1,990 feet **Date drilled:** 11-30-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, gravel, and lignite	18	66
Clay, yellow	29	30	Clay, blue	3	69
Clay, blue	18	48	Lignite	3	72

152-089-29CCC3
(Log modified from Mann Drilling Co.)

Altitude: 1,955 feet **Date drilled:** 10-08-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Till	21	25
Gravel	2	4	Sand and gravel	12	37

152-089-29CCC4
(Log modified from Mann Drilling Co.)

Altitude: 1,960 feet **Date drilled:** 03-26-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	25	25	Clay	24	180
Sand	17	42	Lignite	4	184
Till	29	71	Clay	96	280
Clay	83	154	Lignite	8	288
Lignite	2	156			

152-089-29CCC5
(Log modified from Mann Drilling Co.)

Altitude: 1,955 feet **Date drilled:** 03-29-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Till, gray	18	28
Gravel	9	10	Sand and gravel	10	38

152-089-34ABB
(Log modified from Mariner Drilling Service)

Altitude: 2,050 feet **Date drilled:** 07-02-79

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, blue and gray	9	110
Clay, yellow	53	54	Clay, sandy	10	120
Clay, blue	47	101			

152-090-02CDDA
(Log modified from Mann Drilling Co.)

Altitude: 2,080 feet **Date drilled:** 09-27-84

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	110	110	Sand	45	240
Clay, gray	85	195	Lignite	3	243

152-090-11DDD1
(Log modified from Mariner Drilling Service)

Altitude: 2,110 feet **Date drilled:** 10-26-78

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, brown; lignite	5	70
Rocks and sand	4	5	Clay, gray	27	97
Clay, hard, yellow	20	25	Lignite	10	107
Clay, blue	40	65	Clay, sandy, gray	8	115

152-090-11DDD2
(Log modified from Mariner Drilling Service)

Altitude: 2,110 feet **Date drilled:** 07-15-79

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, white and green	8	99
Clay, yellow	20	21	Lignite	2	101
Clay, blue	54	75	Clay, green	7	108
Lignite	2	77	Sand, gray and green; lignite streaks	17	125
Clay, green	13	90	Clay, green	15	140
Lignite	1	91			

152-090-11DDD3
(Log modified from Mann-Stumvoll Drilling)

Altitude: 2,105 feet **Date drilled:** 04-25-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay	10	10	Clay, gray	28	91
Sand, tan	41	51	Lignite	8	99
Sand, gray	12	63	Clay	1	100

152-090-13DAA2
(Log modified from Dennis Water Well Drilling)

Altitude: 2,110 feet **Date drilled:** 11-20-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, blue	49.5	259
Clay, yellow	22	23	Lignite	2	261
Sand, brown	10	33	Clay, sandy, blue	29	290
Clay, blue	27	60	Shale, gray	26	316
Lignite	10	70	Lignite	2	318
Clay, blue	70	140	Clay, sandy, gray	40	358
Clay, sandy, blue	15	155	Lignite	2	360
Lignite	1	156	Clay, green	7	367
Clay, sandy, blue	10	166	Sandstone	1	368
Clay, blue	8	174	Clay(?)	1	369
Clay, hard	3.5	177.5	Sandstone	1	370
Clay, sandy, blue	30.5	208	Shale, gray	15	385
Lignite	1.5	209.5			

152-090-15BAD
(Log modified from Dennis Water Well Drilling)

Altitude: 2,035 feet **Date drilled:** 06-15-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	2	78
Clay, yellow	21	22	Clay, blue	18	96
Clay, blue	25	47	Lignite	4.5	100.5
Lignite	10	57	Clay, brown	5.5	106
Clay, blue	19	76			

Table 3. Drillers' logs of wells and test holes--Continued

152-091-05DBB
(Log modified from Mariner Drilling Service)

Altitude: 2,060 feet **Date drilled:** 08-07-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, gray and white, with lignite streaks	15	90
Clay, yellow	38	39	Clay, sandy	2	92
Clay, blue	36	75			

152-091-09DDD2
(Log modified from Dennis Water Well Drilling)

Altitude: 2,075 feet **Date drilled:** 10-20-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Lignite	2	82
Clay, sandy, yellow	13	14	Clay, blue	11	93
Clay, yellow	18	32	Clay, sandy, blue	47	140
Sand, brown	28	60	Clay, blue	6	146
Clay, yellow	2	62	Lignite	10	156
Clay, blue and green	18	80	Clay, blue	4	160

152-091-15BCCC
(Log modified from Dennis Water Well Drilling)

Altitude: 2,015 feet **Date drilled:** 11-08-86

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, blue	35	102
Clay, yellow	35	36	Sand, blue, with streaks of blue sandy clay	37	139
Clay, sandy, brown	25	61	Clay, blue	6	145
Lignite	6	67			

152-091-18CDA
(Log modified from Crowder Well Drilling)

Altitude: 1,930 feet **Date drilled:** 07-26-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand and medium gravel	26	96
Clay, yellow; gravel	49	50	Clay, blue	4	100
Clay, blue; gravel	20	70			

Table 3. Drillers' logs of wells and test holes--Continued

152-091-32ABB
(Log modified from Dennis Water Well Drilling)

Altitude: 1,880 feet **Date drilled:** 08-06-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, yellow; hardpan	3	25
Clay, yellow	9	10	Clay, blue	60	85
Clay, light-brown	12	22	Sand, blue	45	130

152-091-32BBA
(Log modified from Mann Drilling Co.)

Altitude: 1,890 feet **Date drilled:** 04-24-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Till, tan	43	43	Lignite	3	246
Till, gray	95	138	Clay	10	256
Sand	6	144	Lignite	10	266
Lignite	3	147	Clay	249	515
Sand, fine	18	165	Sand	65	580
Clay, gray	78	243	Clay	5	585

152-092-07AAA
(Log modified from S and L Drilling, Inc.)

Altitude: 2,080 feet **Date drilled:** 04-28-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay	22	22	Clay, blue	4	74
Clay, blue, with lignite streaks	20	42	Lignite	5	79
Clay, blue; blue fine sand	20	62	Clay, blue	1	80
Lignite	8	70			

152-092-07AABB
(Log modified from S and L Drilling, inc.)

Altitude: 2,060 feet **Date drilled:** 03-01-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy, brown	10	10	Lignite	2	75
Sand, brown	5	15	Clay	4	79
Clay, sandy, brown	9	24	Lignite	8	87
Clay	15	39	Clay	7	94
Lignite	4	43	Lignite	6	100
Clay, brown	3	46	Clay	3	103
Clay	27	73			

152-092-12DDD
(Log modified from Dennis Water Well Drilling)

Altitude: 1,970 feet **Date drilled:** 07-23-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, blue	6	70
Clay, yellow	17	18	Lignite	3	73
Clay, blue	27	45	Clay, blue	6.5	79.5
Sand, medium, blue	2	47	Lignite	1.5	81
Clay, blue	17	64	Clay, blue	39	120

152-092-16CDBD
(Log modified from Tandeski Water Well Drilling)

Altitude: 1,955 feet **Date drilled:** 05-30-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, sandy, black	5	5	Sand with water	23	90
Sand and gravel	62	67			

152-092-16CDDC
(Log modified from S and L Drilling, inc.)

Altitude: 1,955 feet **Date drilled:** 11-02-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand and gravel	30	30	Sand, fine to coarse; gravel streaks and lignite chips	35	210
Clay, brown	20	50	Clay, blue	5	215
Clay, blue	125	175			

Table 3. Drillers' logs of wells and test holes--Continued

152-092-17BDCB
(Log modified from Mohl Drilling, Inc.)

Altitude: 1,945 feet **Date drilled:** 11-01-81

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, sandy	5	5	Clay, silty, gray	95	235
Clay, brown	75	80	Gravel	11	246
Clay, gray	60	140	Clay, gray	14	260

152-092-17DDDA
(Log modified from Dennis Water Well Drilling)

Altitude: 1,908 feet **Date drilled:** 06-20-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, blue	6	211
Clay, yellow	14	15	Clay	1	212
Sand, fine, brown	5	20	Gravel, medium to coarse	9	221
Clay, blue, with gravel stringers	175	195	Clay, blue	6	227
Sand, coarse	10	205			

152-092-18AADD
(Log modified from LTP Enterprises, Inc.)

Altitude: 1,945 feet **Date drilled:** 12-18-85

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, black	2	2	Sand	2.5	197
Sand and gravel, brown	11	13	Clay, sandy, blue	21	218
Clay, very sandy, brown, with lenses of sand	3	16	Sand, gray	3.5	221.5
Sand, clayey, brown	3	19	Clay, sandy, blue	8	229.5
Clay, sandy, brown	21	40	Sand, clayey, gray	4.5	234
Clay, sandy, blue	40	80	Clay, sandy, blue	2	236
Clay, blue	111	191	Sand, fine, blue	11	247
Clay, sandy, blue, with small lenses of fine sand	3.5	194.5	Sand, fine, clayey, blue	5	252
			Sand, fine, blue, with lignite	7	259
			Sand, fine, clayey, blue, with lignite	9	268

Table 3. Drillers' logs of wells and test holes--Continued

152-092-18ABBB
(Log modified from S and L Drilling, Inc.)

Altitude: 2,000 feet **Date drilled:** 10-23-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Loam	3	3	Sand, clayey, blue	90	210
Sand	47	50	Sand, fine to coarse; gravel streaks; lignite chips	50	260
Clay, blue	70	120			

152-092-18DABB
(Log modified from C.A. Simpson & Son)

Altitude: 1,910 feet **Date drilled:** 09-05-78

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, yellow	34	34	Sand, fine to coarse, with lignite and scoria	21	157
Clay, gray	52	86	Sand, fine to medium	10	167
Clay, sandy, gray	24	110	Sand, fine to coarse	5	172
Sand	10	120	Sand, fine to medium	4	176
Sand, fine to medium, clayey, gray	6	126	Sand, fine to medium, clayey, gray	6	182
Sand, fine to coarse, with gravel; lignite and scoria	10	136			

152-092-19AAA4
(Log modified from LTP Enterprises, Inc.)

Altitude: 1,895 feet **Date drilled:** 12-03-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil, black	2	2	Gravel (25+ slot)	5	168
Clay, sandy, brown	38	40	Gravel (35+ slot)	10	178
Clay, blue	73	113	Rock	2	180
Clay, sandy, blue	25	138	Clay, sandy, blue	4	184
Sand, clayey, blue	10	148	Sand, fine, blue (10-12 slot)	9	193
Sand, fine, blue, with lignite (8-10 slot)	10	158	Sand, clayey, blue	9	202
Sand and gravel, with lignite (18-25 slot)	5	163	Clay, blue	1	203

Table 3. Drillers' logs of wells and test holes--Continued

152-092-19ABBD
(Log modified from Dennis Water Well Drilling)

Altitude: 1,870 feet **Date drilled:** 04-29-88

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Rock, pink-speckled	3	70
Clay, yellow	19	20	Gravel, clayey	3	73
Clay, light-brown	5	25	Rock	4	77
Clay, yellow	30	55	Clay, blue	5	82
Sand and silty gravel	10	65	Sand and medium to coarse gravel	11	93
Shale, gray	1	66	Clay, blue	5	98
Gravel	1	67			

152-092-21ADAA
(Log modified from Sax Well Drilling)

Altitude: 1,895 feet **Date drilled:** 04-25-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Sand, gravel, and clay	3	76
Gravel	1	2	Clay, with gravel streaks	19	95
Clay and silt	8	10	Gravel and clay	31	126
Clay, pebbly	54	64	Sand; gravel, with lignite particles	9	135
Gravel, clayey	1	65	Clay and gravel	10	145
Clay	8	73			

152-092-22ADCD
(Log modified from S and L Drilling, Inc.)

Altitude: 1,875 feet **Date drilled:** 06-20-83

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, gray; pebbles	31	31	Limestone	3	66
Clay, blue	32	63	Sand and gravel	34	100

152-093-01CCDA
(Log modified from Dennis Water Well Drilling)

Altitude: 1,855 feet **Date drilled:** 07-31-87

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, brown	5	80
Sand, coarse	39	40	Sand, brown	21	101
Sand, brown	35	75	Sand, fine to coarse, gray	64	165

152-093-01CCDC
(Log modified from Dennis Water Well Drilling)

Altitude: 1,855 feet **Date drilled:** 05-27-89

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Sand, medium, brown	100	201
Sand, brown	48	50	Clay, brown	5	206
Clay, sandy, brown	51	101			

152-093-13CACA
(Log modified from Sax Well Drilling)

Altitude: 1,870 feet **Date drilled:** 00-00-00

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, yellow	11	11	Clay, gray	15	52
Rock	2	13	Lignite	1	53
Clay, black; lignite	2	15	Clay	3	56
Clay, gray	9	24	Lignite	1	57
Sand, fine	1	25	Shale, gray	2	59
Lignite	2	27	Shale and lignite	6	65
Clay, gray	8	35	Clay	5	70
Rock, white	2	37	Clay, sandy; sandstone	10	80

152-093-18DCB
(Log from Dingman and Gordon, 1954)

Altitude: Not available **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay and gravel	11	11	Sand, medium to coarse, gray	56	221
Sand, medium to coarse, brown	154	165	Clay and sand	4	225

Table 3. Drillers' logs of wells and test holes--Continued

152-093-20BAA
(Log from Dingman and Gordon, 1954)

Altitude: 1,975 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	18	18	(No sample)	13	118
Sand	7	25	Sand	5	123
Clay	5	30	Sandstone	4	127
(No sample)	15	45	Sand	13	140
Sand, coarse	12	57	Lignite	5	145
Clay	43	100	(No sample)	110	255
Lignite	5	105			

152-093-20BAC
(Log from Dingman and Gordon, 1954)

Altitude: 1,933.46 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, gravel, and clay	10	10	Clay, gray, and limestone	7	282
Clay, silty and sandy, brown, with pebbles	18	28	Clay, silty, gray, and lignite	1	283
(No sample)	34	62	Clay, gray	13	296
Clay, silty and sandy, carbonaceous, brown	1	63	Lignite	2	298
(No sample)	12	75	Lignite and clay	7	305
Sand	60	135	Clay, gray	25	330
(No sample)	40	175	Clay, silty, gray	28	358
Sand(?) and gray clay(?) (no sample)	15	190	Lignite and clay	7	365
Sand	20	210	Lignite	7	372
Lignite and clay	15	225	Clay, gray, and lignite	8	380
Clay, silty, gray	3.5	228.5	Clay, silty, dense, gray	10	390
Lignite and clay	2	230.5	Lignite and clay	7	397
Clay, gray	22	252.5	Sand and clay	13	410
Lignite	2.5	255	Clay, silty and sandy, dense, gray	56	466
Lignite and gray clay	11	266	Lignite	16	482
Clay, silty, dense, gray	9	275	Lignite and clay	3	485
			Lignite	10	495
			Lignite and clay	15	510

152-093-24AADA
(Log modified from Crowder Well Drilling)

Altitude: 1,950 feet **Date drilled:** 06-23-80

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Sand, brown	15	15	Lignite	2	81
Sand, blue	13	28	Shale, gray	9	90
Clay, brown	9	37	Lignite	1	91
Lignite	6	43	Shale, gray	21	112
Shale, gray	36	79			

Table 3. Drillers' logs of wells and test holes--Continued

152-093-34DAA2
(Log modified from Crowder-Dennis Drilling)

Altitude: 2,050 feet **Date drilled:** 06-03-82

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	1	1	Clay, blue	59	110
Clay, yellow	14	15	Gravel, coarse	1	111
Sand, fine, yellow	5	20	Clay, blue	3	114
Clay, blue	30	50	Gravel, coarse; blue sand	2	116
Hardpan, brown	1	51	Clay, blue	64	180

152-094-11DAC
(Log from Dingman and Gordon, 1954)

Altitude: 1,980 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	2	2	Lignite	2	107
Silt	8	10	Sand, brown and gray	11	118
Gravel	2	12	Sand, fine, gray	17	135
Clay, sandy and silty, brown and gray, with pebbles	30	42	Lignite	13	148
Silt, gray, with pebbles	44	86	Clay, gray	6	154
Lignite	1	87	Clay, sandy, gray	16	170
Sand, silty	18	105	Clay, sandy, gray	20	190

152-094-16CCA
(Log from Dingman and Gordon, 1954)

Altitude: 2,145.6 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, brown; sand and pebbles	5	5	Clay, silty, gray	25	125
Clay, silty, brown, and pebbles	10	15	Clay, gray	2.5	127.5
Clay, gray to brown	5	20	Lignite	2.5	130
Clay, carbonaceous, gray	4	24	Clay, gray	5	135
Clay, gray to brown	3	27	Sand	10	145
Clay, silty, tan	5	32	Clay, gray, and sand	5	150
Clay, carbonaceous, gray	13	45	Sand	5	155
Clay, silty, gray	35	80	Silt	3	158
Clay, silty, carbonaceous, gray	10	90	Lignite	11	169
Clay, gray	5	95	Clay, gray and tan	11	180
Sand	5	100			

152-094-25CCC
(Log from Dingman and Gordon, 1954)

Altitude: 2,076 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil	7	7	Clay, sandy	12	162
Sand and gravel	8	15	Lignite	8	170
Sand	22	37	Sandstone	1	171
Lignite	5	42	Clay	29	200
Sand	20	62	Clay, silty	15	215
Clay	88	150	(No sample	15	230

152-094-25DAA
(Log from Dingman and Gordon, 1954)

Altitude: 2,014.02 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, gray	5	5	Sand	7	217
Gravel and clay	15	20	Clay, gray, and silt	1	218
Clay, silty, brown	14	34	Sand	7	225
Sand and gravel	16	50	Sand and gray clay	3.5	228.5
Sand	10	60	Lignite	7.5	236
Clay, silty, brown	72	132	Sand	4	240
Clay, silty, gray	58	190	Clay, sandy, gray, and sand	5	245
Lignite	2.5	192.5	Lignite and gray clay	10	255
Clay, silty and sandy, dense, gray	17.5	210			

152-094-32BBB
(Log from Dingman and Gordon, 1954)

Altitude: 2,185.9 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, brown, with pebbles	10	10	Lignite	5	143
Clay, silty, gray and brown	33	43	Lignite and clay	2	145
Lignite	7	50	Clay, gray	5	150
Clay, silty, dense, gray	35	85	Clay, slightly silty, gray	10	160
Sand	18	103	Clay, silty, gray	5	165
Lignite	7	110	Sand	51	216
Clay, gray, and lignite	5	115	Lignite	8	224
Clay, silty, dense, gray	23	138	Clay, gray	1	225

152-094-33BBB
(Log from Dingman and Gordon, 1954)

Altitude: 2,188 feet **Date drilled:** 1951

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Topsoil and gravel	10	10	Clay, sandy	23	128
Clay and gravel	18	28	(No sample)	147	275
(No sample)	77	105			

152-094-35DCA
(Log from Dingman and Gordon, 1954)

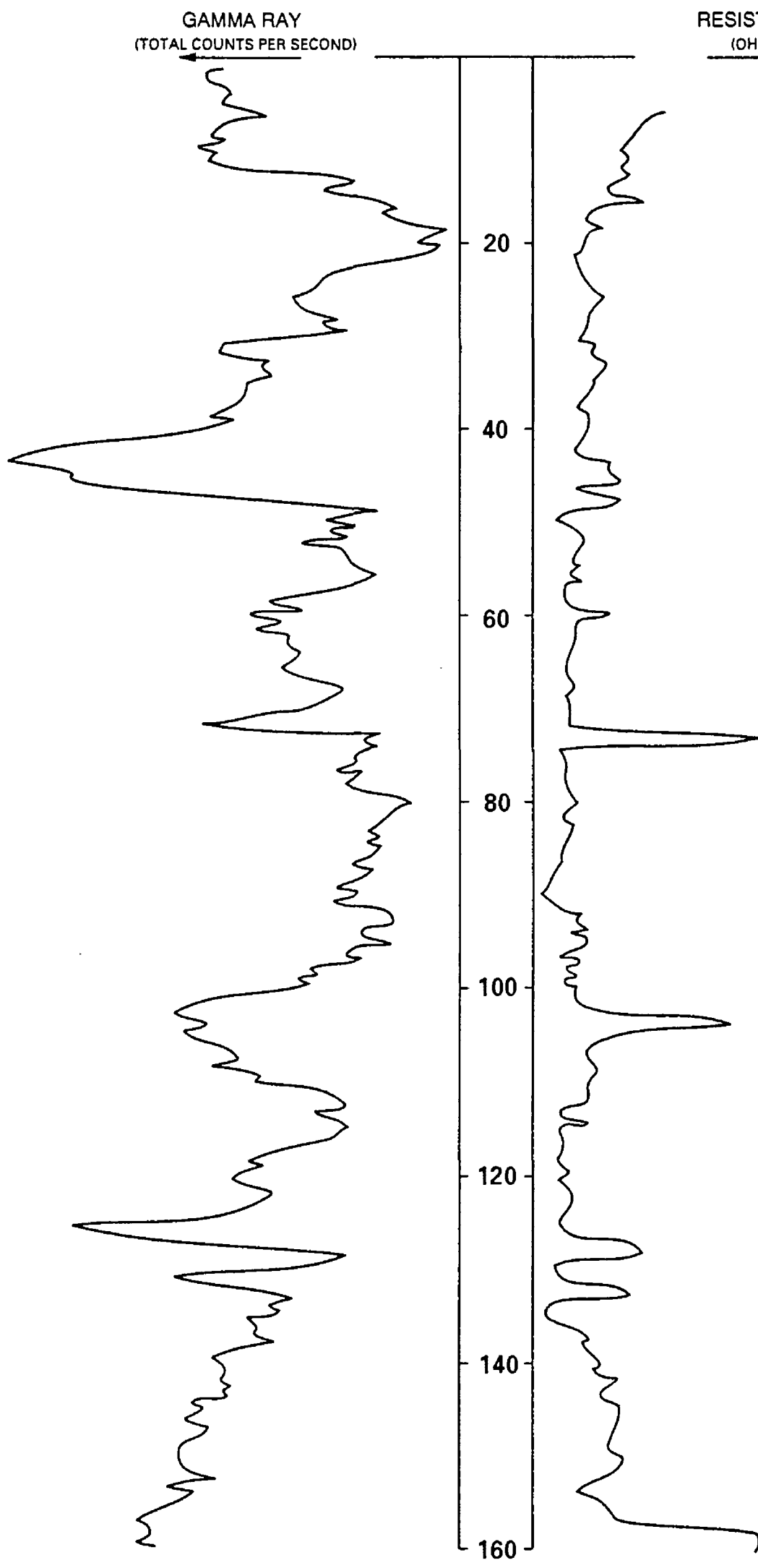
Altitude: 2,116.02 feet **Date drilled:** 1950

Material	Thickness (feet)	Depth (feet)	Material	Thickness (feet)	Depth (feet)
Clay, silty, gray	28	28	Sand	12.5	127.5
Clay, gray	3	31	Lignite and clay	.5	128
Clay, silty, tan, and lignite	1	32	Sand and clay	12	140
Clay, carbonaceous, gray and brown	3	35	Clay, gray	5	145
Clay, silty, gray	10	45	Clay, sandy, dense, brown	5	150
Clay, gray and tan	21	66	Sand	13	163
Clay and lignite	2.5	68.5	Sand and carbonaceous clay	12	175
Clay, silty, gray	6.5	75	Clay, silty and sandy, gray	5	180
Clay, silty, gray and brown	23	98	Sand and clay	6	186
Lignite and brown silty clay	.5	98.5	Lignite	4	190
Clay, silty and sandy, gray, tan, and brown	16.5	115	Clay, sandy, gray	5	195
			Clay, silty, gray	15	210

Table 4. U.S. Geological Survey geophysical and lithologic logs

LOCATION: 146-089-10CBD
ALTITUDE: 1,880
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-25-92
DEPTH: 250
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-14 Clay, silty, blackish-gray.
14-15 Gravel, fine to coarse.

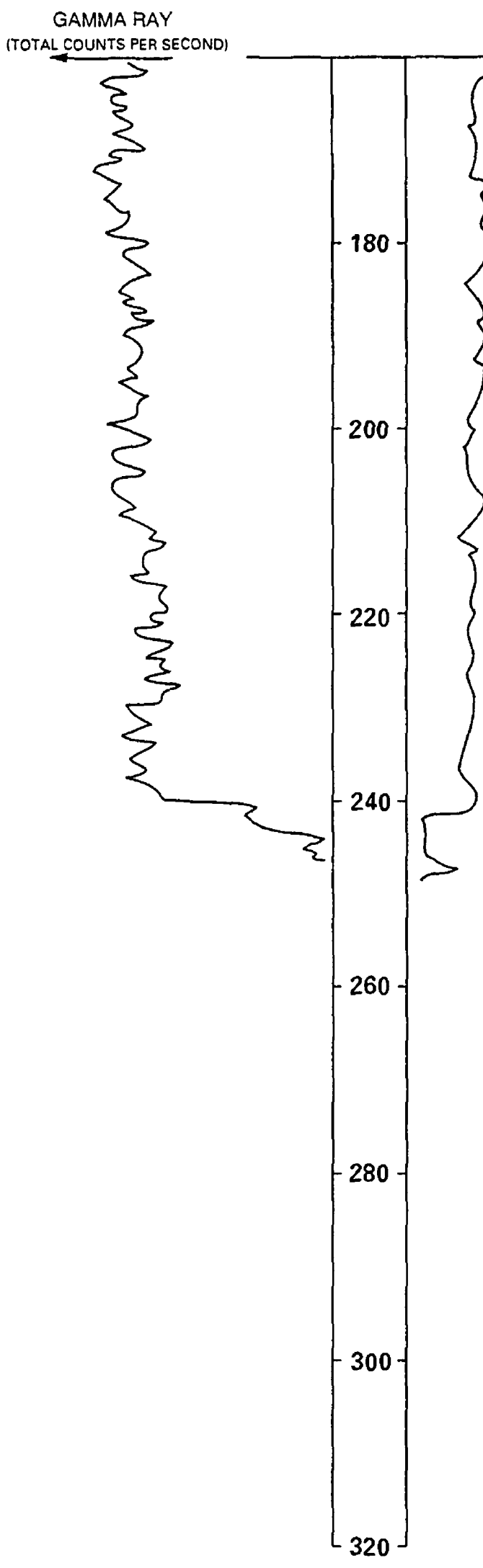
Sentinel Butte Member of Fort Union Formation

15-16 Claystone, silty, medium-gray.
16-17 Lignite.
17-31 Claystone, silty, greenish-gray.
31-35 Claystone, silty, medium-gray.
35-44 Sandstone, fine, bluish-gray; about 20 pecent clay.
44-50.5 Lignite.
50.5-73 Claystone, silty, medium-gray.
73-75 Sandstone.
75-104 Claystone, silty, medium-gray.
104-105 Sandstone.
105-113 Sandstone, fine, bluish-gray; about 15 percent clay.
113-129 Clay, silty, medium-gray.
129-131 Lignite.
131-133 Claystone, silty, medium-gray.
133-134 Lignite.
134-158 Sandstone, fine, bluish-gray; about 10 percent clay.
158-163 Sandstone.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 146-089-10CBD
ALTITUDE: 1,880
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-25-92
DEPTH: 250
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

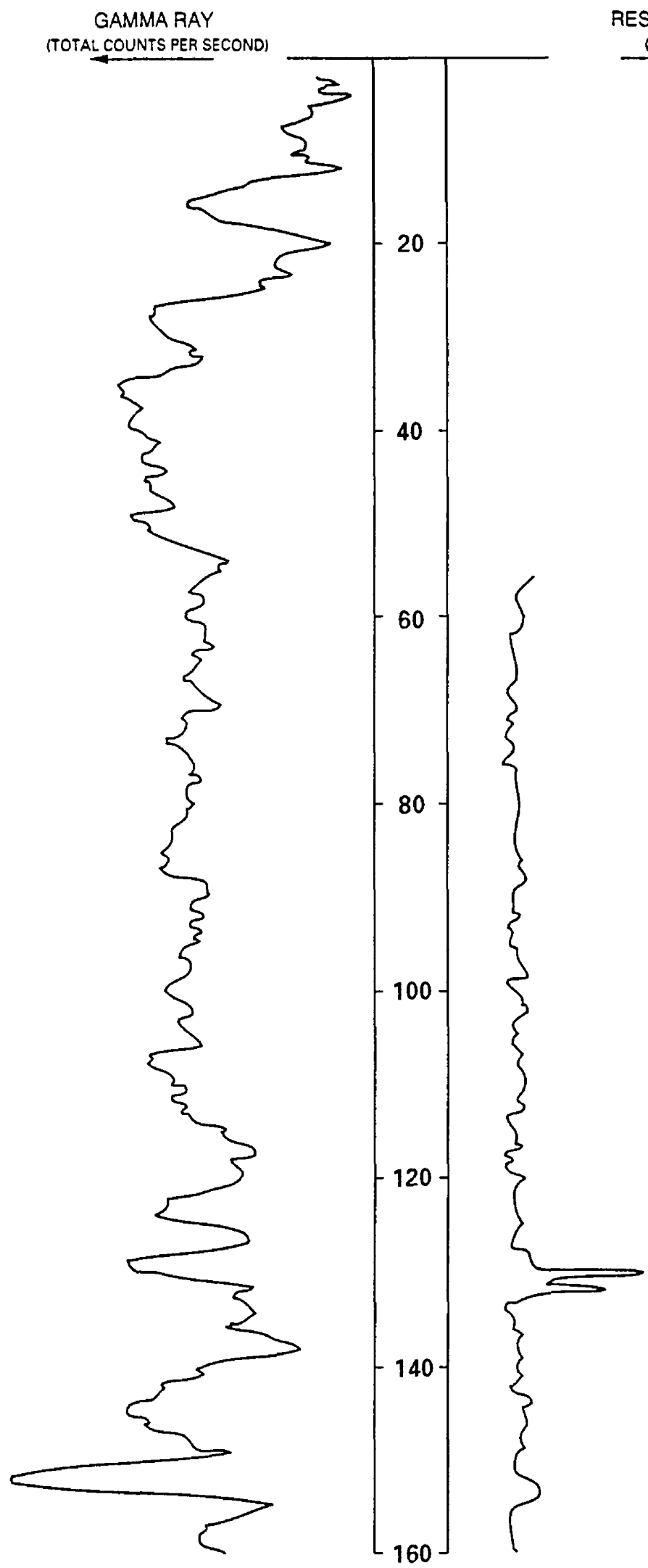
163-247 Sandstone, fine, bluish-gray; about 10 percent clay.

247-250 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 147-091-15CCD
ALTITUDE: 2,310
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-24-92
DEPTH: 272
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Sentinel Butte Member of Fort Union Formation

1-32 Claystone, silty, yellowish-brown.

32-51 Sandstone, fine, yellowish-brown; about 15 percent clay.

51-121 Claystone, silty, greenish-gray.

121-129 Sandstone, fine, bluish-gray; about 20 percent clay.

129-132 Sandstone, hard.

132-143 Claystone, silty, greenish-gray.

143-156 Sandstone, fine, bluish-gray; about 10 percent clay.

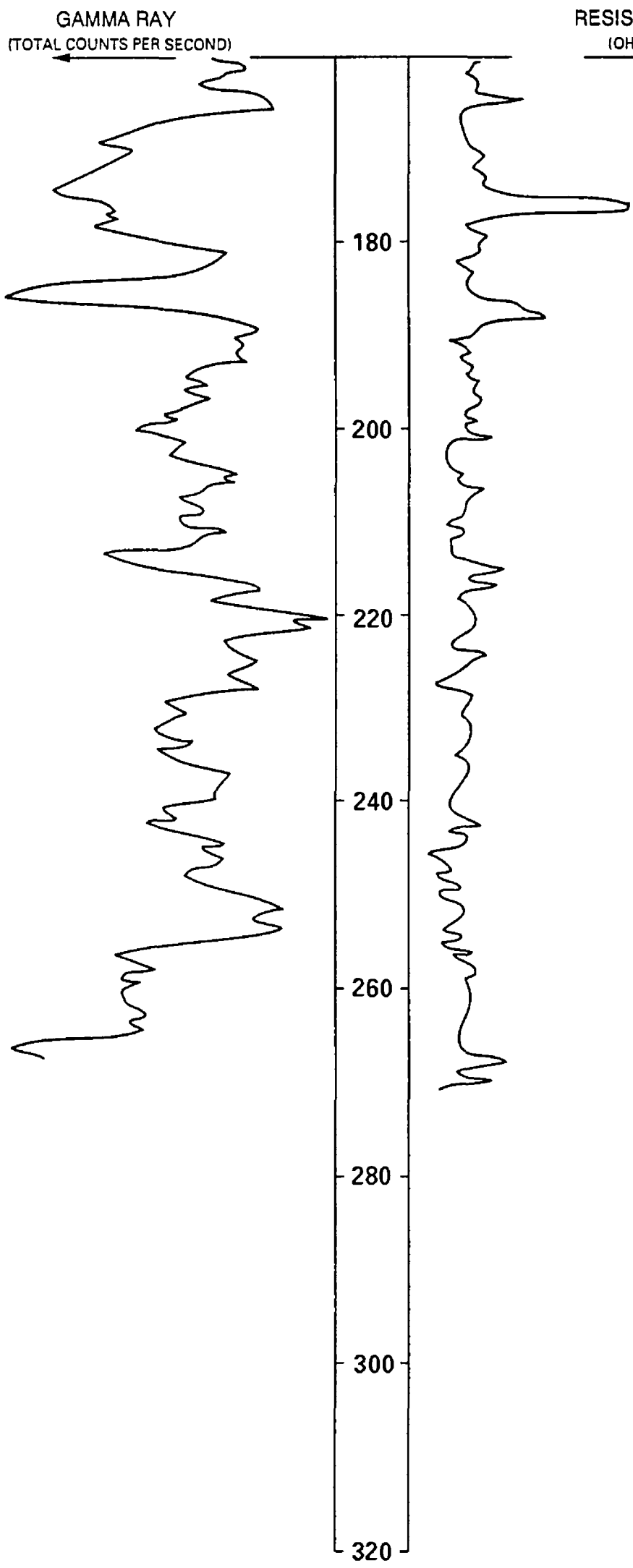
156-158 Lignite, soft.

158-168 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 147-091-15CCD
ALTITUDE: 2,310
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-24-92
DEPTH: 272
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

168-175 Sandstone, fine, bluish-gray; about 15 percent clay.
175-176 Sandstone.
176-185 Sandstone, fine, bluish-gray; about 15 percent clay.
185-210 Claystone, silty, medium-gray.

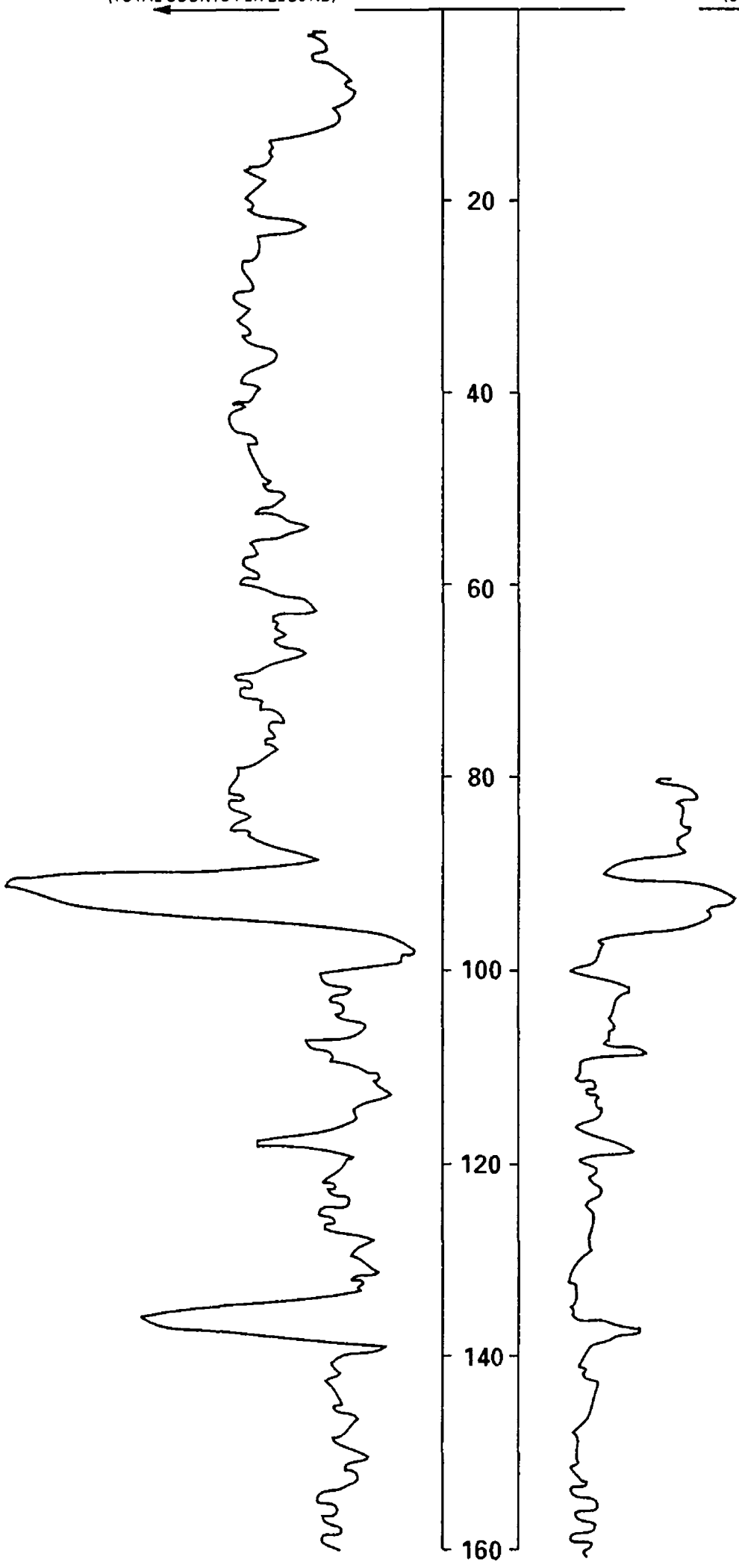
210-215 Lignite, brownish-gray.
215-267 Claystone, silty, medium-gray.

267-269 Lignite.
269-272 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 147-092-21DDB
ALTITUDE: 2,285
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-24-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Sentinel Butte Member of Fort Union Formation

1-17 Claystone, sandy, silty, yellowish-brown.
17-20 Sandstone, fine, bluish-gray to yellowish-gray.
20-72 Sandstone, fine, yellowish-brown; about 10 percent clay.
72-73 Sandstone.
73-84 Claystone, sandy, silty, yellowish-brown; about 40 percent sand.
84-87 Sandstone, fine, bluish-gray; about 30 percent clay.
87-88 Lignite.
88-90 Claystone, silty, brownish-gray.
90-95 Lignite.
95-117 Claystone, silty, medium-gray.
117-118 Lignite.
118-136 Claystone, silty, medium-gray.
136-138 Lignite.
138-178 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 147-092-21DDB
ALTITUDE: 2,285
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-24-92
DEPTH: 300
(FEET)

DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

178-182 Lignite.

182-212 Claystone, silty, medium-gray.

212-214 Lignite.
214-217 Claystone, silty, medium-gray.
217-219 Lignite.

219-253 Claystone, silty, medium-gray.

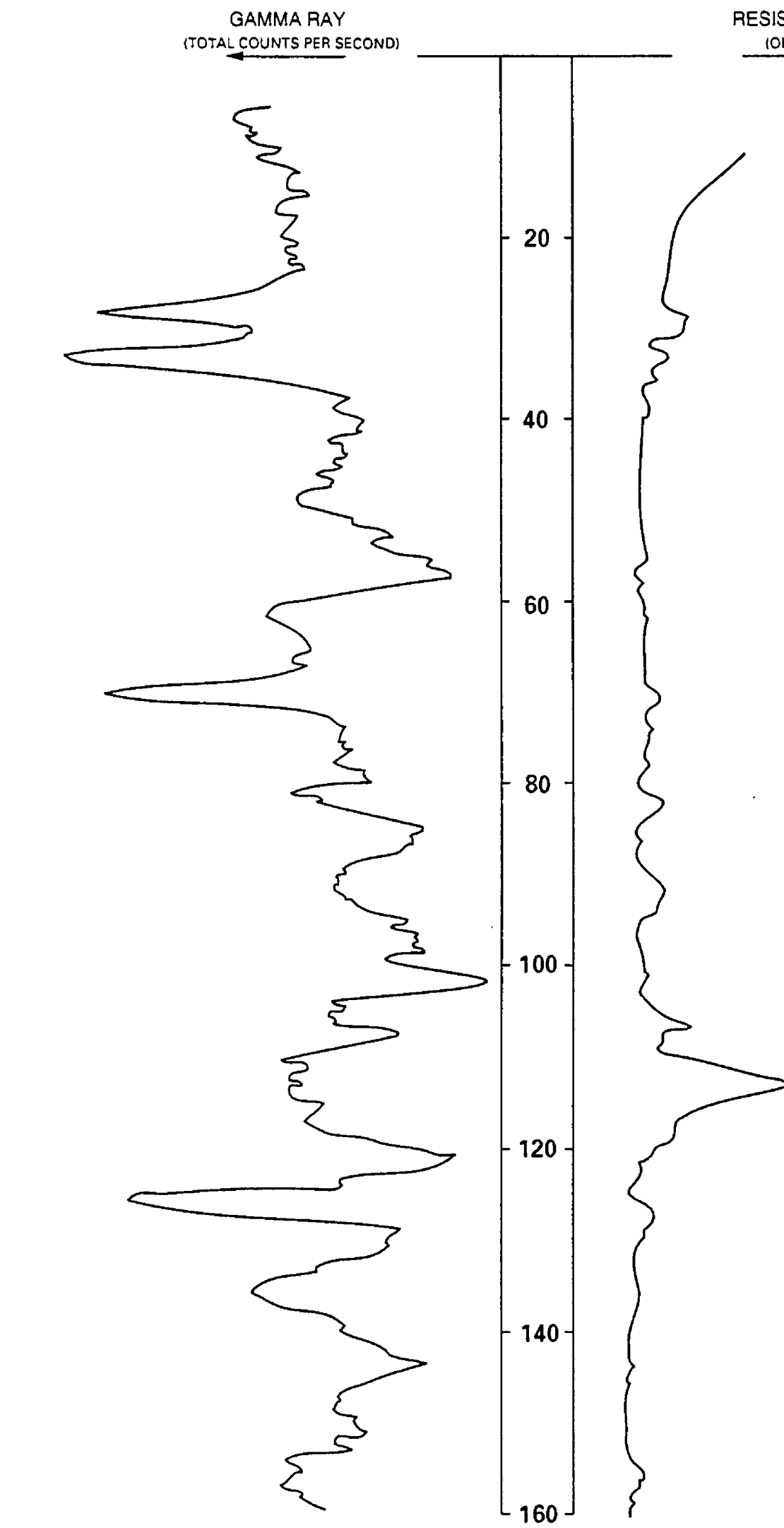
253-255 Lignite.
255-292 Claystone, silty, medium-gray.

292-294 Lignite.
294-300 Claystone, silty, greenish-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 147-094-01DAA
ALTITUDE: 2,236
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-23-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-27 Clay, silty, yellowish-brown; till.

Sentinel Butte Member of Fort Union Formation

27-28 Lignite, soft.

28-54 Claystone, silty, yellowish-brown.

54-69 Claystone, silty, medium-gray.

69-71 Lignite.

71-85 Claystone, silty, greenish-gray.

85-86 Lignite.

86-126 Claystone, silty, medium-gray.

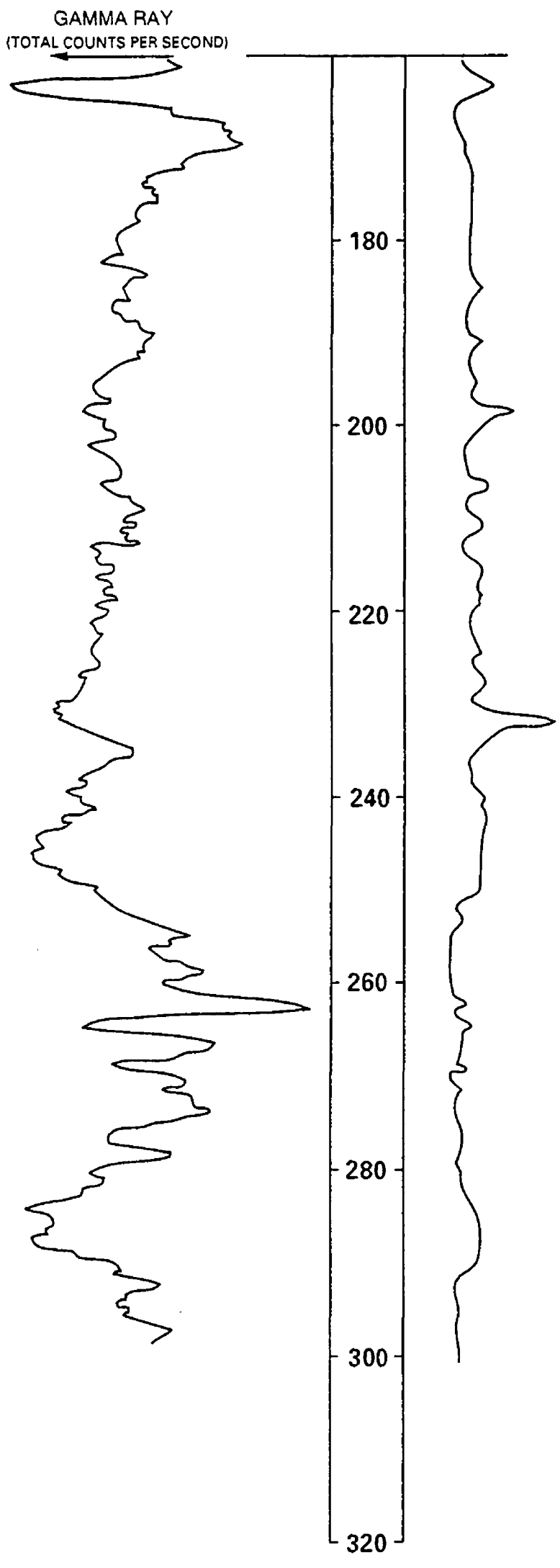
126-128 Lignite.

128-196 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 147-094-01DAA
ALTITUDE: 2,236
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-23-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

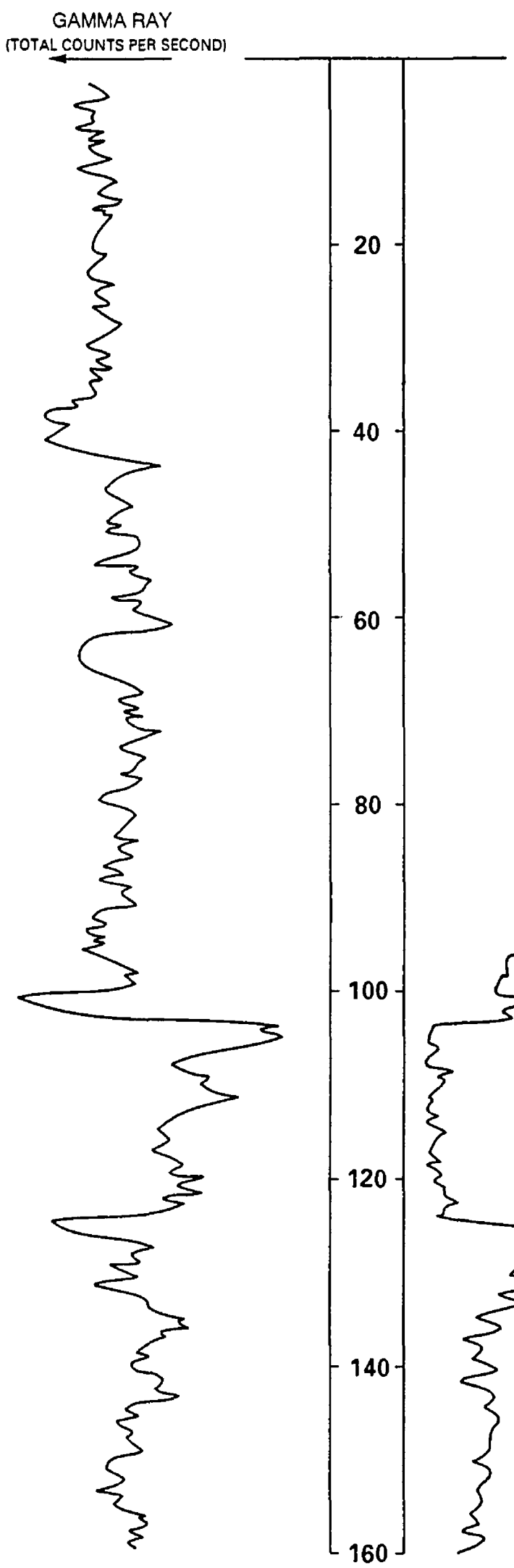
Sentinel Butte Member of Fort Union Formation, Continued

196-197.5 Sandstone.
197.5-205 Claystone, silty, medium-gray.
205-215 Claystone, sandy, bluish-gray.
215-230 Claystone, silty, medium-gray.
230-232 Sandstone.
232-241 Claystone, silty, medium-gray.
241-251 Sandstone, fine, bluish-gray; about 30 percent clay.
251-264 Claystone, silty, greenish-gray.
264-265 Lignite.
265-300 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 148-092-23ABB
ALTITUDE: 2,010
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-12-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Sentinel Butte Member of Fort Union Formation

1-29 Sandstone, fine, yellowish-brown.

29-38 Claystone, sandy, silty, yellowish-brown.

38-45 Sandstone.

45-80 Sandstone, fine, yellowish-brown; about 10 percent clay.

80-103 Sandstone, fine, yellowish-brown; about 25 percent clay.

103-105 Lignite.

105-126 Claystone, silty, medium-gray.

126-128 Sandstone.

128-132 Claystone, silty, medium-gray.

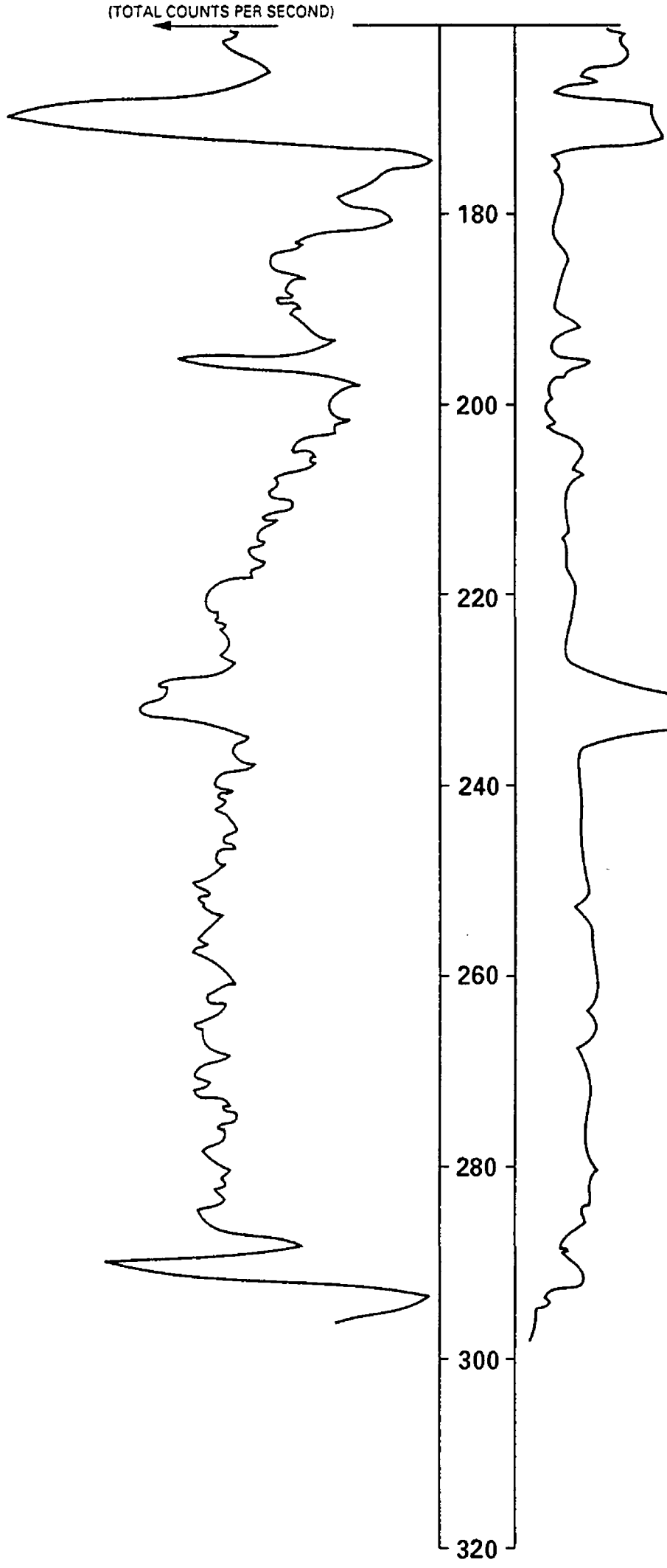
132-134 Sandstone.

134-169 Sandstone, fine, bluish-gray; about 20 percent clay.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 148-092-23ABB
ALTITUDE: 2,010
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-12-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

169-173 Lignite.
173-175 Claystone, silty, brownish-gray.
175-191 Claystone, silty, medium-gray.

191-195 Sandstone, fine, bluish-gray.
195-198 Lignite.
198-211 Claystone, silty, brownish-gray.

211-230 Claystone, sandy, silty, bluish-gray; about 40 percent sand.

230-235 Sandstone, hard.

235-291 Sandstone, fine, bluish-gray; about 10 percent clay.

291-293 Lignite.
293-300 Claystone, silty, medium-gray.

Table 4. U.S. Ge

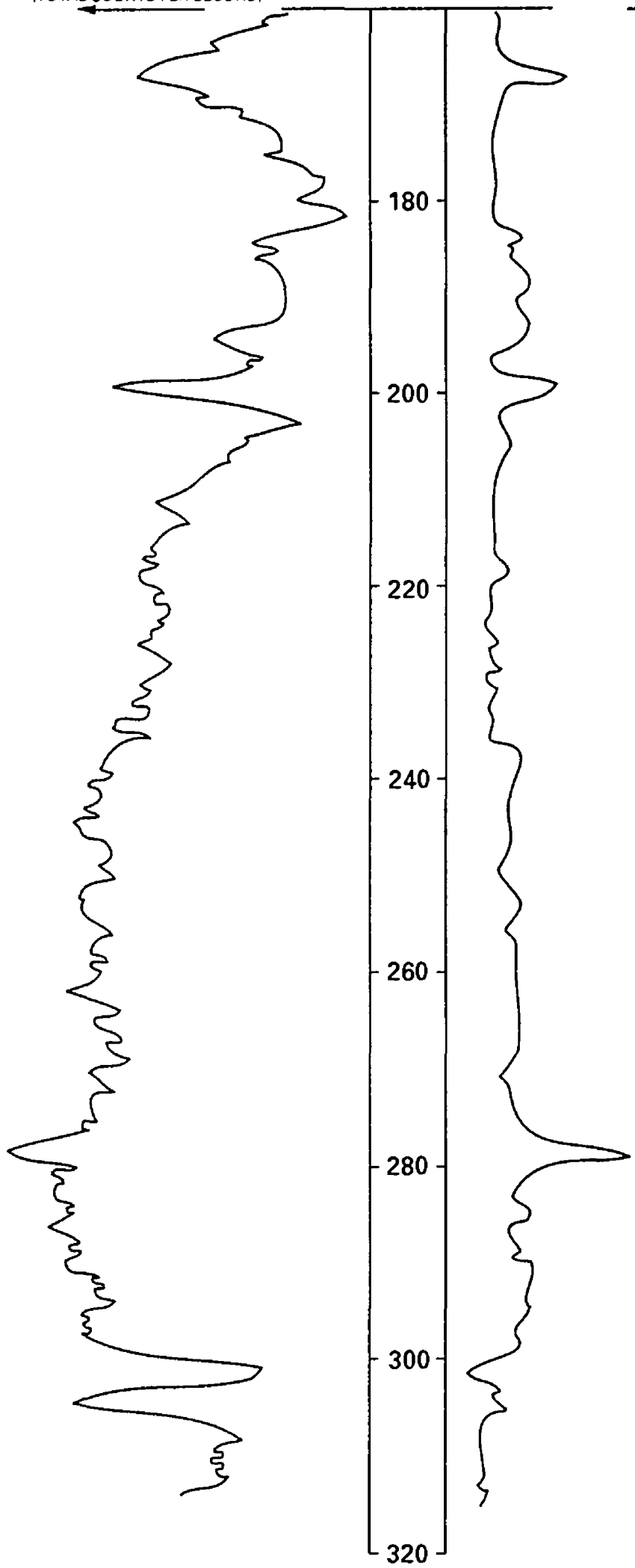
LOCATION: 148-094-14AAB
ALTITUDE: 2,250
(FEET ABOVE SEA LEVEL)

GAMMA RAY
(TOTAL COUNTS PER SECONI

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 148-094-14AAB
ALTITUDE: 2,250
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-23-92
DEPTH: 315
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

164-165 Sandstone.
165-242 Claystone, silty, medium-gray.

242-275 Sandstone, fine, bluish-gray; about 20 percent clay.

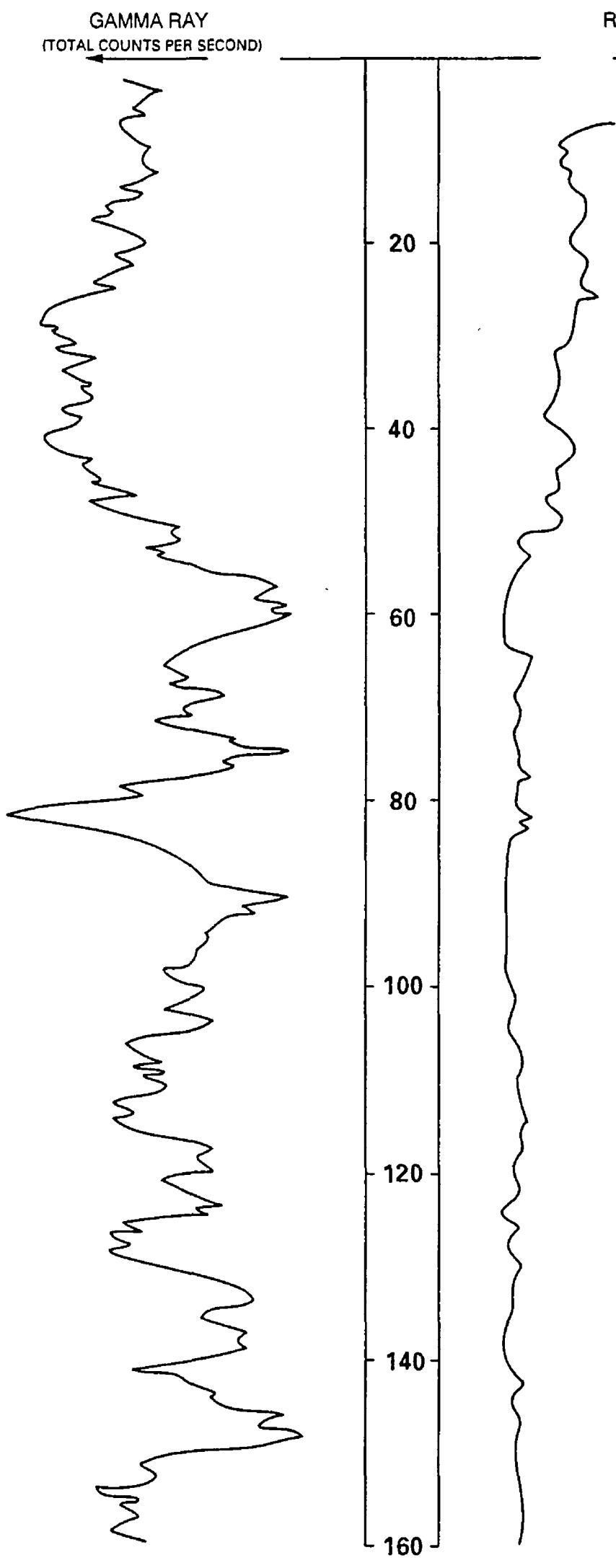
275-277 Sandstone, hard.
277-305 Sandstone, fine, bluish-gray; about 20 percent clay.

305-315 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 148-095-12DCC1
ALTITUDE: 2,450
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-23-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

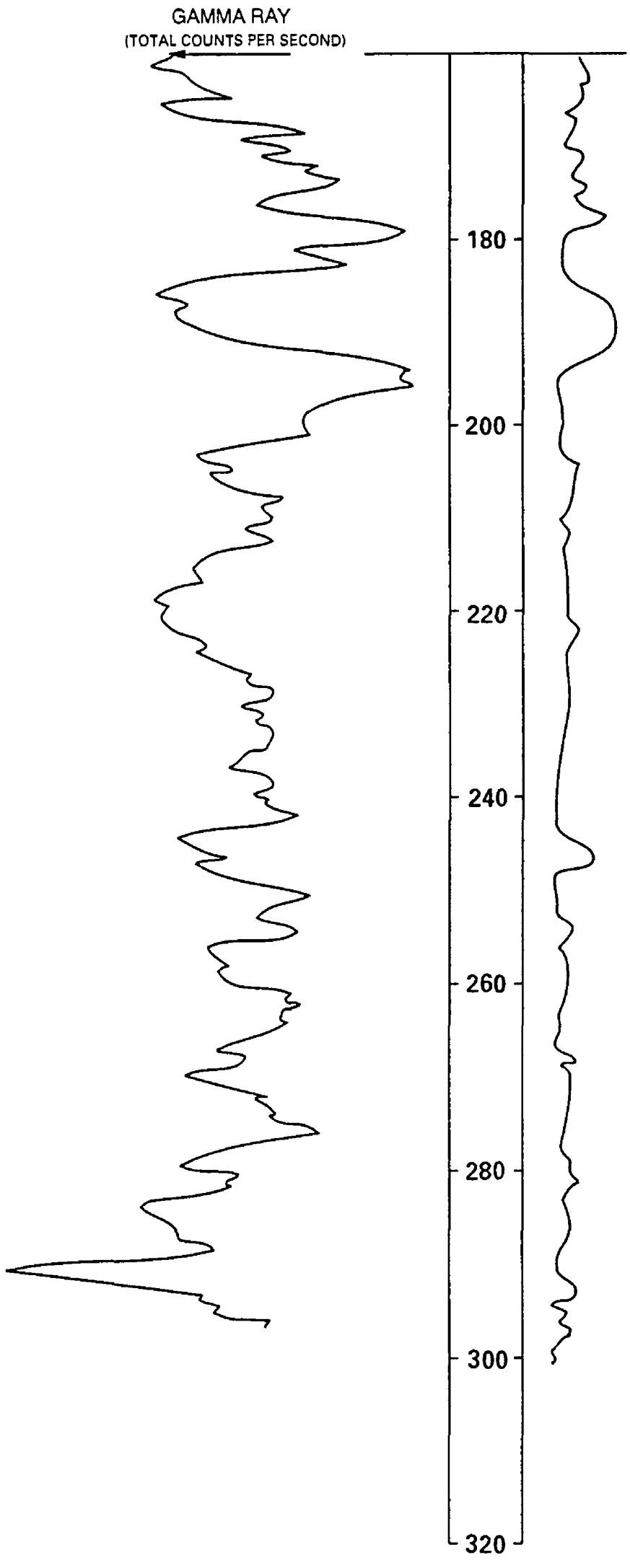
Sentinel Butte Member of Fort Union Formation

1-10 Claystone, silty, yellowish-brown.
10-32 Sandstone, fine, yellowish-brown; about 10 percent clay.
32-52 Sandstone, fine, bluish-gray; about 10 percent clay.
52-60 Claystone, silty, light-gray.
60-73 Claystone, silty, greenish-gray.
73-80 Claystone, silty, medium-gray.
80-84 Lignite.
84-111 Claystone, silty, medium-gray.
111-120 Sandstone, fine, bluish-gray; about 20 percent clay.
120-152 Claystone, silty, medium-gray.
152-167 Sandstone, fine, bluish-gray; about 20 percent clay.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 148-095-12DCC1
ALTITUDE: 2,450
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-23-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

167-169 Lignite.
169-180 Claystone, silty, medium-gray.
180-202 Claystone, silty, greenish-gray.

202-249 Claystone, silty, medium-gray.

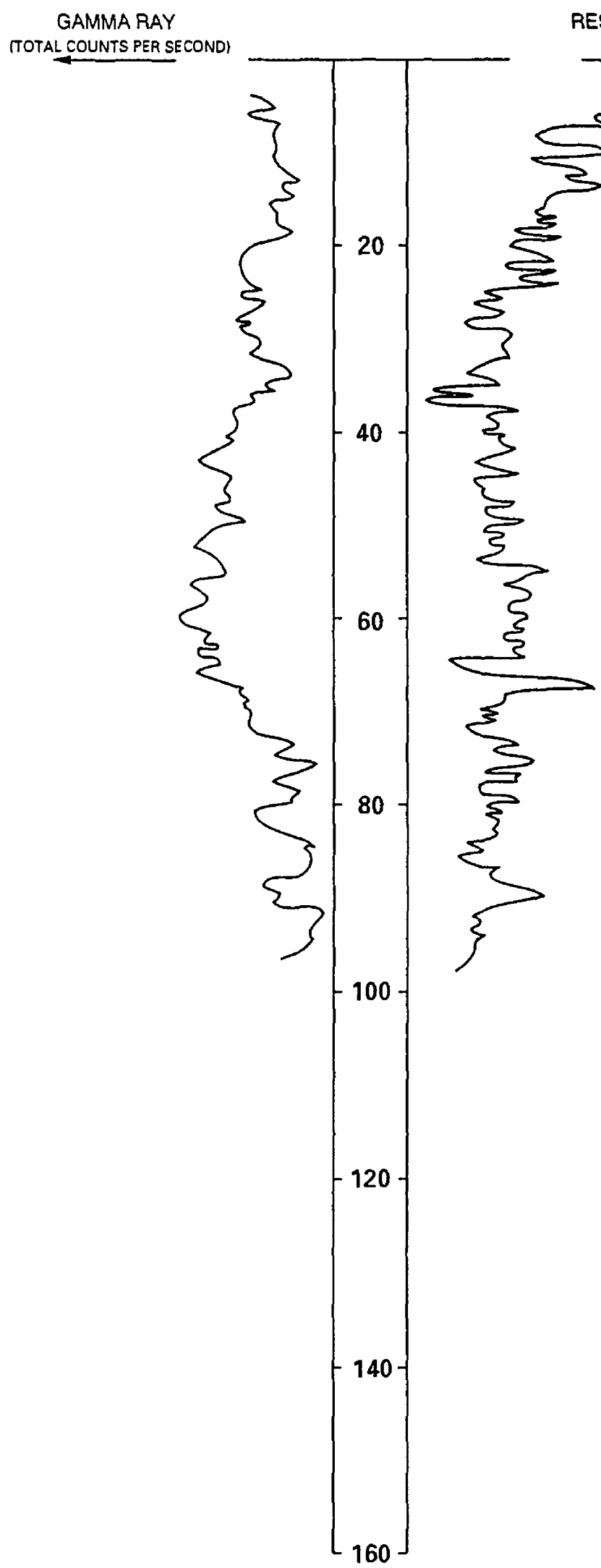
249-251 Claystone, silty, brownish- to blackish-gray.
251-292 Claystone, silty, medium-gray.

292-293.5 Lignite.
293.5-300 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-088-11CDC
ALTITUDE: 1,995
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-03-92
DEPTH: 100
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-12 Clay, silty, yellowish-brown; till.
12-20 Clay, silty, yellowish-brown.
20-25 Gravel, fine to coarse.

25-39 Clay, silty, yellowish-brown; till.
39-72 Sand, fine to coarse, yellowish-gray.

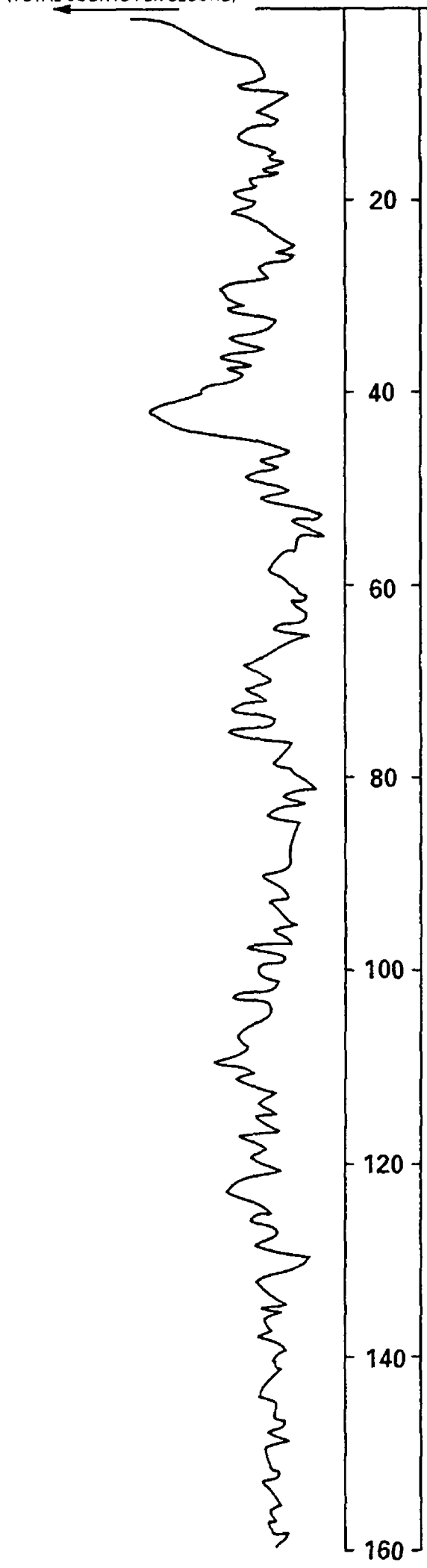
72-76 Clay, silty, yellowish-gray; till.
76-89 Clay, sandy, silty, yellowish-brown.

89-100 Clay, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-088-26BAB
ALTITUDE: 1,988
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-01-92
DEPTH: 390
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-28 Clay, silty, yellowish-brown; till.

28-42 Clay, silty, olive-gray; with a few rocks; till.

42-49 Sand, fine to coarse, yellowish-brown.
49-52 Clay, sandy, silty, yellowish-gray; till.
52-74 Clay, silty, yellowish-gray; till.

74-76 Gravel and rocks.
76-86 Clay, silty, yellowish-gray; till.

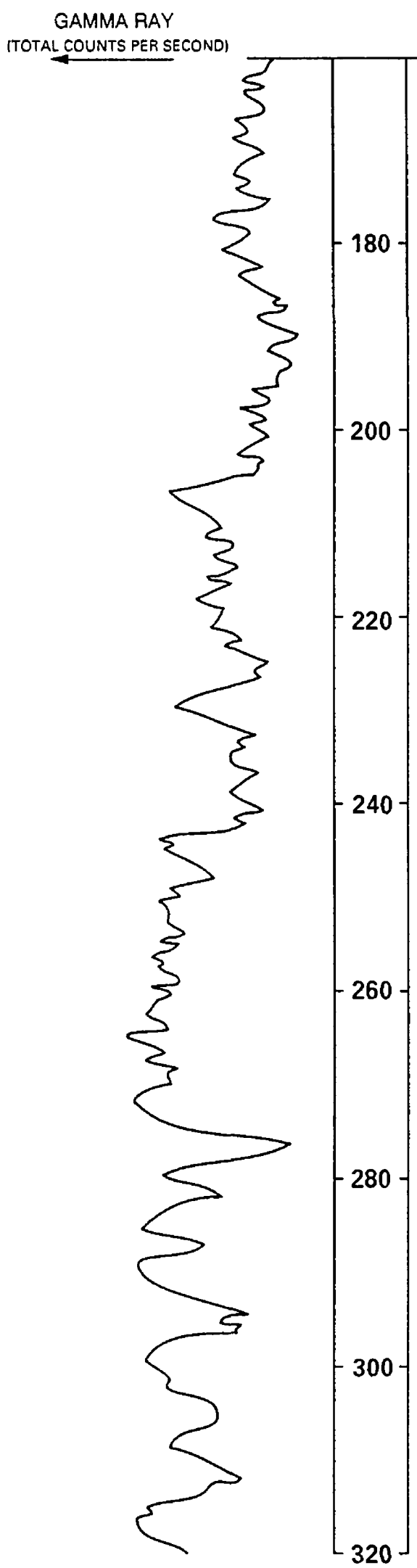
86-107 Clay, silty, olive-gray; till.

107-111 Gravel, fine to coarse.
111-197 Clay, silty, sandy, olive-gray; till.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-088-26BAB
ALTITUDE: 1,988
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-01-92
DEPTH: 390
(FEET)



DESCRIPTION OF DEPOSITS

Glacial Drift, Continued

197-207 Clay, silty, olive-gray; till.

207-209 Gravel, fine to coarse.

209-220 Clay, silty, olive-gray; till.

220-246 Sand, fine to medium, medium-gray.

246-300 Gravel, fine to coarse; about 30 percent sand.

300-309 Sand, fine to coarse, silty.

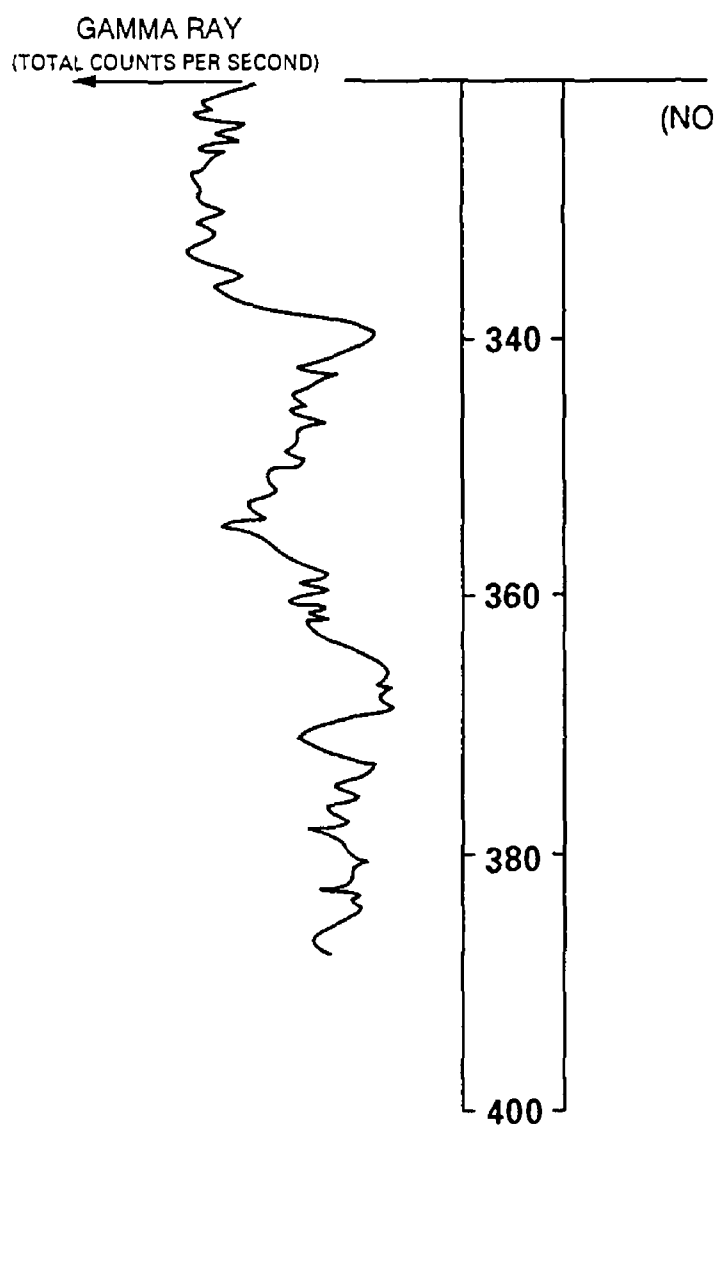
309-315 Gravel, fine to coarse; with clay layers.

315-321 Gravel, fine to coarse; about 20 percent sand.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-088-26BAB
ALTITUDE: 1,988
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-01-92
DEPTH: 390
(FEET)



DESCRIPTION OF DEPOSITS

Glacial Drift, Continued

321-335 Sand and gravel; with abundant clay.
335-342 Gravel, fine to coarse; with a few rocks.

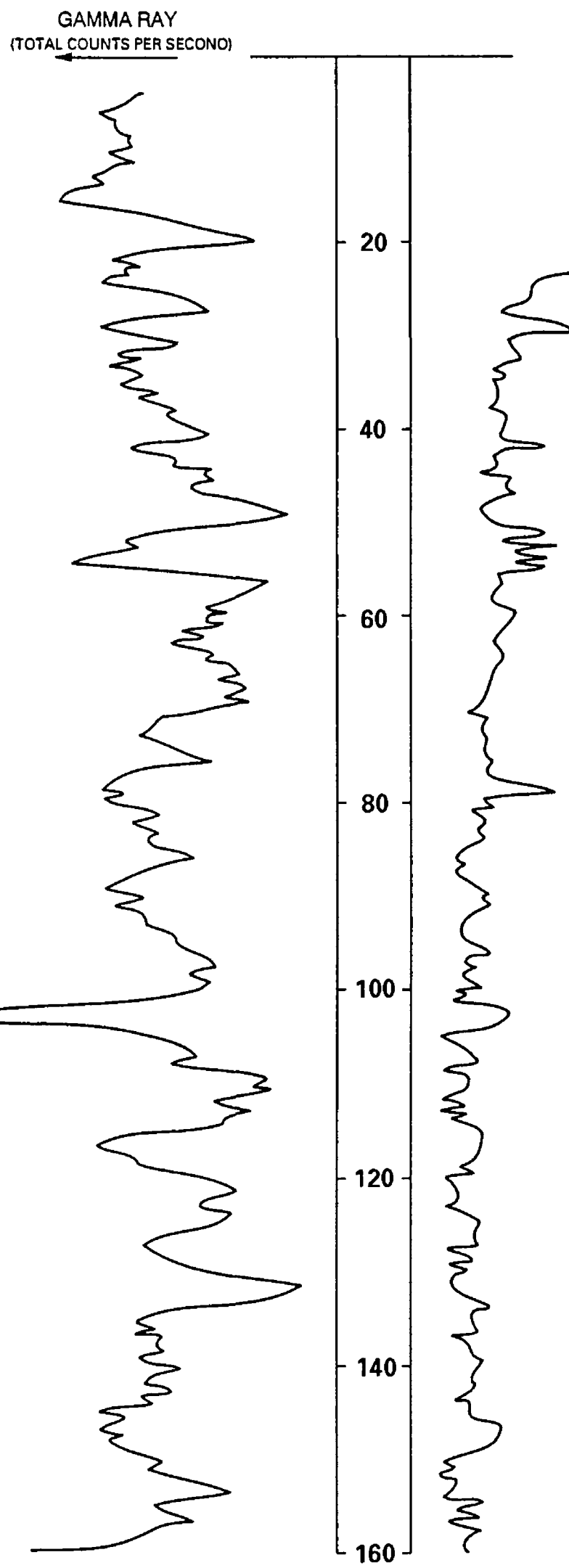
Tongue River Member of Fort Union Formation

342-390 Claystone, sandy, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-091-31BAA
ALTITUDE: 2,200
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-11-92
DEPTH: 305
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Sentinel Butte Member of Fort Union Formation

1-18 Sandstone, fine, yellowish-brown.
18-19 Lignite, soft.
19-30 Claystone, silty, medium-gray.

30-30.5 Lignite, soft.
30.5-52 Claystone, silty, medium-gray.

52-59 Lignite.

59-79 Claystone, silty, medium-gray.

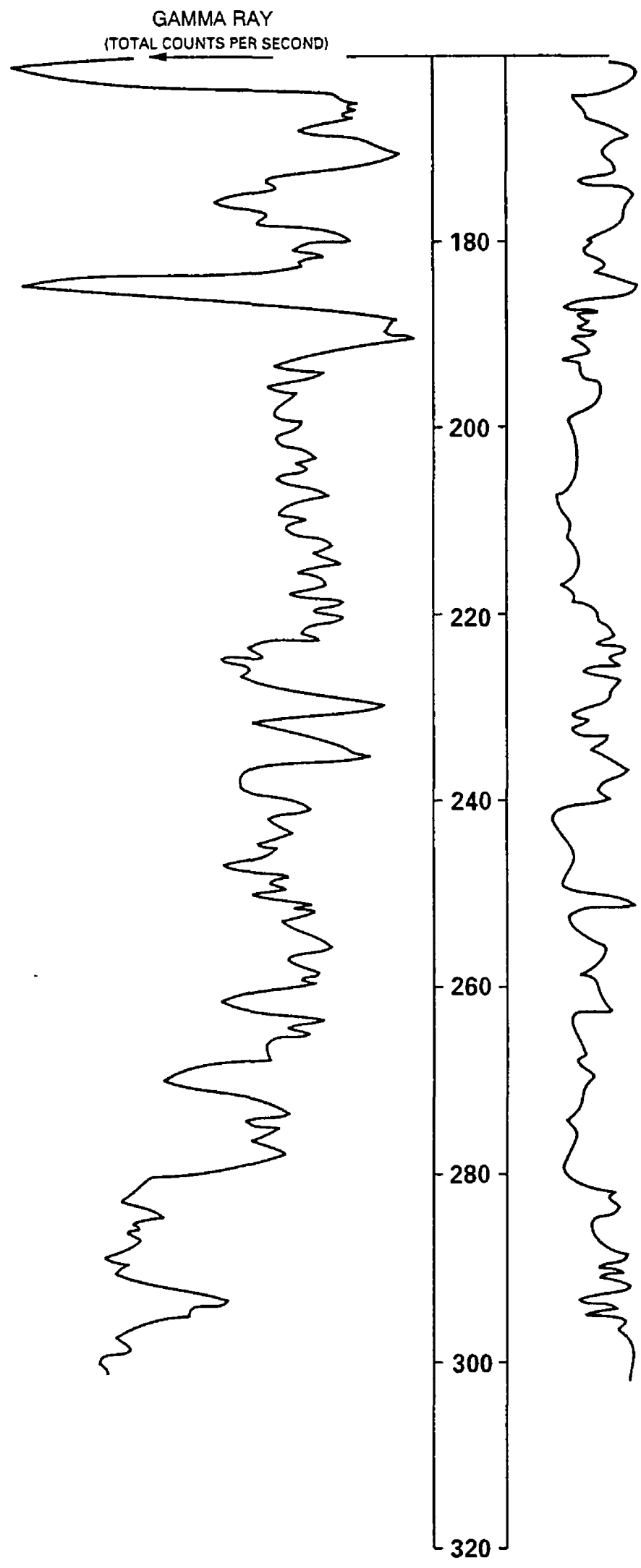
79-80 Sandstone, hard.
80-103 Claystone, silty, medium-gray.

103-106 Lignite.
106-160 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-091-31BAA
ALTITUDE: 2,200
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-11-92
DEPTH: 305
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

160-164 Lignite.
164-170 Claystone, silty, brownish-gray.
170-186 Claystone, silty, greenish-gray.

186-188 Lignite.
188-204 Claystone, silty, medium-gray.

204-231 Claystone, silty, greenish-gray.

231-258 Claystone, silty, light-gray.

258-263 Claystone, sandy, silty, bluish-gray.

263-285 Claystone, silty, medium-gray.

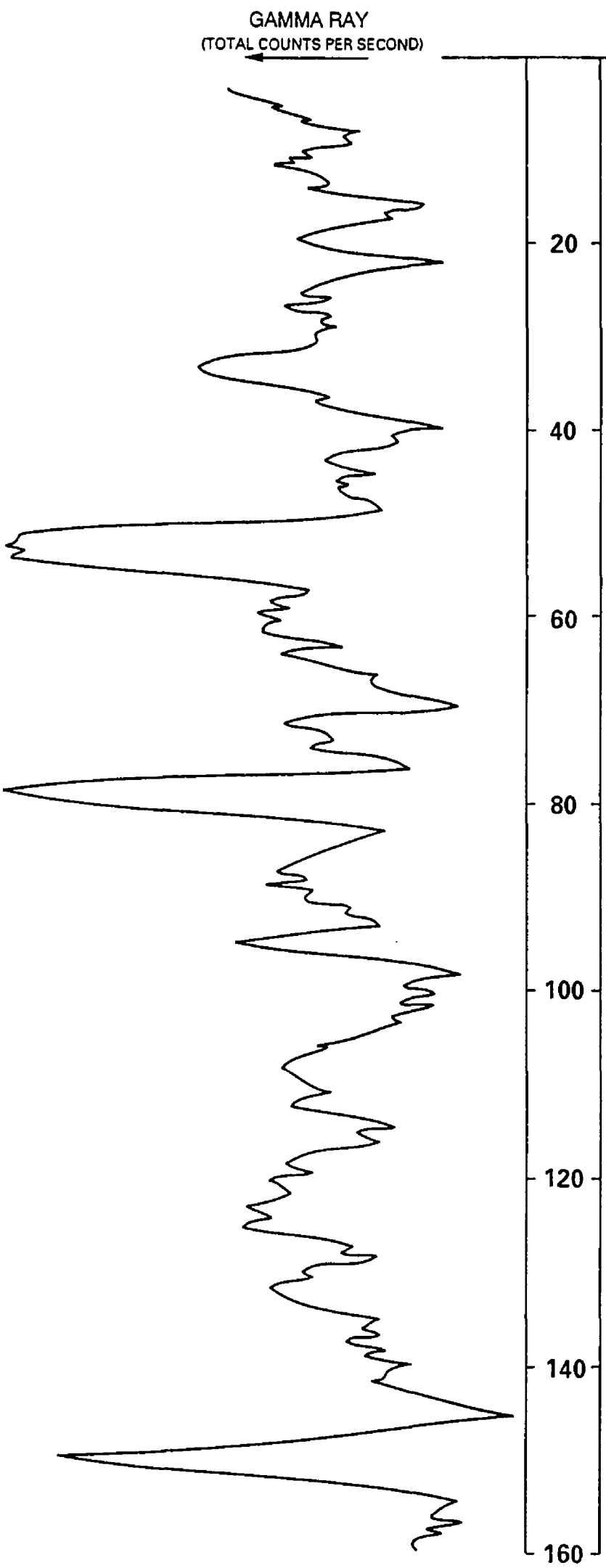
285-295 Sandstone, fine, bluish-gray; about 30 percent clay.

295-300 Claystone, silty, brownish-gray.
300-305 Limestone.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-093-12BBB
ALTITUDE: 2,286
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-11-92
DEPTH: 240
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Sentinel Butte Member of Fort Union Formation

1-6 Sandstone, fine, yellowish-brown.
6-18 Claystone, silty, yellowish-brown.
18-21 Lignite, soft.
21-24 Claystone, silty, brownish-gray.
24-51 Claystone, silty, medium-gray.

51-56 Lignite.
56-61 Claystone, silty, medium-gray.

61-75 Sandstone, fine, bluish-gray; about 30 percent clay.
75-77 Claystone, silty, brownish-gray.
77-82 Lignite.

82-95 Claystone, silty, medium-gray.

95-96 Lignite.
96-126 Claystone, silty, medium-gray.

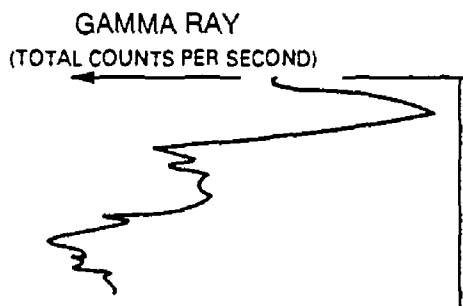
126-127.5 Sandstone.
127.5-151 Claystone, silty, medium-gray.

151-154 Lignite and clay.
154-183 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-093-12BBB
ALTITUDE: 2,286
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-11-92
DEPTH: 240
(FEET)



RESISTANCE
(OHMS)
(NO RESISTANCE LOG)

DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

180

183-200 Claystone, sandy, silty.

200

200-215 Claystone, silty, medium-gray.

215-219 Lignite, soft; taking water.
219-235 Claystone, silty, medium-gray.

220

235-238 Sandstone.
238-240 Claystone, silty, medium-gray.

240

Lost circulation at 240 feet. Hole caved back to 180 feet. Abandoned hole.

260

280

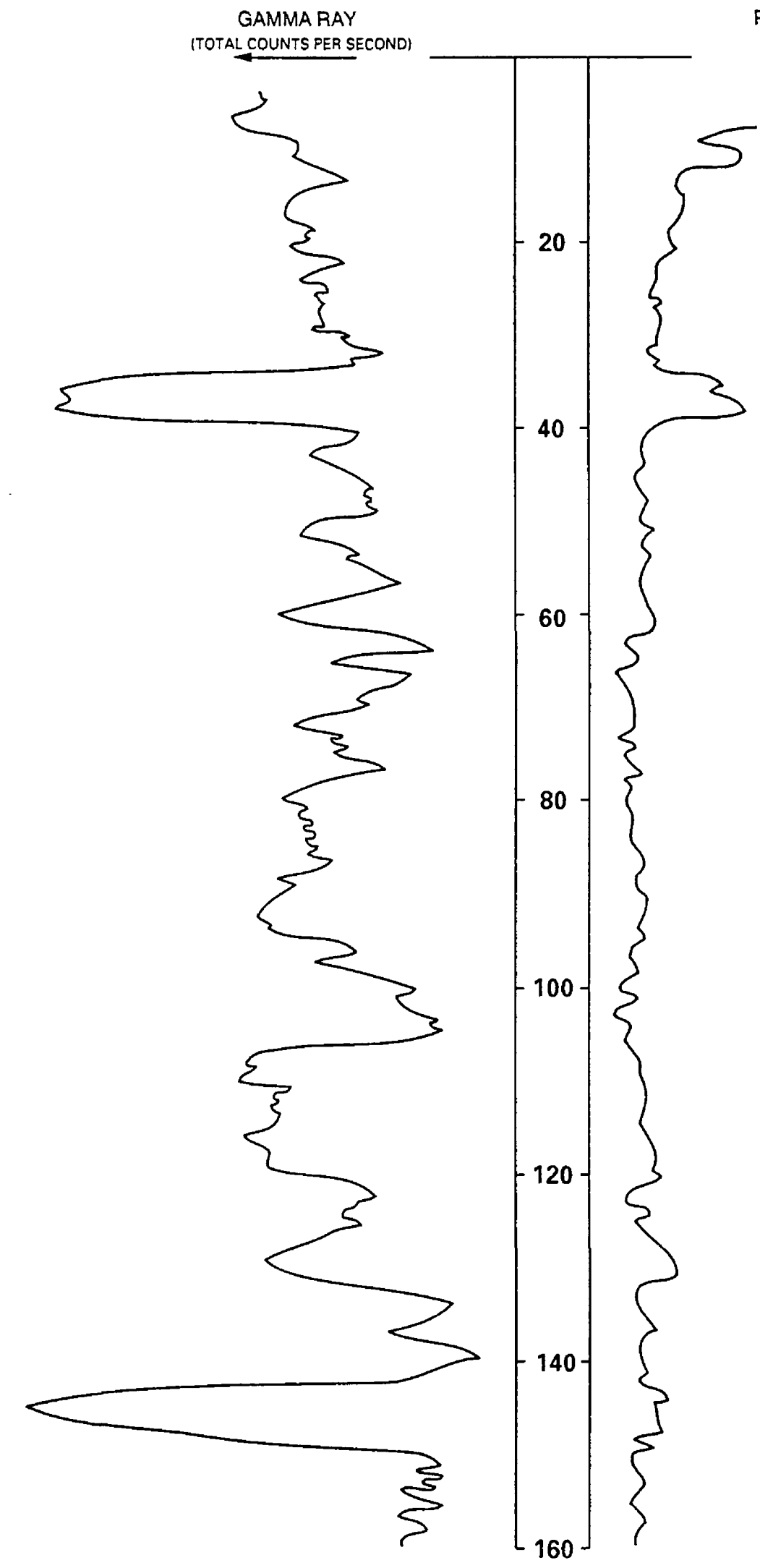
300

320

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-093-26ADB
ALTITUDE: 2,220
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-22-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black

Glacial Drift

1-6 Clay, sandy, yellowish-brown.

Sentinel Butte Member of Fort Union Formation

6-10 Claystone, silty, yellowish-gray.
10-11 Lignite, soft.
11-33 Claystone, silty, medium-gray.
33-38 Lignite.
38-51 Claystone, silty, medium-gray.

51-52 Lignite.
52-53 Claystone, silty, brownish-gray.
53-64.5 Claystone, silty, medium-gray.

64.5-65 Lignite.
65-92 Claystone, silty, medium-gray.

92-96 Claystone, sandy, bluish-gray.
96-97 Lignite.
97-106 Claystone, silty, medium-gray.

106-124 Sandstone, fine, bluish-gray; about 40 percent clay.

124-125 Lignite.
125-126 Claystone, silty, brownish-gray.
126-135 Claystone, silty, greenish-gray.
135-137 Lignite.
137-143 Claystone, silty, medium-gray.

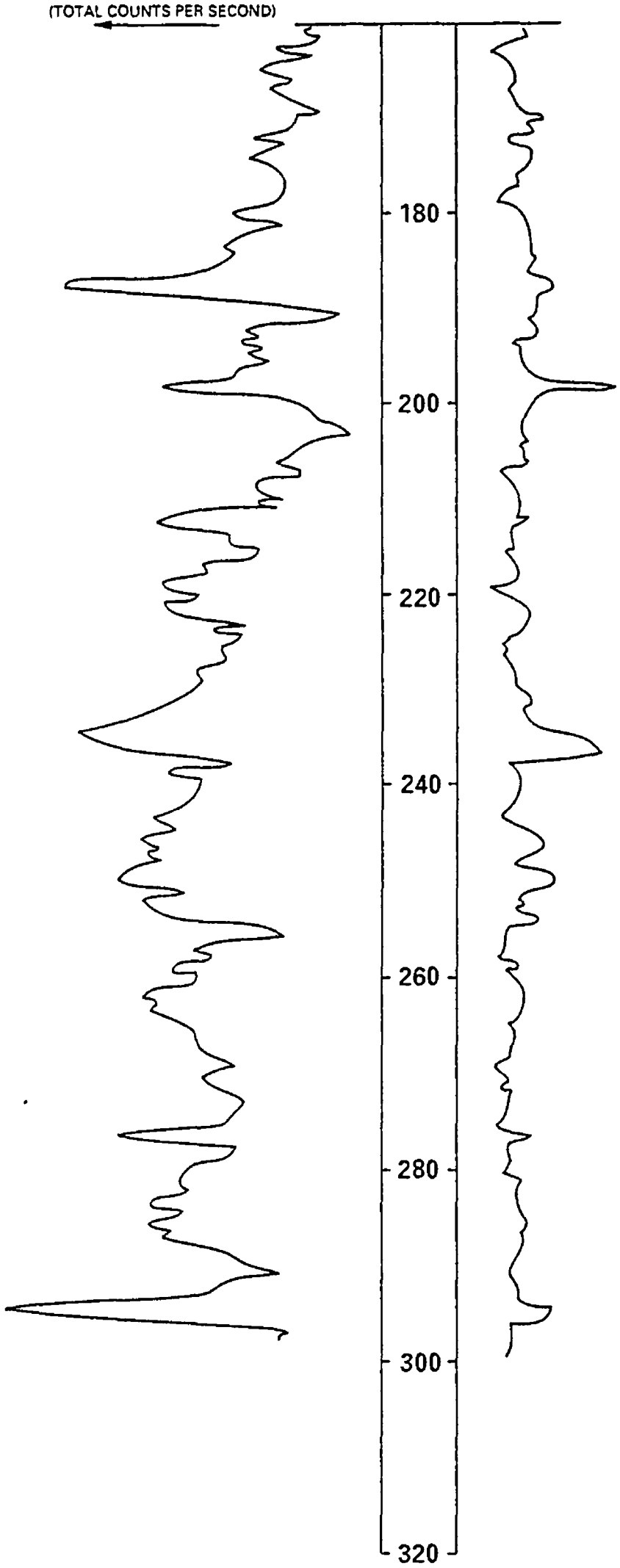
143-150 Lignite.

150-170 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-093-26ADB
ALTITUDE: 2,220
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-22-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Bntte Member of Fort Union Formation, Continned

170-172 Lignite.
172-187 Claystone, silty, medium-gray.

187-189 Lignite.
189-197 Claystone, silty, greenish-gray.
197-198 Sandstone.
198-212 Claystone, silty, medium-gray.

212-213 Lignite.
213-234 Claystone, silty, medium-gray.

234-236 Sandstone, hard.
236-238 Claystone, silty, medium-gray.
238-274 Sandstone, fine, bluish-gray; about 30 percent clay.

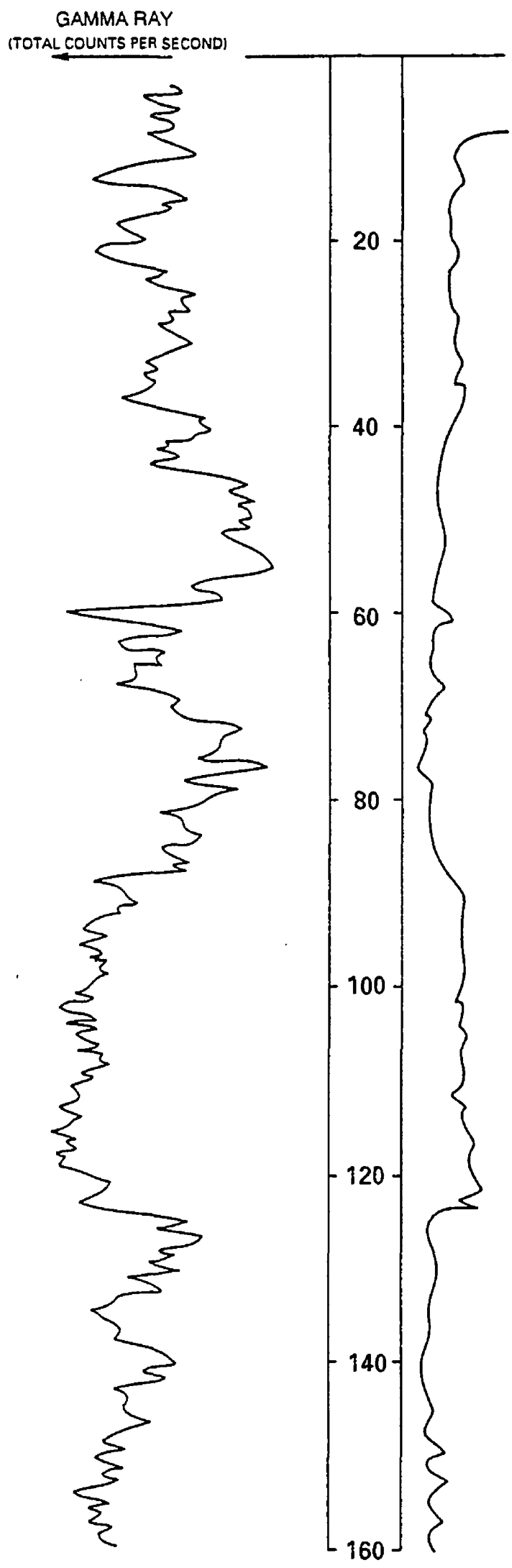
274-276 Lignite.
276-294 Claystone, silty, medium-gray.

294-296 Lignite.
296-300 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-094-28AAA1
ALTITUDE: 2,300
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-10-92
DEPTH: 320
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-13 Clay, silty, yellowish-brown; till.
13-16 Sand, fine to medium, yellowish-brown.
16-20 Clay, silty, yellowish-brown; till.
20-28 Sand, fine, yellowish-brown; with clay layers.
28-50 Clay, silty, yellowish-brown; till.

Sentinel Butte Member of Fort Union Formation

50-58 Claystone, silty, yellowish-brown.
58-60 Claystone, silty, blackish-gray.

60-64 Lignite, soft.
64-70 Claystone, silty, medium-gray.

70-74 Claystone, sandy, bluish-gray.
74-81 Claystone, silty, greenish-gray.

81-94 Claystone, silty, medium-gray.
94-96 Sandstone, fine, bluish-gray; about 20 percent clay.
96-125 Sandstone, fine, bluish-gray; about 10 percent clay.

125-129 Lignite, soft.

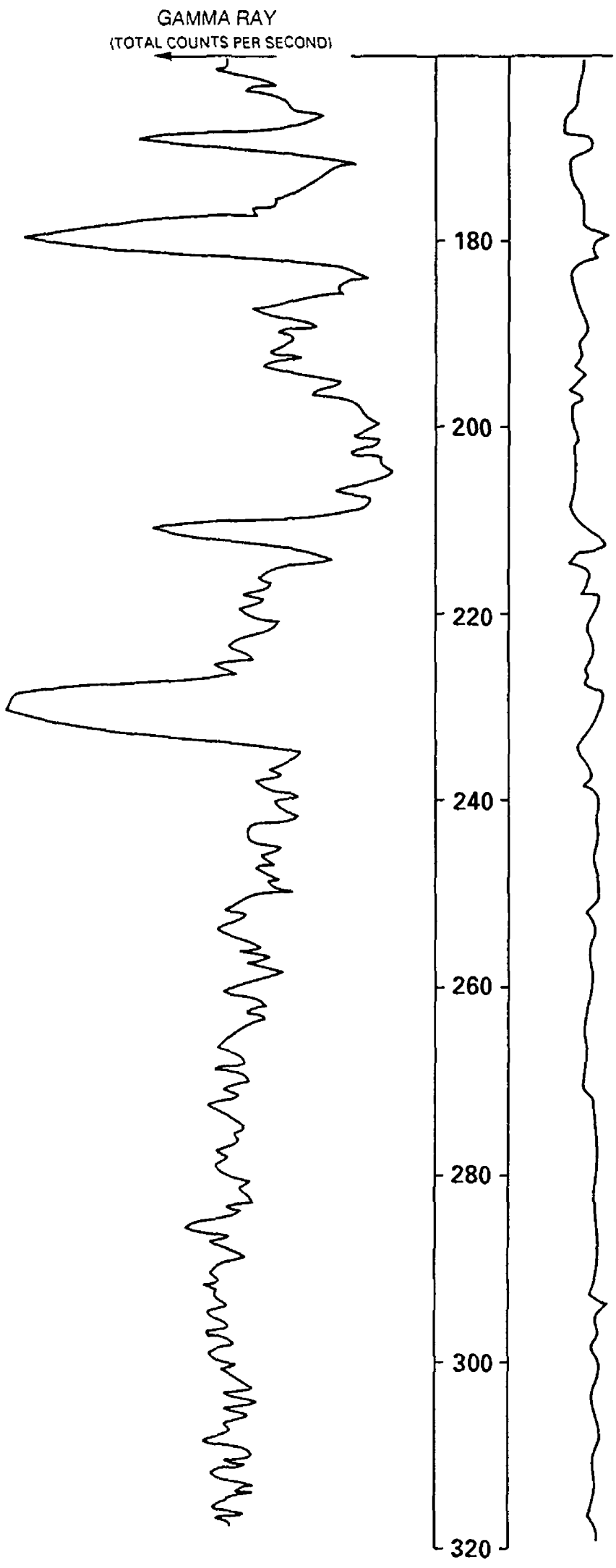
129-156 Claystone, silty, medium-gray.

156-170 Sandstone, fine, bluish-gray; about 30 percent clay.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 149-094-28AAA1
ALTITUDE: 2,300
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-10-92
DEPTH: 320
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

170-173 Lignite.
173-179 Claystone, silty, medium-gray.
179-184 Lignite.

184-198 Claystone, silty, medium-gray.
198-199 Sandstone.
199-212 Claystone, silty, medium-gray.

212-214 Lignite.
214-230 Claystone, sandy, silty, bluish-gray; about 30 percent sand.

230-235 Lignite.
235-246 Sandstone, fine, bluish-gray; abundant clay.

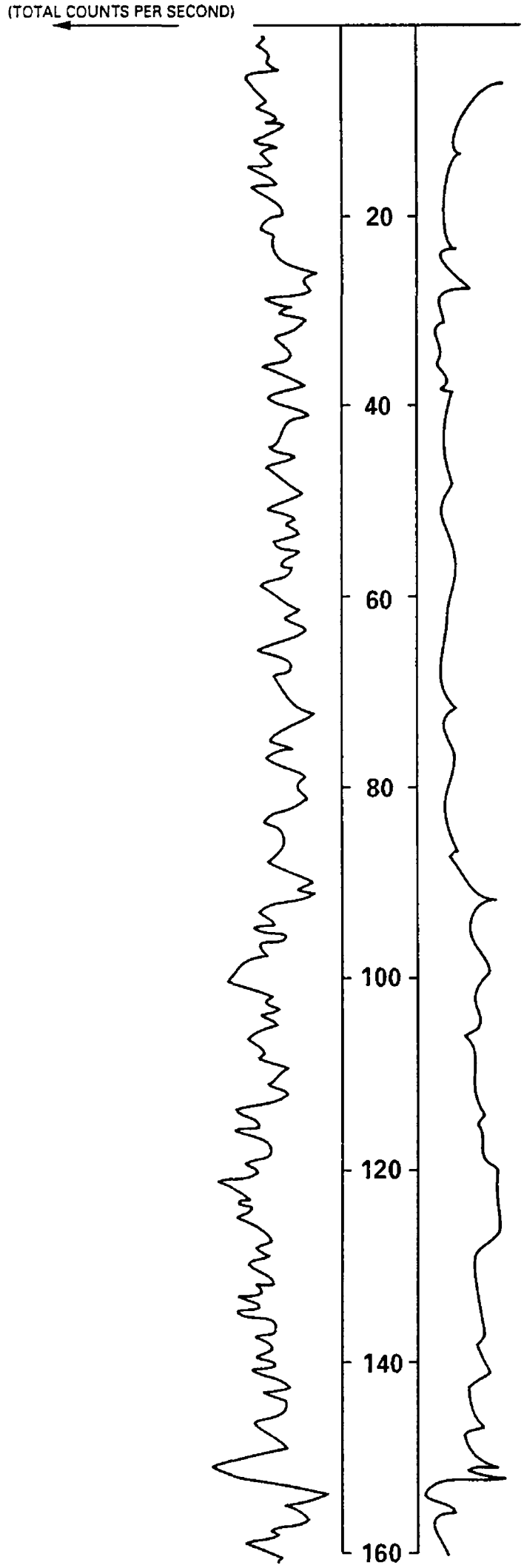
246-315 Sandstone, fine, bluish-gray; about 20 percent clay.

315-320 Claystone, sandy, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 150-089-13CDD
ALTITUDE: 1,992
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-02-92
DEPTH: 180
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-24 Clay, silty, yellowish-brown; till.

24-95 Clay, silty, olive-gray; till.

95-97 Sand, fine to coarse;
with abundant lignite.

97-100 Clay, silty, olive-gray; till.

100-107 Sand, fine to coarse;
with abundant lignite.

107-110 Clay, silty, gravelly, olive-gray; till.

110-112 Gravel and sand.

112-125 Clay, silty, olive-gray;
gravel layers; till.

125-131 Sand, fine to coarse;
with abundant lignite.

131-155 Clay, silty, olive-gray;
gravel layers; till.

Sentinel Butte Member of Fort Union Formation

155-180 Claystone, silty, brownish-gray
to greenish-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 150-089-13CDD
ALTITUDE: 1,992
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-02-92
DEPTH: 180
(FEET)

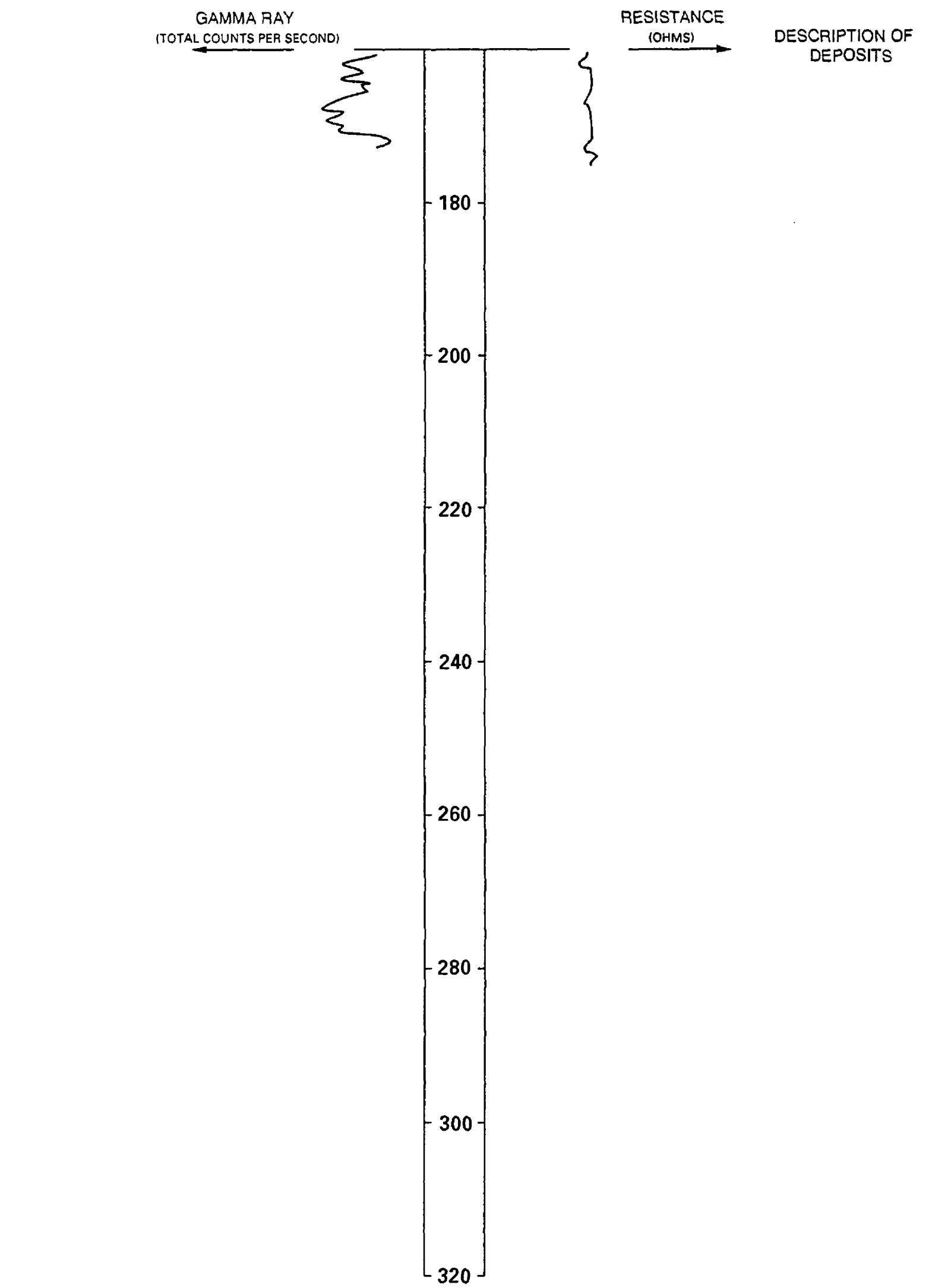
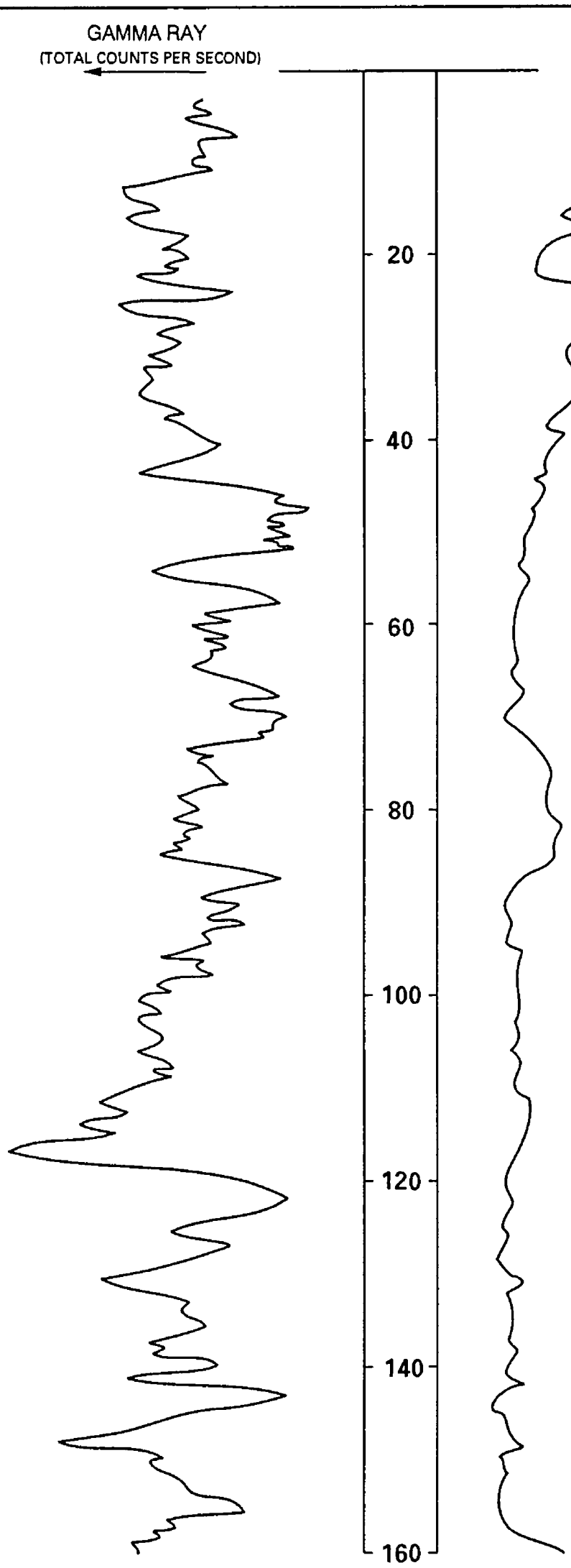


Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 150-094-33ACC
ALTITUDE: 2,290
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-09-92
DEPTH: 235
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-13 Clay, silty, yellowish-brown; till.
13-16 Gravel, fine to coarse, yellowish-brown.
16-17 Rocks.
17-24 Clay, silty, yellowish-brown; till.

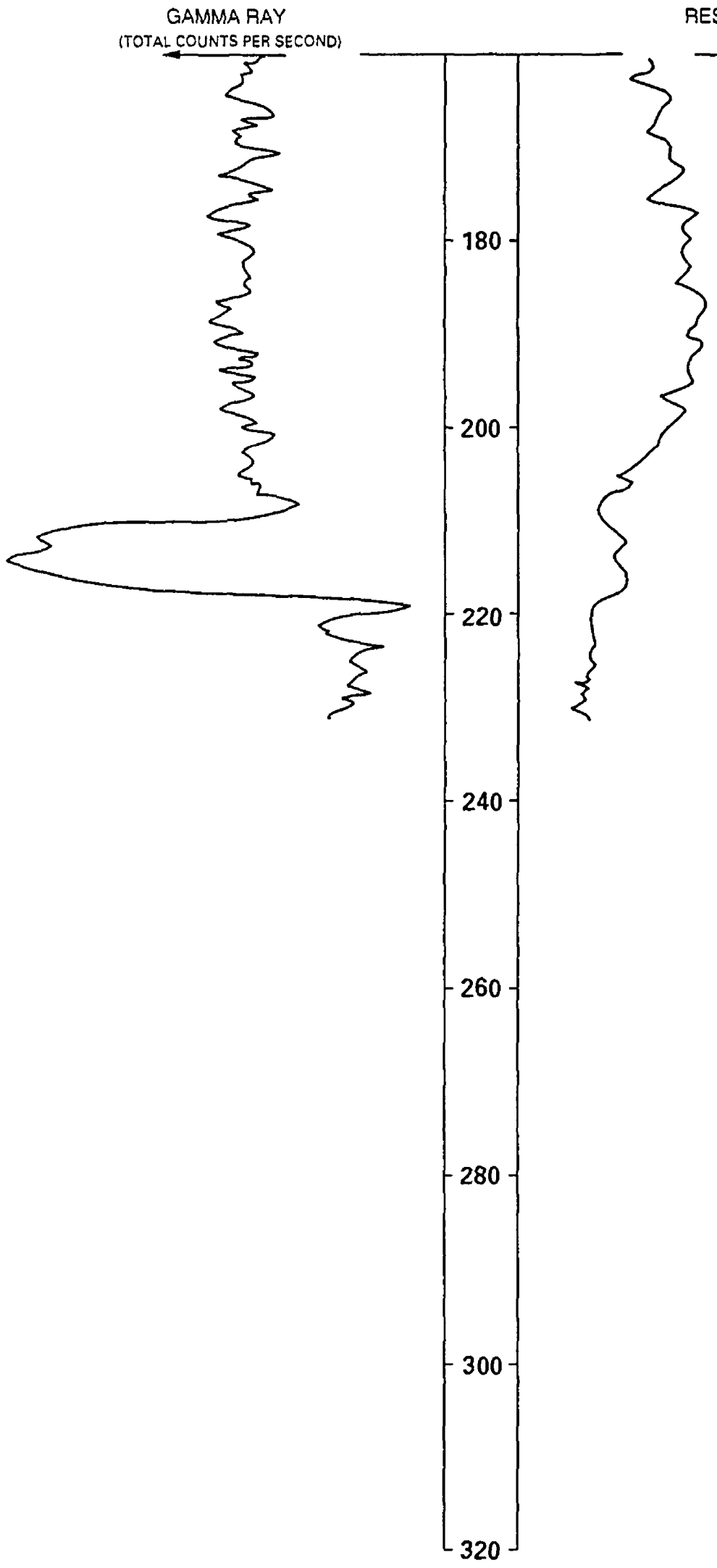
Sentinel Butte Member of Fort Union Formation

24-28 Limestone and sandstone.
28-38 Sandstone, fine, yellowish-gray.
38-45 Claystone, silty, yellowish-brown; with sand layers.
45-47 Lignite, soft.
47-73 Claystone, silty, medium-gray.
73-89 Claystone, silty, greenish-gray.
89-90 Lignite, soft.
90-107 Claystone, silty, greenish-gray.
107-117 Claystone, silty, medium-gray.
117-119 Lignite.
119-131 Claystone, silty, medium-gray.
131-133 Lignite.
133-134 Claystone, silty, brownish-gray.
134-140 Claystone, silty, greenish-gray.
140-141 Lignite.
141-159 Claystone, silty, greenish-gray.
159-172 Sandstone, fine, bluish-gray; about 30 percent clay.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 150-094-33ACC
ALTITUDE: 2,290
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-09-92
DEPTH: 235
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

172-173 Sandstone, hard.
173-212 Sandstone, fine, bluish-gray; about 20 percent clay.

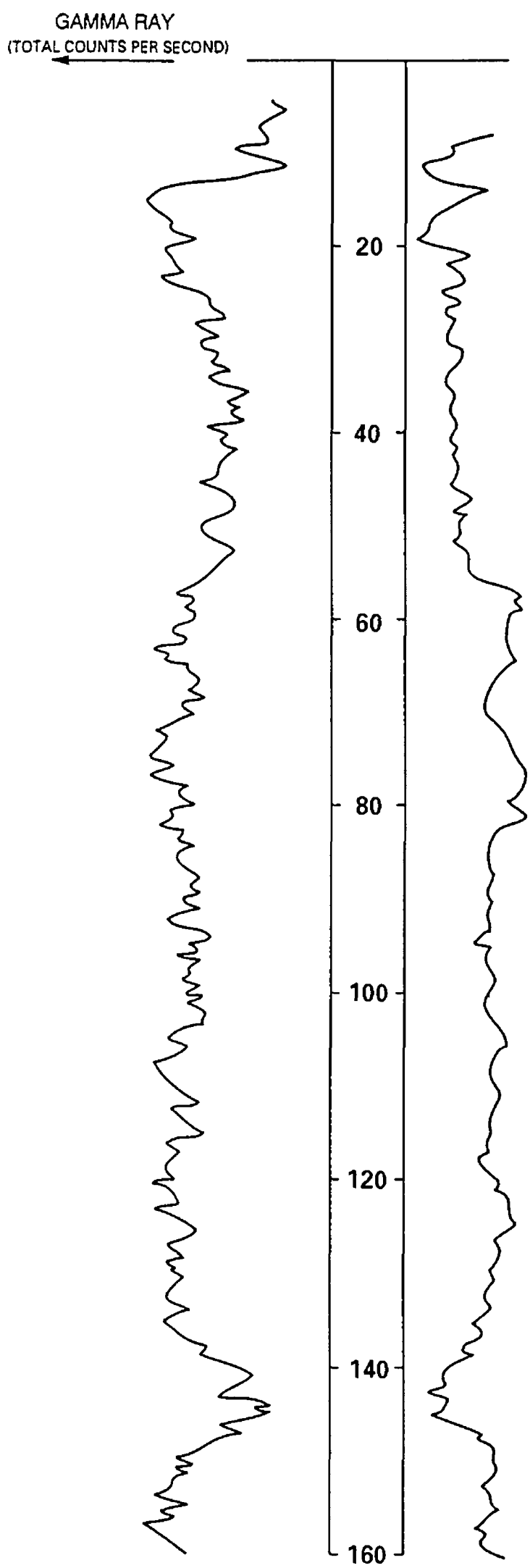
212-220 Lignite.

220-235 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-092-30ADD
ALTITUDE: 1,898
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-04-92
DEPTH: 240
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-11 Clay, silty, yellowish-gray; till.
11-15 Gravel, fine to coarse.
15-20 Clay, silty, yellowish-gray; till.
20-26 Gravel and sand, yellowish-brown.
26-55 Clay, silty, olive-gray; till.

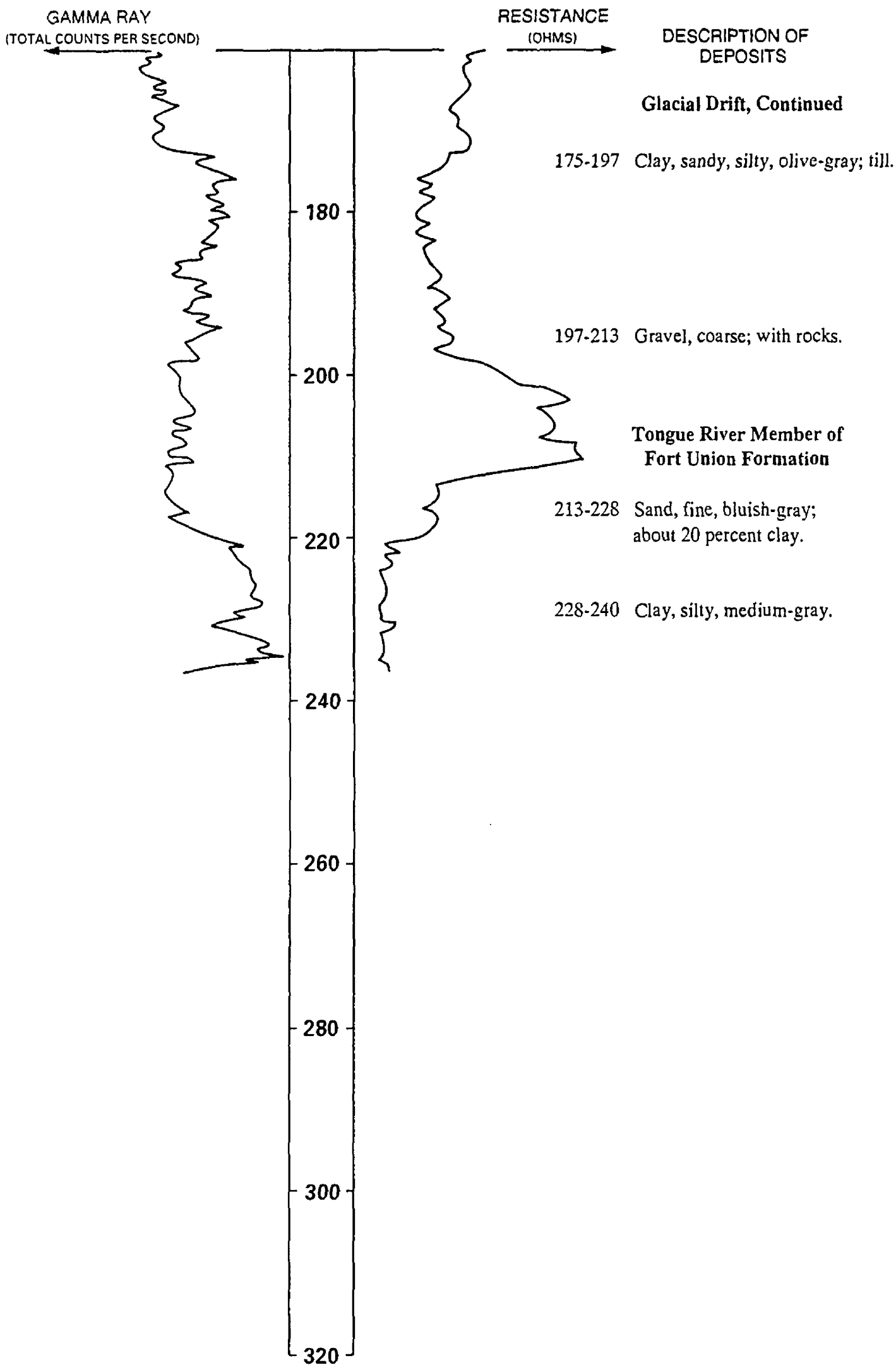
55-60 Gravel, fine to coarse.

60-175 Sand, fine to medium, medium-gray; some lignite.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-092-30ADD
ALTITUDE: 1,898
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-04-92
DEPTH: 240
(FEET)



DESCRIPTION OF DEPOSITS

Glacial Drift, Continued

175-197 Clay, sandy, silty, olive-gray; till.

197-213 Gravel, coarse; with rocks.

Tongue River Member of Fort Union Formation

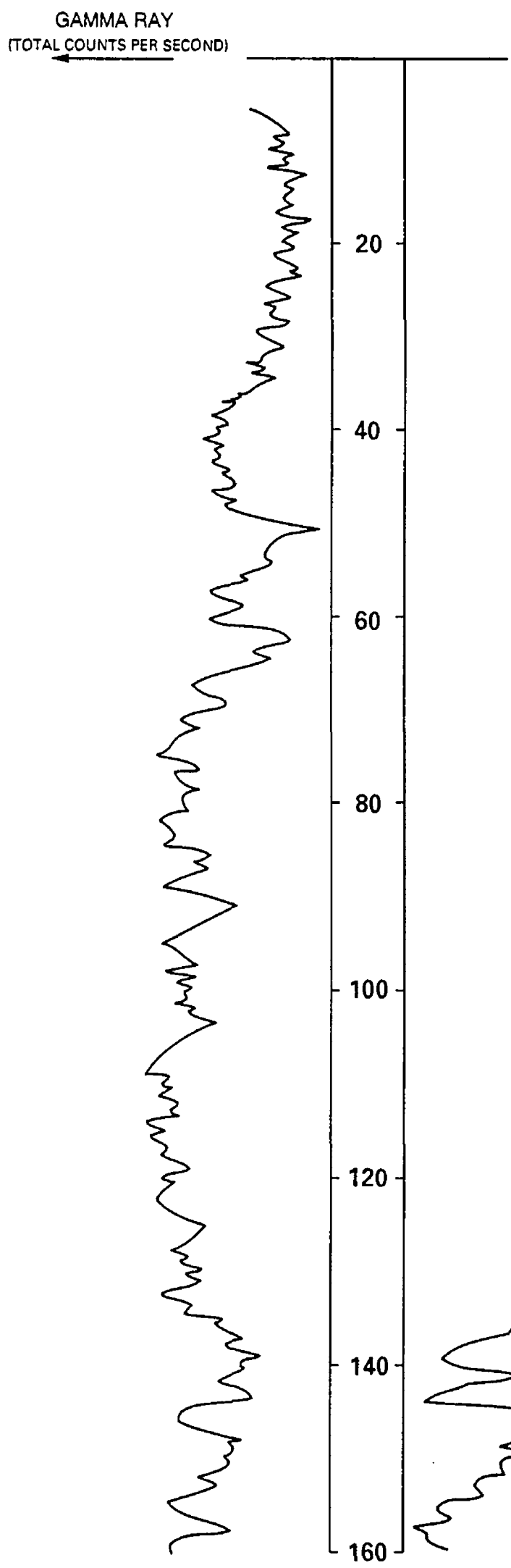
213-228 Sand, fine, bluish-gray; about 20 percent clay.

228-240 Clay, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-093-21ADD
ALTITUDE: 1,995
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-05-92
DEPTH: 327
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-4 Clay, silty, yellowish-brown; till.
4-6 Gravel, fine to coarse, yellowish-brown.
6-40 Clay, silty, yellowish-brown; till.

40-84 Sand, fine to coarse, yellowish-brown.

84-90 Clay, sandy, silty, brownish-gray; till.

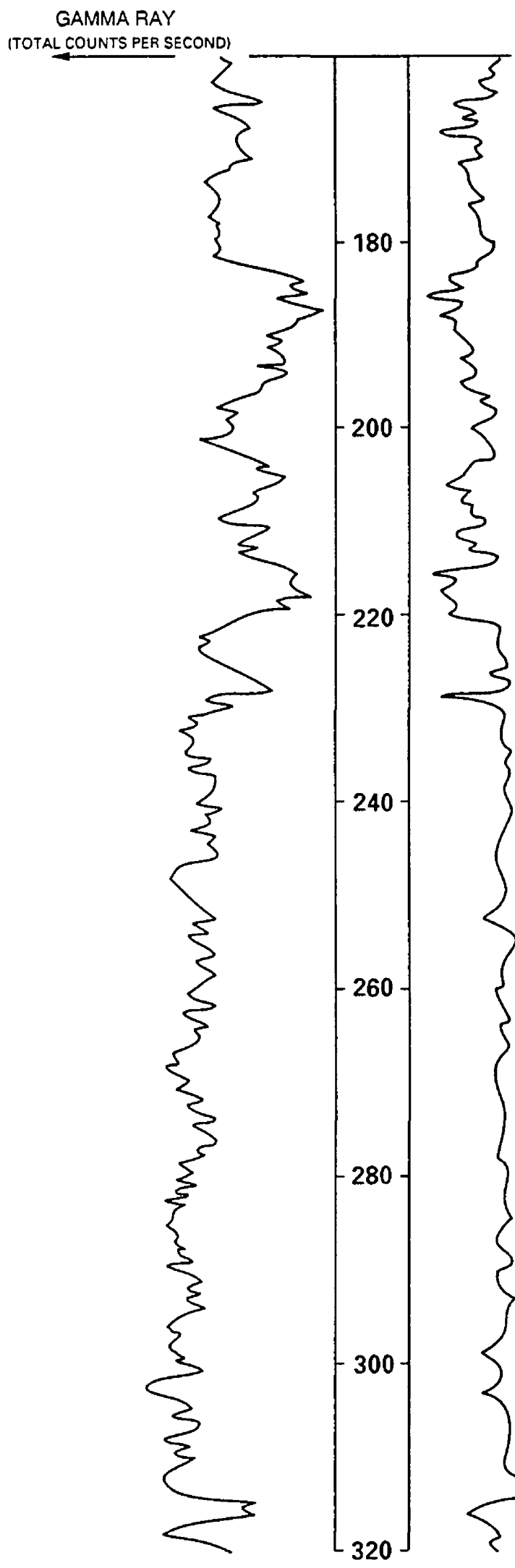
Sentinel Butte Member of Fort Union Formation

90-187 Sandstone, fine to medium, yellowish-brown, some lignite.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-093-21ADD
ALTITUDE: 1,995
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-05-92
DEPTH: 327
(FEET)



DESCRIPTION OF DEPOSITS

Glacial Drift, Continued

187-198 Claystone, silty, brownish-gray.
198-205 Sandstone, fine, clayey, brownish-gray; some lignite.

205-224 Claystone, sandy, silty, brownish-gray; with sand layers.

224-242 Claystone, sandy, silty, bluish-gray; about 40 percent sand.

242-314 Sandstone, fine, brownish-gray to bluish-gray; with some lignite and clay layers.

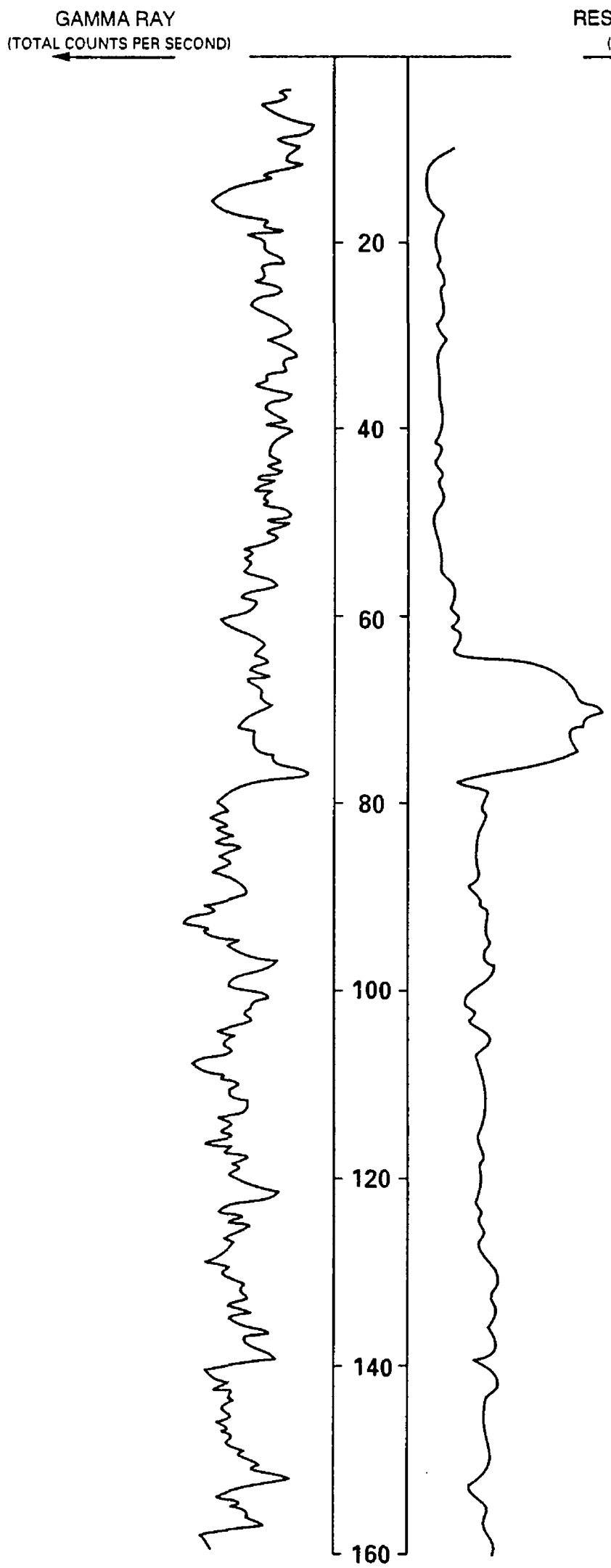
314-315 Sandstone, hard.
315-327 Claystone, silty, medium-gray.

No geophysical log below 320 feet.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-093-24DCC
ALTITUDE: 1,925
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-03-92
DEPTH: 260
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

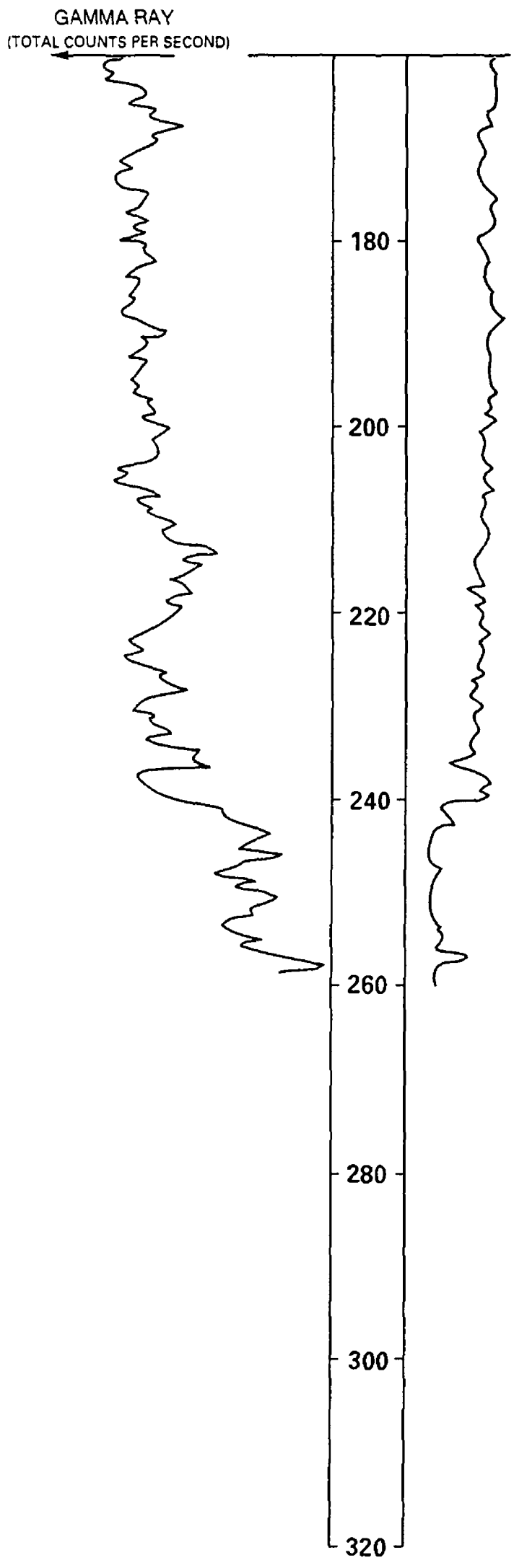
1-12 Clay, silty, yellowish-brown; till.
12-17 Clay, silty, blackish-gray; till.
17-19 Gravel, fine to coarse, yellowish-brown.
19-63 Clay, silty, olive-gray; till.

63-238 Sand, fine to medium, bluish-gray; with some lignite and clay layers.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-093-24DCC
ALTITUDE: 1,925
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-03-92
DEPTH: 260
(FEET)



DESCRIPTION OF DEPOSITS

Glacial Drift, Continued

238-242 Gravel, quartzite, argilite, porphyry, and chert.

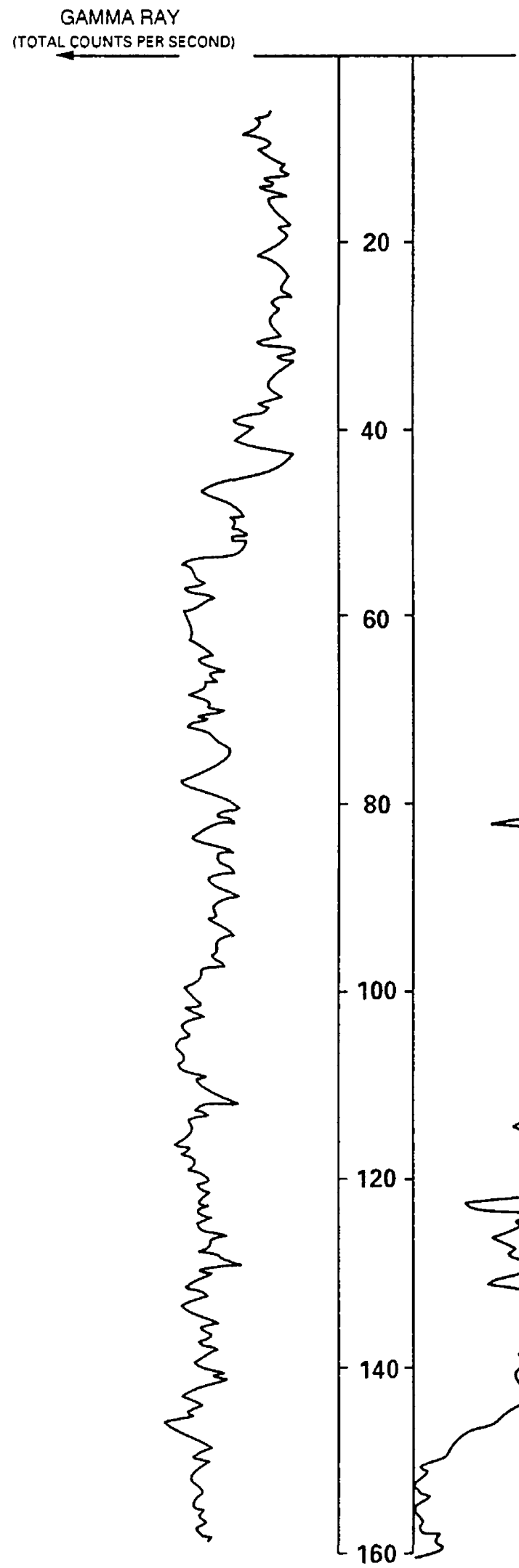
Tongue River Member of Fort Union Formation

242-260 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-093-27BBB
ALTITUDE: 1,985
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-04-92
DEPTH: 310
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-40 Clay, silty, yellowish-brown; till.

40-64 Sand, fine to medium, yellowish-brown.

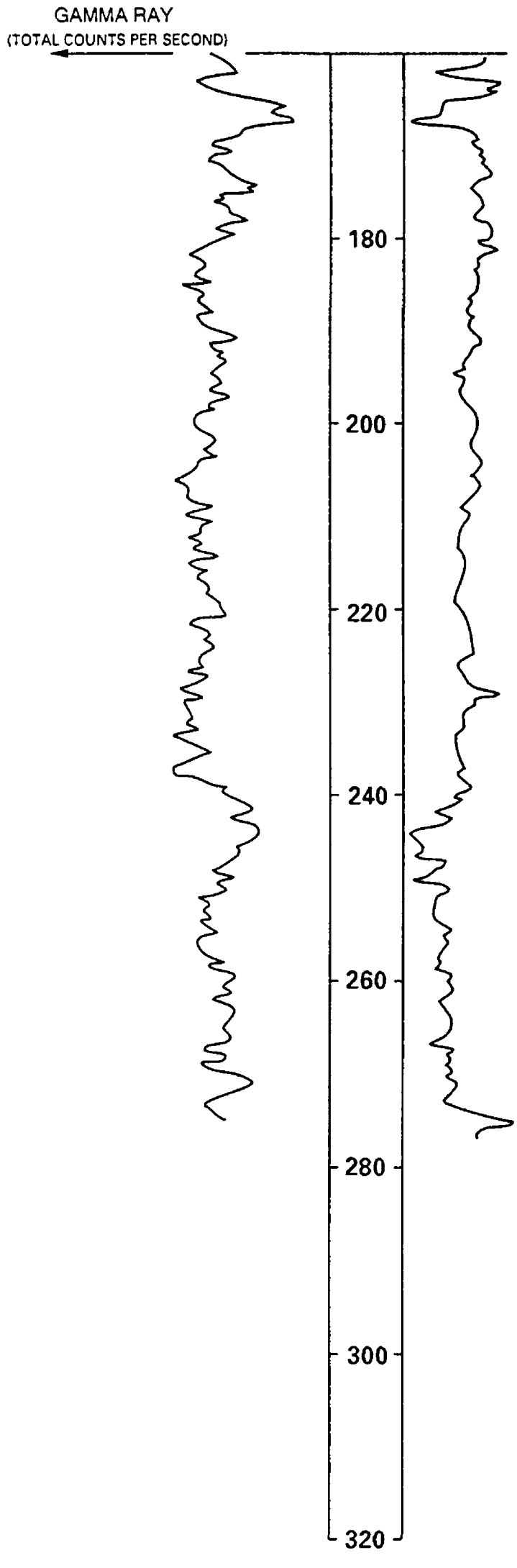
64-101 Clay, sandy, silty, yellowish-gray to brownish-gray; till.

101-238 Sand, fine to medium, brownish-gray; with clay layers.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-093-27BBB
ALTITUDE: 1,985
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-04-92
DEPTH: 310
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation

238-241 Limestone.

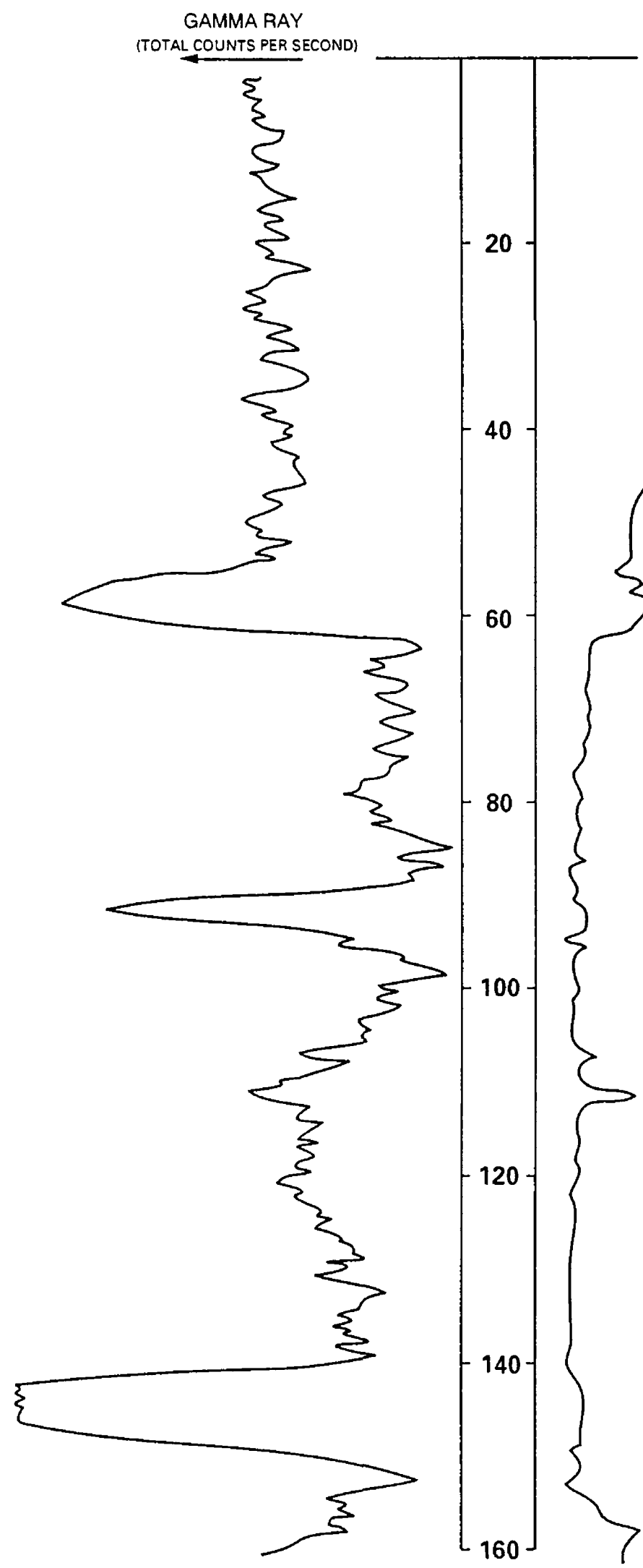
241-308 Sandstone, fine, bluish-gray; about 20 percent clay.

308-310 Sandstone, hard.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-094-06ABB1
ALTITUDE: 2,138
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-08-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

0-1 Topsoil, silty, black.

Glacial Drift

1-10 Clay, silty, yellowish-brown; till.

Sentinel Butte Member of Fort Union Formation

10-37 Sandstone, fine, yellowish-brown.
37-39 Sandstone, hard.
39-58 Sandstone, fine, yellowish-brown; about 30 percent clay.

58-64 Lignite, soft.

64-87 Claystone, silty, medium-gray.

87-88 Lignite.
88-93 Claystone, silty, medium-gray.
93-98 Lignite.
98-109 Claystone, silty, medium-gray.

109-110 Limestone.
110-112 Claystone, silty, medium-gray.
112-114 Sandstone.
114-140 Claystone, silty, medium-gray.

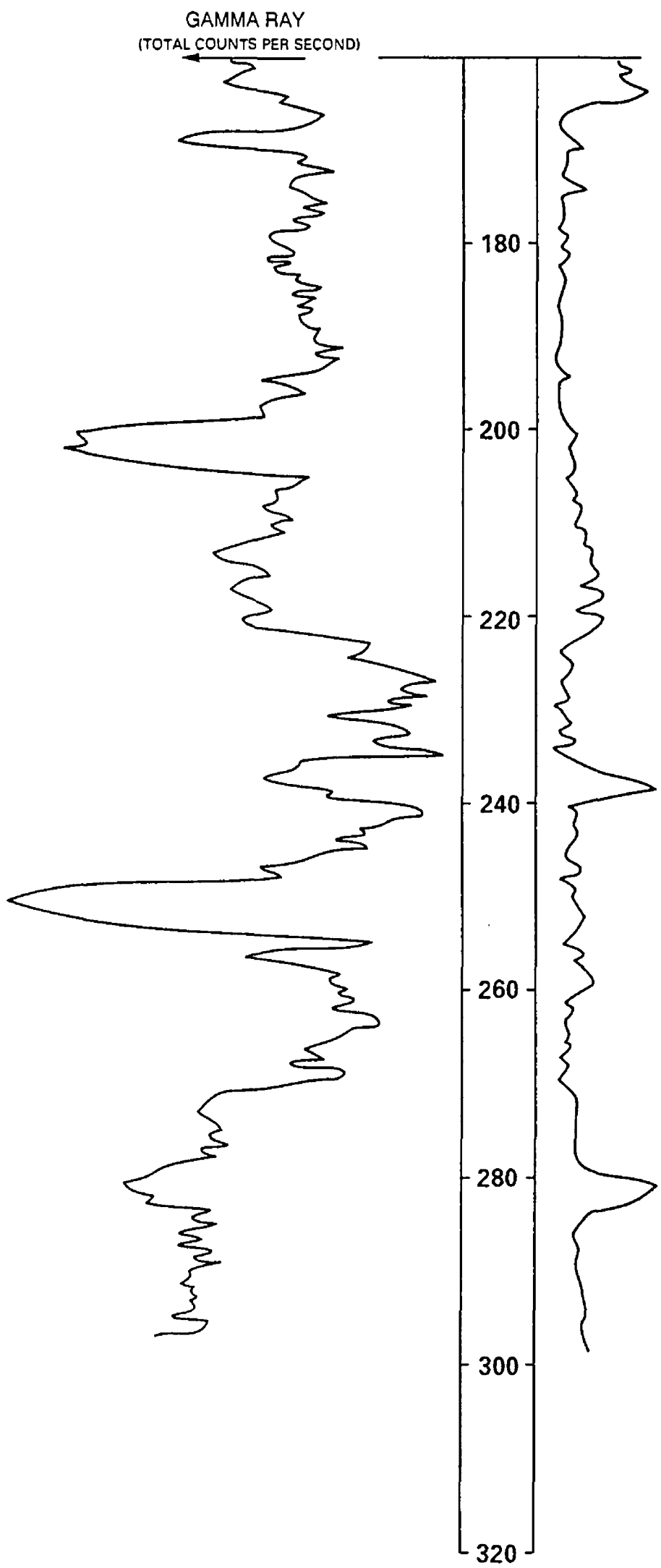
140-153 Lignite.
153-155 Claystone, silty, brownish-gray.

155-170 Claystone, silty, greenish-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-094-06ABB1
ALTITUDE: 2,138
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-08-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

170-172 Lignite.
172-175 Claystone, silty, greenish-gray.
175-176 Sandstone, hard.
176-182 Claystone, silty, greenish-gray.
182-203 Claystone, silty, medium-gray.

203-204 Lignite.
204-204.5 Claystone, silty, brownish-gray.
204.5-206 Lignite.
206-220 Claystone, silty, light-gray.

220-225 Claystone, sandy, silty, light-gray.

225-249 Claystone, silty, light-medium-gray.

249-251 Claystone, silty, brownish-gray.
251-255 Lignite.
255-255.5 Claystone, silty, brownish-gray.
255.5-258 Lignite.
258-283 Claystone, silty, medium-gray.

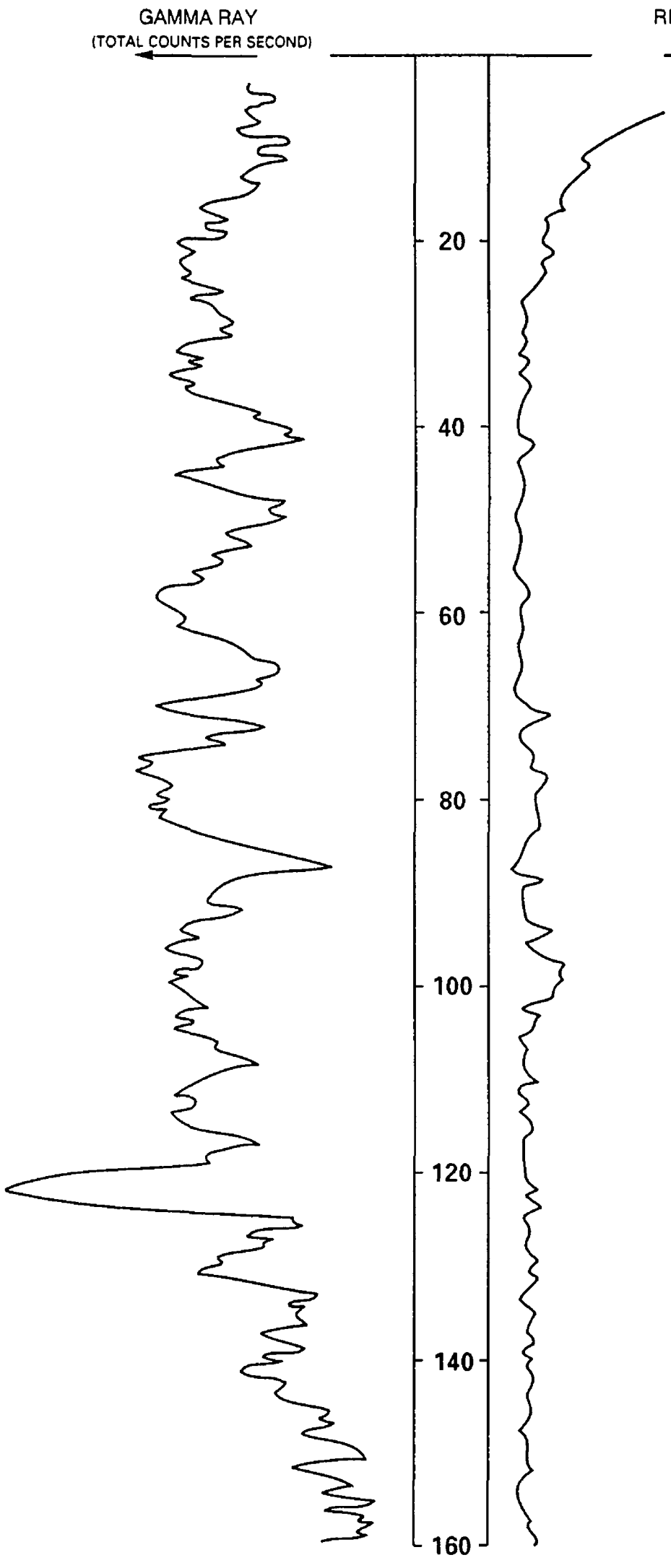
283-285 Sandstone, hard.

285-300 Claystone, silty, medium-gray.

Table 4. U.S. Geological Survey geophysical and lithologic logs--Continued

LOCATION: 151-094-33BCA
ALTITUDE: 2,368
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-09-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

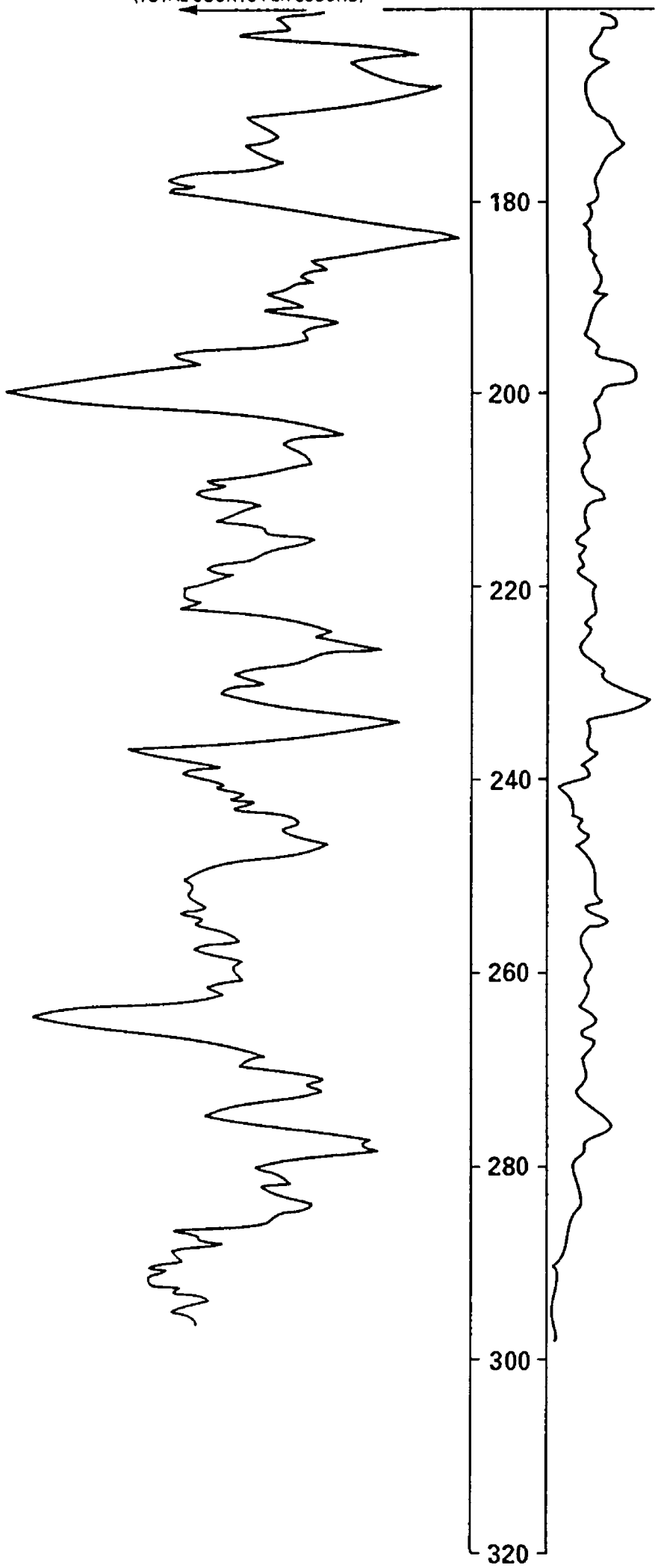
0-1 Topsoil, silty, black.

Sentinel Butte Member of Fort Union Formation

1-19 Claystone, sandy, yellowish-brown; about 45 percent sand.
19-32 Sandstone, fine, yellowish-brown.
32-37 Claystone, silty, yellowish-brown.
37-43 Claystone, silty, medium-gray.
43-44 Lignite.
44-72 Claystone, silty, medium-gray.
72-74 Sandstone, hard.
74-79 Claystone, silty, medium-gray.
79-90 Claystone, sandy, silty, medium-gray.
90-100 Claystone, silty, medium-gray.
100-107 Sandstone, fine, bluish-gray; about 30 percent clay.
107-122 Claystone, silty, medium-gray.
122-126 Lignite.
126-148 Claystone, silty, light-gray.
148-152 Claystone, silty, brownish-gray.
152-164 Claystone, silty, greenish-gray.

LOCATION: 151-094-33BCA
ALTITUDE: 2,368
(FEET ABOVE SEA LEVEL)

DATE DRILLED: 06-09-92
DEPTH: 300
(FEET)



DESCRIPTION OF DEPOSITS

Sentinel Butte Member of Fort Union Formation, Continued

164-165 Claystone, silty, brownish-gray.
165-166 Lignite.
166-172 Claystone, silty, greenish-gray.
172-200 Claystone, silty, medium-gray.

200-204 Claystone, silty, brownish-black.
204-242 Claystone, silty, medium-gray.

242-265 Claystone, silty, greenish-gray.

265-266.5 Lignite.
266.5-300 Claystone, silty, medium-gray.

Table 5. Physical properties and major-ion concentrations in water from wells

Aquifer code

Pleistocene	
112BDVL	Buried valley deposits
112BGFV	Buried glaciofluvial deposits
112HDLK	Hidden Lake aquifer
112NWTN	New Town aquifer
112OTSH	Outwash deposits
112SANISH	Sanish aquifer
112SLCK	Shell Creek aquifer system
112TILL	Till deposits
112VANG	Vang aquifer
112WSLD	White Shield aquifer
Paleocene	
125SNLB	Sentinel Butte Member of Fort Union Formation
125TGRV	Tongue River Member of Fort Union Formation
Cretaceous	
211FXHL	Fox Hills Sandstone
211HCFH	Hell Creek Formation-Fox Hills Sandstone

Abbreviations and symbols

µS/cm, microsiemens per centimeter at 25 degrees Celsius
mg/L, milligrams per liter
<, less than
--, no data or not applicable

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
146-088-30DDD	--	426	09-19-78	2,500	9.0	9.0	43	0	1,640	2,150	--	7.9
146-089-10CBD	125TGRV	241	08-03-92	3,460	8.1	10.5	31	--	1,710	2,100	--	5.3
146-090-20CCC	211FXHL	1,574	06-28-68	2,240	8.4	--	12	0	--	1,370	1,370	3.2
146-090-20CCC	211FXHL	1,574	07-09-69	2,260	8.4	19.0	9	0	--	1,360	1,230	2.5
146-091-08CAA	125SNLB	170	09-29-71	2,860	7.8	7.5	1,000	430	580	2,240	2,250	210
146-091-13BCA1	125SNLB	200	09-28-71	893	7.6	8.5	310	0	360	580	557	64
146-091-17CDC	112BGFV	141	07-23-74	953	8.1	8.0	330	0	350	619	626	75
146-091-17CDC	112BGFV	141	08-23-78	1,050	--	8.5	310	0	340	621	630	73
146-091-17CDC	112BGFV	141	09-27-88	900	7.7	8.0	320	--	280	592	566	71
146-091-20DDD1	112BGFV	43	08-11-71	1,230	7.6	15.0	380	35	340	809	806	91
146-091-21CDD1	112BGFV	192	10-27-71	1,170	7.6	7.0	350	0	420	860	870	94
146-091-21CDD2	112BGFV	93	10-27-71	811	7.5	6.0	370	20	350	539	514	91
146-091-21DCD	125SNLB	69	09-28-71	4,260	8.0	12.0	140	0	770	3,240	3,110	27
146-091-22BBA	125SNLB	235	07-12-72	2,200	8.9	10.0	7	0	810	1,450	1,490	1.8
146-091-28ABA	--	94	10-28-71	2,640	8.1	7.0	730	210	520	2,250	2,100	150
146-091-35BBC	112BGFV	221	07-23-74	988	8.2	8.0	380	5	380	646	637	87
146-091-35BBC	112BGFV	221	08-23-78	1,100	--	8.0	350	0	360	622	658	83
146-091-35BBC	112BGFV	221	09-27-88	940	7.6	7.0	370	--	360	650	575	80
146-092-27DDD	125SNLB	58	07-24-74	407	8.1	10.0	140	0	180	248	231	34
146-092-29DDC1	125SNLB	75	09-30-71	1,100	7.7	8.0	380	130	260	725	720	92
146-092-30DAA	125SNLB	64	07-12-72	470	7.2	9.5	130	0	200	278	256	24
146-092-32CDD1	125SNLB	78	09-30-71	810	7.9	8.0	270	43	230	505	506	53
146-093-03CDD	211FXHL	1,525	07-13-72	2,160	8.4	21.0	6	0	950	1,320	1,350	2.1
146-093-03CDD	211FXHL	1,525	05-24-73	2,130	8.2	15.0	7	0	940	1,310	1,450	2.0
146-093-17CBB	125SNLB	150	07-12-72	745	7.0	9.5	370	62	310	484	516	85
146-093-19BDD	125SNLB	140	07-13-72	934	6.9	--	370	130	240	623	650	73
146-093-20ADD	125SNLB	27	10-06-71	220	7.4	7.0	98	17	80	157	150	26
146-093-20CBC	125SNLB	120	10-06-71	670	7.8	8.5	300	41	260	428	417	58
146-093-20CCA	125SNLB	140	07-13-72	655	7.2	10.0	250	0	270	403	422	48
146-093-22ADD	125SNLB	80	10-05-71	174	7.2	7.0	32	0	50	133	123	5.9

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Megnsium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L es HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L ss SO_4)	Chloride, dissolved (mg/L aa Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
146-088-30DDD	5.5	870	97	58	6.6	--	--	14	250	1.1	9.1	--	--
146-089-10CBD	4.3	860	98	67	3.8	--	--	1.8	190	1.7	10	--	--
146-090-20CCC	1.0	570	99	71	1.9	1,080	22	3.5	220	4.8	11	--	--
146-090-20CCC	.7	560	99	81	1.7	1,100	14	2.9	210	4.9	14	--	--
146-091-08CAA	120	360	43	5.0	5.1	710	0	1,200	12	1.3	7.8	0.23	--
146-091-13BCA1	36	84	37	2.0	7.0	430	0	150	1.7	.5	16	.23	--
146-091-17CDC	35	89	37	2.0	4.3	430	0	180	2.3	.7	18	.23	--
146-091-17CDC	31	97	40	2.0	4.5	420	0	180	2.5	.6	25	.23	--
146-091-17CDC	34	96	39	2.0	5.1	--	--	190	1.4	.4	27	--	--
146-091-20DDD1	37	130	42	3.0	4.5	420	0	320	4.4	.8	11	.56	--
146-091-21CDD1	27	170	50	4.0	7.0	510	0	290	2.6	.8	25	.07	--
146-091-21CDD2	34	46	21	1.0	4.1	420	0	130	1.4	.7	22	.23	--
146-091-21DCD	17	1,000	94	39	6.4	940	0	1,700	4.0	.8	8.9	.56	--
146-091-22BBA	.6	550	99	91	2.3	860	62	400	0	.6	4.7	.23	--
146-091-28ABA	86	490	59	8.0	5.5	630	0	1,200	5.1	.9	15	.23	--
146-091-35BBC	40	80	31	2.0	5.9	460	0	180	3.0	.9	19	.23	--
146-091-35BBC	35	80	33	2.0	5.6	440	0	170	2.2	.7	28	.09	--
146-091-35BBC	41	84	33	2.0	6.5	--	--	190	1.1	.5	32	--	--
146-092-27DDD	13	37	36	1.0	2.9	220	0	38	2.9	.4	10	.23	--
146-092-29DDC1	37	81	31	2.0	2.3	310	0	120	36	1.1	17	41	--
146-092-30DAA	16	52	47	2.0	2.4	250	0	44	0	.5	15	.23	--
146-092-32CDD1	33	66	34	2.0	5.0	280	0	110	25	1.1	13	15	--
146-093-03CDD	.2	540	99	95	1.8	1,120	17	6.5	180	5.9	14	.23	--
146-093-03CDD	.4	530	99	89	1.9	1,150	0	8.4	180	3.7	15	--	--
146-093-17CBB	38	26	13	.6	3.8	370	0	130	0	.2	15	.56	--
146-093-19BDD	45	67	28	2.0	3.4	290	0	270	.3	.3	19	.23	--
146-093-20ADD	8.0	9.2	16	.4	5.4	99	0	25	12	.1	17	.88	--
146-093-20CBC	37	37	21	.9	3.7	310	0	110	3.9	.5	16	.23	--
146-093-20CCA	32	49	29	1.0	2.9	320	0	70	4.3	.7	16	4.3	--
146-093-22ADD	4.3	24	60	2.0	1.6	65	0	32	5.7	.8	19	.23	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conduc-tsnce (µS/cm)	pH (stan-dard units)	Temper-sture, water (degrees Celsius)	Hard-ness, total (mg/L as $CaCO_3$)	Hard-ness, noncar-bonate (mg/L as $CaCO_3$)	Alka-linity (mg/L as $CaCO_3$)	Solids, sum of constit-uents, dissolved (mg/L)	Solids, residue st 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L ss Ca)
146-093-24DCC1	125SNLB	115	10-06-71	421	7.6	8.5	140	46	90	290	284	29
146-093-26CBB	125SNLB	60	10-05-71	887	7.1	7.5	300	260	40	631	607	47
146-093-27CCC	125SNLB	76	07-24-74	1,030	8.1	9.0	420	140	280	704	736	95
146-093-28AAA2	125SNLB	76	11-22-74	909	8.0	8.0	430	62	370	579	579	100
146-093-28DDB1	125SNLB	84	10-06-71	733	8.0	9.0	150	0	260	466	470	35
146-094-05CBD	211FXHL	1,410	05-25-72	2,890	8.2	19.0	24	0	1,360	1,790	1,800	4.5
146-094-08DAC1	125SNLB	25	10-08-71	4.070	8.0	8.0	970	100	870	3,110	3,160	220
146-094-08DAD1	211FXHL	1,404	05-25-72	3,590	8.3	14.0	27	0	1,660	2,220	2,300	6.6
146-094-24DDD2	125SNLB	60	10-07-71	442	7.9	9.0	130	0	200	285	274	26
147-087-04ABA	125TGRV	380	10-14-66	2,550	8.3	8.5	33	0	970	1,700	1,740	7.4
147-090-22CCC	125SNLB	150	11-03-50	2,010	7.9	8.5	420	18	--	1,440	1,440	80
147-090-25ABC	125SNLB	155	11-03-50	3,900	8.2	--	140	0	--	2,760	--	26
147-091-25DCC	125SNLB	92	11-05-90	3,990	7.7	12.5	310	--	850	3,050	--	44
147-091-26CCD	125TGRV	925	09-29-71	2,950	7.2	8.0	1,400	830	610	2,460	2,610	370
147-091-28ACC	125TGRV	707	11-05-90	3,540	8.0	13.0	33	--	1,750	--	--	6.2
147-091-29BCA	125TGRV	917	05-23-72	3,650	8.2	13.5	35	0	1,970	2,350	2,380	7.8
147-092-03CDC2	--	1,000	11-05-90	2,920	8.3	11.5	17	--	1,340	--	--	4.4
147-093-03DBB	125SNLB	223	10-19-50	4,060	8.7	--	68	0	1,380	2,870	2,880	9.0
147-093-29DCA	125TGRV	373	08-23-72	3,240	8.1	13.5	27	0	1,940	2,120	2,120	4.9
147-094-26BCB	211FXHL	1,500	11-16-72	2,350	8.1	15.5	9	0	1,010	1,440	1,460	2.6
147-094-34BAD	211FXHL	1,502	11-16-72	2,230	8.1	23.0	9	0	977	1,360	1,410	2.4
147-095-12BCD	125TGRV	400	07-13-72	3,240	8.0	--	22	0	1,990	2,190	2,210	4.0
147-095-12CAD	211FXHL	1,410	07-13-72	2,900	8.1	18.5	13	0	1,280	1,760	1,790	3.4
147-095-13CCC2	211FXHL	1,930	07-07-72	2,120	8.5	12.0	6	0	950	1,280	1,200	1.8
147-095-13CCC3	211FXHL	1,980	11-01-90	1,980	8.6	14.5	6	--	890	--	--	1.9
147-095-14AAA	211FXHL	1,430	07-13-72	2,880	8.1	17.0	16	0	1,290	1,770	1,830	3.2
147-095-14CBB1	125SNLB	52	12-09-71	3,860	8.2	7.0	1,100	390	710	3,090	3,000	230
147-095-22BBB	125TGRV	965	11-01-90	2,980	8.1	15.0	21	--	1,740	--	--	4.2
147-095-24AAC	211FXHL	1,580	07-13-72	2,070	8.4	24.0	6	0	940	1,290	1,250	2.0
147-095-26BBB1	211FXHL	1,850	12-08-71	2,270	8.2	--	15	0	960	1,380	1,350	3.4

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
146-093-24DCC1	16	34	34	1.0	2.3	110	0	110	0.0	0.5	24	0.23	--
146-093-26CBB	45	62	30	2.0	13	53	0	190	32	.7	23	43	--
146-093-27CCC	44	73	27	2.0	5.6	340	0	300	5.2	.4	12	.23	--
146-093-28AAA2	44	40	17	.8	4.7	450	0	150	2.0	.6	14	.23	--
146-093-28DDB1	15	100	60	4.0	4.6	310	0	130	2.1	.2	18	.23	--
146-094-05CBD	3.2	730	98	64	2.8	1,660	0	10	210	1.6	10	.23	--
146-094-08DAC1	100	690	61	10	10	1,060	0	1,500	17	1.7	19	10	--
146-094-08DAD1	2.6	910	98	76	3.4	1,980	21	10	270	.6	11	.23	--
146-094-24DDD2	16	53	46	2.0	2.3	250	0	46	1.6	.2	14	.56	--
147-087-04ABA	3.5	640	97	49	4.1	1,150	15	430	8.4	.2	15	--	--
147-090-22CCC	54	330	63	7.0	8.5	490	--	700	5.0	--	17	--	--
147-090-25ABC	18	930	93	34	5.6	1,200	14	1,200	17	.6	13	--	--
147-091-25DCC	49	900	86	22	8.0	--	--	1,500	8.4	.8	8.5	--	--
147-091-26CCD	120	230	26	3.0	10	750	0	1,300	21	.5	20	5.9	--
147-091-28ACC	4.0	940	98	72	4.5	--	--	<1.0	210	1.0	8.5	--	--
147-091-29BCA	3.8	970	98	71	4.1	2,400	0	8.5	160	1.8	6.7	.23	--
147-092-03CDC2	1.4	750	99	80	2.4	--	--	<1.0	280	1.4	12	--	--
147-093-03DBB	11	1,100	97	56	4.4	1,510	86	920	11	1.0	26	.56	--
147-093-29DCA	3.7	900	98	75	3.3	2,360	0	4.9	31	2.3	5.8	.23	--
147-094-26BCB	.6	600	99	87	1.9	1,230	0	1.7	210	5.7	12	.23	--
147-094-34BAD	.7	560	99	82	1.8	1,190	0	3.7	180	6.5	15	.23	--
147-095-12BCD	2.9	930	99	86	3.4	2,430	0	0	42	2.3	7.4	.23	--
147-095-12CAD	1.0	740	99	90	2.6	1,560	0	100	130	2.3	11	.23	--
147-095-13CCC2	.4	520	99	92	1.9	1,100	26	9.5	150	6.1	15	.23	--
147-095-13CCC3	.3	520	99	93	2.0	--	--	<1.0	160	5.7	15	--	--
147-095-14AAA	2.0	750	99	80	2.5	1,570	0	94	140	2.3	11	.23	--
147-095-14CBB1	130	630	55	8.0	7.8	870	0	1,700	7.4	.4	13	.23	--
147-095-22BBB	2.4	850	99	82	4.5	--	--	<1.0	44	3.3	9.1	--	--
147-095-24AAC	.2	520	99	94	1.6	1,110	14	100	82	5.9	15	.23	--
147-095-26BBB1	1.6	560	99	63	1.7	1,170	0	19	190	4.9	16	.14	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
148-087-07AAA1	112WSLD	16	05-13-68	621	8.2	7.5	340	24	--	385	375	95
148-087-07AAA1	112WSLD	16	09-21-88	1,490	9.4	8.0	670	--	--	853	699	180
148-087-07AAA2	112WSLD	278	08-05-68	1,360	8.0	--	320	0	480	924	933	65
148-087-11DDD	112OTSH	13	10-11-66	570	8.2	12.0	290	19	--	346	342	64
148-087-13BBB	112WSLD	278	07-30-68	1,470	8.0	--	400	0	--	999	987	81
148-087-13DDD	112WSLD	305	10-30-69	1,450	8.0	6.0	320	--	--	962	978	66
148-087-24BCD	125SNLB	61	09-16-66	4,020	7.8	5.5	1,700	1,100	--	2,530	3,220	210
148-087-27ADA	125TGRV	135	09-16-66	2,290	8.5	6.0	14	0	--	1,430	1,500	4.0
148-087-27DDA	125TGRV	228	09-16-66	2,810	8.5	10.0	25	0	--	1,800	2,300	7.2
148-088-02DDA	112WSLD	232	06-09-65	1,420	7.9	--	280	0	--	923	916	--
148-088-02DDA	112WSLD	232	05-05-67	1,450	7.7	8.0	190	0	690	873	910	20
148-088-02DDB	112WSLD	215	05-05-67	1,470	8.3	9.0	320	0	710	948	939	81
148-088-18AAA	125TGRV	502	07-27-92	3,220	8.1	13.0	21	--	--	--	--	3.6
148-088-21DBD	125SNLB	220	11-08-90	1,220	7.4	10.5	17	--	390	793	--	3.1
148-090-07DCC	125TGRV	330	07-28-92	2,020	8.8	11.0	8	--	--	1,260	--	1.5
148-090-16ABC	125TGRV	290	11-08-90	2,110	8.8	11.5	12	--	750	1,380	--	1.8
148-090-25BC	211FXHL	1,281	11-16-67	2,500	8.5	15.5	13	0	--	1,520	--	3.8
148-090-26ABB2	125TGRV	126	10-13-66	3,140	8.5	9.0	35	0	870	2,160	2,200	6.7
148-092-06AAD	125SNLB	210	10-31-90	585	7.2	12.0	280	--	290	353	--	61
148-092-06BCA	125SNLB	89	08-02-72	719	7.6	9.5	170	0	360	448	450	40
148-092-06BDB	125SNLB	98	08-02-72	888	7.3	9.5	380	0	400	563	561	69
148-092-23ABB	125TGRV	285	08-04-92	3,670	8.5	15.0	46	--	--	2,520	--	9.3
148-092-23CCA	125SNLB	23	08-09-73	1,530	8.0	--	420	0	460	1,050	1,100	95
148-092-35BDA	125SNLB	65	08-03-72	4,010	7.4	--	2,500	2,100	440	3,790	4,320	510
148-093-04CAB1	125TGRV	340	11-07-73	4,250	8.4	9.0	24	0	1,020	3,050	3,070	5.6
148-093-04CBD	125TGRV	480	11-07-73	3,680	8.8	8.0	50	0	2,060	2,370	2,380	9.9
148-093-10CCC	125SNLB	109	08-01-74	3,880	8.1	8.0	380	0	760	2,980	2,890	87
148-093-14CDC	125SNLB	63	08-01-74	5,270	8.3	8.5	92	0	990	3,850	3,900	17
148-093-17BBD	125SNLB	160	08-01-72	1,310	7.5	--	690	270	420	901	944	100
148-094-13BBD	125SNLB	30	07-28-72	1,090	7.5	11.0	560	150	410	716	769	120

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
148-087-07AAA1	24	7.4	5	0.2	4.4	380	0	40	2.5	0.2	23	--	--
148-087-07AAA1	54	87	22	1.0	14	--	--	220	11	<.1	27	--	--
148-087-07AAA2	38	200	57	5.0	9.0	580	0	290	6.3	.4	24	0.07	--
148-087-11DDD	31	13	9	.3	3.5	330	0	42	2.1	.2	29	--	--
148-087-13BBB	48	200	51	4.0	9.0	600	0	340	3.0	.3	23	--	--
148-087-13DDD	38	210	58	5.0	6.8	570	--	330	--	.4	31	--	--
148-087-24BCD	280	380	33	4.0	13	650	0	1,100	230	.2	15	--	--
148-087-27ADA	1.0	560	98	65	7.5	1,190	27	220	7.0	.6	11	--	--
148-087-27DDA	1.7	750	98	65	7.5	1,800	50	44	41	.8	12	--	--
148-088-02DDA	--	280	--	7.0	--	910	0	140	1.0	--	--	--	--
148-088-02DDA	33	230	72	7.0	6.3	840	0	130	4.0	.3	26	--	--
148-088-02DDB	28	240	62	6.0	6.1	800	33	130	3.4	.3	29	--	--
148-088-18AAA	2.8	810	99	78	3.4	--	--	<.1	150	1.8	6.2	--	--
148-088-21DBD	2.3	280	97	29	3.8	--	--	230	4.9	.1	16	--	--
148-090-07DCC	1.1	460	99	70	2.9	--	--	320	11	1.2	14	--	--
148-090-16ABC	1.7	520	99	67	2.2	--	--	360	2.1	2.5	17	--	--
148-090-25BC	.9	650	99	77	2.5	1,180	19	.5	250	4.6	11	--	--
148-090-26ABB2	4.5	770	98	56	4.1	990	35	830	2.6	2.2	8.7	--	--
148-092-06AAD	31	20	13	.5	2.3	--	--	30	.5	.2	16	--	--
148-092-06BCA	17	110	58	4.0	3.4	430	0	53	0	.2	9.9	.23	--
148-092-06BDB	50	59	25	1.0	4.7	490	0	120	2.4	.2	13	.52	--
148-092-23ABB	5.5	910	98	58	3.8	--	--	970	5.6	1.5	14	--	--
148-092-23CCA	44	200	51	4.0	5.2	570	0	400	5.6	.4	13	.23	--
148-092-35BDA	300	240	17	2.0	10	540	0	2,400	22	.3	17	10	--
148-093-04CAB1	2.4	1,100	99	98	3.1	1,180	30	1,300	6.4	1.0	17	.11	--
148-093-04CBD	6.2	1,000	98	61	3.5	2,230	140	12	85	3.0	9.6	.23	--
148-093-10CCC	40	860	83	19	5.4	930	0	1,500	7.5	.9	15	.23	--
148-093-14CDC	12	1,300	97	59	3.7	1,190	7	1,900	8.3	.4	17	.23	--
148-093-17BBD	100	53	14	.9	3.2	510	0	370	0	.1	5	.23	--
148-094-13BBD	64	43	14	.8	2.2	500	0	210	5.3	.2	24	.23	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
148-094-14AAB	125TGRV	300	08-04-92	2,710	8.6	14.0	39	--	--	1,860	--	8.2
148-094-20DDD	112TILL	134	10-12-50	1,490	8.0	--	300	0	480	1,050	1,050	74
148-095-03AAA	125TGRV	247	10-31-90	2,290	8.8	12.5	11	--	690	1,540	--	2.4
148-095-12DCC2	125SNLB	51	08-03-92	970	8.4	11.5	19	--	--	552	--	4.5
148-095-22CCA	211FXHL	1,430	04-20-72	3,080	8.1	17.0	20	0	1,280	1,900	1,920	5.1
148-095-35BDD	125TGRV	400	07-18-72	3,110	8.1	12.0	22	0	1,890	2,040	2,080	3.9
149-087-02DDC2	125SNLB	100	09-13-66	742	8.2	7.0	360	26	--	447	439	75
149-087-05CDC	125SNLB	87	09-13-66	1,010	8.3	9.0	310	0	--	660	651	58
149-087-06AAA	125SNLB	44	10-19-77	797	8.0	--	430	94	340	535	561	130
149-087-08ABB1	125TGRV	220	09-13-66	2,220	8.4	10.0	11	0	--	1,470	1,450	3.2
149-087-09DAD	125SNLB	140	09-14-66	1,390	8.2	6.0	330	0	--	937	806	59
149-087-32CCC	112WSLD	358	07-28-68	2,000	8.0	--	450	0	--	1,420	1,420	94
149-088-11DAA2	125SNLB	200	07-27-92	1,720	7.5	9.0	140	--	--	1,090	--	27
149-088-23DAA	125SNLB	70	11-08-90	670	7.8	10.5	360	--	330	378	--	86
149-088-26BAB	112WSLD	260	08-06-92	1,930	7.1	10.5	350	--	--	1,300	--	76
149-089-01BDA	112WSLD	260	11-07-90	2,530	7.9	10.0	120	--	640	1,820	--	26
149-089-02BBB	112WSLD	263	10-03-69	3,240	8.1	6.0	290	--	--	2,340	2,250	64
149-089-03BBD	112WSLD	230	11-07-90	2,110	7.4	10.0	640	--	600	1,660	--	130
149-089-03DAA	112WSLD	220	11-07-90	3,160	7.8	9.5	260	--	720	2,240	--	59
149-089-10BBC	112BGFV	18	05-14-68	4,450	8.0	8.5	1,400	750	--	3,880	3,810	250
149-089-10CBB3	112WSLD	135	11-07-90	1,010	7.6	9.0	500	--	420	685	--	120
149-089-11BBB1	112WSLD	21	06-01-67	843	7.8	11.0	380	48	--	513	499	100
149-089-11CBB2	125TGRV	280	07-28-92	2,810	7.8	9.5	41	--	--	1,840	--	8.2
149-089-14CBB	211FXHL	1,370	07-27-92	2,590	8.5	10.5	11	--	--	--	--	3.2
149-089-17BAD	125SNLB	160	07-27-92	1,800	6.9	10.0	420	--	--	1,210	--	91
149-089-23CCC1	125SNLB	142	10-13-66	1,750	8.3	10.0	940	370	580	1,180	1,320	180
149-089-24AAA	112WSLD	172	07-14-70	2,030	7.6	7.5	290	--	--	1,400	1,380	54
149-089-24AAA	112WSLD	172	09-22-88	2,070	7.9	8.5	240	--	--	1,480	1,450	36
149-089-36BBB1	125SNLB	130	05-04-67	811	7.3	8.5	270	0	--	498	453	56
149-090-11ADA2	125TGRV	199	10-12-66	2,010	8.7	11.0	11	0	780	1,320	1,340	2.3

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
148-094-14AAB	4.5	680	97	47	3.0	--	--	660	8.9	2.6	12	--	--
148-094-20DDD	28	250	64	6.0	4.6	580	--	380	2.0	.6	23	0.34	--
148-095-03AAA	1.3	550	99	71	1.9	--	--	530	9.4	.5	8.1	--	--
148-095-12DCC2	1.9	200	95	20	1.6	--	--	100	3.2	.4	8.8	--	--
148-095-22CCA	1.8	780	99	76	2.8	1,560	0	30	290	2.7	11	.23	--
148-095-35BDD	3.0	860	99	80	3.4	2,300	0	0	24	3.0	7.9	.23	--
149-087-02DDC2	42	30	15	.7	6.1	410	0	69	3.8	.3	21	--	--
149-087-05CDC	39	120	45	3.0	7.4	440	7	190	2.3	.3	18	--	--
149-087-06AAA	26	11	5	.2	5.9	410	0	79	11	<.1	25	9.9	--
149-087-08ABB1	.7	560	99	74	2.6	850	16	460	3.4	.6	9.2	--	--
149-087-09DAD	45	210	58	5.0	8.8	570	0	310	6.7	.1	15	--	--
149-087-32CCC	53	310	59	6.0	9.1	630	0	620	5.1	.5	24	--	--
149-088-11DAA2	17	330	83	12	5.2	--	--	300	9.0	.9	22	--	--
149-088-23DAA	34	3.7	2	.1	4.4	--	--	11	6.6	.2	25	--	0.18
149-088-26BAB	39	320	66	7.0	7.2	--	--	480	6.4	.7	26	--	--
149-089-01BDA	12	590	91	24	7.2	--	--	750	12	1.6	27	--	--
149-089-02BBB	32	690	83	18	8.5	930	--	1,000	18	.8	31	--	--
149-089-03BBD	75	300	50	5.0	10	--	--	730	6.4	.1	32	--	--
149-089-03DAA	26	660	84	18	8.5	--	--	1,000	15	.8	27	--	.07
149-089-10BBC	190	730	53	8.0	8.8	800	0	2,300	4.3	0	23	--	--
149-089-10CBB3	48	44	16	.9	6.8	--	--	160	7.7	.3	29	--	--
149-089-11BBB1	29	41	19	.9	3.9	410	0	77	35	.2	23	--	--
149-089-11CBB2	4.9	650	97	44	4.1	--	--	670	16	.8	21	--	--
149-089-14CBB	.7	600	99	79	2.4	--	--	<.1	220	5.2	10	--	--
149-089-17BAD	46	250	56	5.0	6.1	--	--	440	14	.4	18	--	--
149-089-23CCC1	120	61	12	.9	7.4	650	27	450	4.8	.2	20	--	--
149-089-24AAA	37	390	74	10	5.9	670	--	540	7.0	1.3	26	--	--
149-089-24AAA	36	410	78	12	5.6	--	--	630	7.7	.4	28	--	--
149-089-36BBB1	32	83	39	2.0	6.1	450	0	78	2.0	.4	17	--	--
149-090-11ADA2	1.3	510	99	67	2.3	880	35	320	3.2	.8	8.4	--	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
149-090-12DAD	125SNLB	108	07-27-92	1,570	7.3	12.5	190	--	--	1,020	--	36
149-090-12DDD	--	118	07-27-92	2,020	7.4	11.0	130	--	--	1,250	--	26
149-092-22CDC	125SNLB	40	08-02-72	772	7.5	9.0	240	0	290	482	467	45
149-093-02ACB	125TGRV	647	08-29-72	2,230	8.0	10.0	6	0	900	1,460	1,460	2.2
149-093-05CDC	125SNLB	84	08-28-72	2,620	8.2	9.0	12	0	940	1,780	1,760	2.8
149-093-08DCC	125TGRV	500	08-17-72	3,010	8.1	--	18	0	920	2,040	2,040	3.0
149-093-09CCC	125TGRV	440	10-31-90	2,840	8.6	14.5	13	--	880	1,970	--	2.4
149-093-09CCD	125SNLB	65	08-18-72	3,310	7.1	--	880	420	460	2,600	2,650	220
149-093-21DCA	125SNLB	35	08-17-72	652	7.4	10.0	230	44	190	412	420	51
149-093-27ABA	125SNLB	65	08-17-72	696	7.6	--	360	18	340	416	418	78
149-094-14BA	211HCFH	1,745	06-04-79	2,950	8.4	15.0	18	0	1,010	2,190	2,150	6.2
149-094-28AAA1	125TGRV	295	08-03-92	5,610	8.2	14.5	66	--	--	4,130	--	10
149-094-28AAA2	125SNLB	120	08-03-92	2,010	7.1	13.0	360	--	--	1,400	--	67
149-095-06ACC	125TGRV	883	08-19-82	2,950	8.7	11.5	29	--	--	1,900	1,830	7.5
149-095-06ADDB	125SNLB	80	10-31-90	893	7.2	9.5	160	--	380	606	--	34
149-095-09CDD	211FXHL	1,564	06-23-86	2,800	--	10.0	6	--	--	1,470	1,410	2.0
150-087-31DCD	125SNLB	88	10-19-77	665	8.3	--	210	0	230	438	405	43
150-088-18ADD1	125SNLB	58	10-11-66	1,630	8.5	8.0	7	0	--	1,070	1,070	1.6
150-088-29DAD	125TGRV	250	07-27-92	1,840	8.6	10.0	18	--	--	1,130	--	3.3
150-088-33ADD	--	192	11-08-90	1,030	7.9	9.0	99	--	370	646	--	18
150-089-06BBC	125SNLB	117	11-08-90	1,500	7.4	8.5	740	--	280	964	--	160
150-089-14ADD	125SNLB	56	11-07-90	1,250	7.3	10.0	320	--	380	874	--	62
150-089-26BCC	125SNLB	45	10-11-66	3,350	8.5	6.5	49	0	--	2,330	2,360	10
150-089-31BCC	112WSLD	278	07-27-70	1,980	7.9	7.5	460	--	--	1,410	1,350	99
150-089-31BCC	112WSLD	278	09-22-88	2,100	8.1	8.0	480	--	--	1,420	1,410	98
150-089-31DAA	112WSLD	126	11-07-90	861	7.3	10.5	420	--	560	685	--	100
150-089-32DAA	112WSLD	224	10-24-69	1,490	8.0	4.0	360	--	--	1,030	983	91
150-089-32DAA	112WSLD	224	09-22-88	1,610	8.0	8.0	490	--	--	1,060	1,000	97
150-090-19ADB	112WSLD	82	11-07-90	1,580	7.0	10.5	630	--	650	1,230	--	160
150-090-21CBB	112WSLD	246	10-12-66	1,730	8.4	--	500	0	580	1,180	1,220	98

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
149-090-12DAD	24	280	76	9.0	6.2	--	--	350	8.3	0.5	21	--	--
149-090-12DDD	15	380	86	15	4.4	--	--	420	21	.7	20	--	--
149-092-22CDC	32	81	41	2.0	3.6	360	0	130	0	.2	6.3	0.23	--
149-093-02ACB	.2	560	99	96	3.1	1,100	0	330	3.6	2.7	15	.23	--
149-093-05CDC	1.2	660	99	83	1.4	1,140	0	530	3.7	1.7	16	.38	--
149-093-08DCC	2.6	740	99	76	1.9	1,120	0	710	1.6	1.4	18	.56	--
149-093-09CCC	1.6	690	99	85	2.3	--	--	690	21	1.1	18	--	--
149-093-09CCD	79	510	55	7.0	5.5	560	0	1,500	13	.2	11	.23	--
149-093-21DCA	26	55	34	2.0	2.3	230	0	150	0	.1	7.9	.45	--
149-093-27ABA	39	23	12	.5	2.8	410	0	58	0	.2	12	.23	--
149-094-14BA	.6	820	99	84	3.3	1,230	0	550	180	3.3	18	.23	--
149-094-28AAA1	10	1,500	98	80	4.6	--	--	1,800	8.3	1.4	18	--	--
149-094-28AAA2	46	360	68	8.0	4.8	--	--	570	13	.7	17	--	--
149-095-06ACC	2.5	800	98	65	6.3	--	--	7.8	42	1.3	9.2	.23	--
149-095-06ADDB	19	160	67	5.0	3.7	--	--	120	14	.2	13	--	--
149-095-09CDD	.3	590	99	100	3.9	--	--	0	260	5.2	1.0	--	--
150-087-31DCD	25	73	43	2.0	3.6	280	0	120	6.2	.1	27	.23	--
150-088-18ADD1	.7	380	99	62	1.4	440	33	410	12	.2	18	--	--
150-088-29DAD	2.4	410	98	42	2.8	--	--	270	10	2.9	13	--	--
150-088-33ADD	13	200	81	9.0	4.8	--	--	160	3.7	.5	17	--	--
150-089-06BBC	82	27	7	.4	7.9	--	--	390	110	.2	15	--	--
150-089-14ADD	39	170	53	4.0	5.5	--	--	320	12	.3	23	--	--
150-089-26BCC	5.8	810	97	51	4.3	1,020	25	950	12	1.0	9.6	--	--
150-089-31BCC	52	310	59	6.0	7.5	700	--	560	5.9	.5	27	--	--
150-089-31BCC	58	310	58	6.0	7.6	--	--	590	5.6	.4	29	--	--
150-089-31DAA	41	29	13	.6	7.7	--	--	130	4.6	<.1	26	--	--
150-089-32DAA	33	210	55	5.0	7.0	550	--	380	--	.4	31	--	--
150-089-32DAA	59	210	48	4.0	6.6	--	--	370	4.0	.3	29	--	--
150-090-19ADB	55	130	31	2.0	6.8	--	--	440	6.7	<.1	27	--	--
150-090-21CBB	61	230	50	5.0	6.7	670	20	410	4.8	.5	27	--	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
150-090-25DAA2	125SNLB	225	10-13-66	1,630	8.4	--	460	0	570	1,100	1,130	100
150-090-36AAA	112WSLD	299	07-28-70	2,310	7.9	10.0	300	--	--	1,610	1,520	66
150-090-36AAA	112WSLD	299	09-22-88	2,510	8.2	8.0	320	--	--	1,590	2,070	59
150-091-35CCA	125SNLB	126	11-08-50	1,440	7.3	10.0	510	0	610	988	986	130
150-092-12BBDA	125SNLB	120	10-30-90	1,810	6.8	11.0	570	--	420	1,370	--	120
150-093-31ADD	125TGRV	336	08-28-72	2,530	8.2	9.0	11	0	910	1,680	1,690	2.7
150-093-33CAA	125TGRV	388	08-28-72	2,320	8.3	10.5	11	0	880	1,520	1,540	2.2
150-094-19DDDA	125TGRV	830	10-31-90	2,960	8.2	15.5	17	--	1,640	--	--	4.0
150-095-14DCB	125SNLB	35	07-10-79	1,180	7.3	9.5	450	0	460	918	914	91
150-095-29CAC	125SNLB	240	07-10-79	4,100	7.2	11.0	88	0	1,210	3,380	3,260	21
151-088-01ABA2	125SNLB	200	07-29-92	3,980	7.2	9.0	1,000	--	--	3,040	--	170
151-088-08AAA	125SNLB	120	11-01-77	4,560	8.2	--	1,200	540	670	3,990	3,980	240
151-088-33BBA	125SNLB	160	06-06-68	3,000	8.3	8.0	38	0	--	2,150	2,070	6.4
151-089-04ABD	125TGRV	226	05-15-67	5,410	8.2	8.0	69	0	--	4,030	3,870	15
151-090-11AAB	--	124	07-28-92	2,340	7.1	9.0	590	--	--	1,660	--	91
151-090-16BAB	125SNLB	165	06-06-68	1,930	8.1	7.0	61	0	--	1,300	1,280	14
151-090-19BAA	125TGRV	241	07-28-92	2,490	8.6	11.5	10	--	--	1,550	--	2.1
151-090-25BAA	125SNLB	175	07-29-92	1,060	8.2	8.0	7	--	--	676	--	1.3
151-090-29BBC	211FXHL	1,620	11-06-90	2,900	8.4	10.5	14	--	990	--	--	4.0
151-090-36DDA	125SNLB	115	04-20-67	784	8.0	7.0	420	73	--	486	494	84
151-091-11BBB2	--	120	07-28-92	2,690	7.1	9.0	340	--	--	1,880	--	74
151-091-11CDD	125TGRV	173	11-06-90	2,910	8.3	9.5	15	--	1,470	1,890	--	2.7
151-091-11CDD	125TGRV	173	07-28-92	3,150	8.3	10.5	14	--	--	1,980	--	2.8
151-091-12BBA1	125TGRV	198	11-06-90	1,520	8.0	11.0	9	--	610	973	--	1.8
151-092-28ABAB	125TGRV	200	10-30-90	2,630	8.2	10.5	24	--	1,140	1,840	--	5.0
151-092-30ADD	112SANISH	210	08-05-92	1,460	7.2	11.0	480	--	--	1,010	--	110
151-092-34DAA	112SANISH	138	09-02-66	727	8.1	8.5	280	0	--	459	459	88
151-093-02ADCA	125SNLB	185	07-30-92	1,580	6.8	10.0	660	--	--	1,150	--	180
151-093-10AAAB	125TGRV	421	10-30-90	2,760	8.6	14.5	14	--	890	1,990	--	4.0
151-093-14DBAD	125TGRV	190	07-29-92	3,160	8.5	12.0	13	--	--	2,280	--	3.0

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
150-090-25DAA2	51	210	50	4.0	5.5	640	26	370	3.0	0.3	18	--	--
150-090-36AAA	34	450	76	11	7.4	810	--	620	8.8	.6	24	--	--
150-090-36AAA	42	470	76	11	6.7	--	--	580	5.0	1.3	27	--	--
150-091-35CCA	46	150	39	3.0	7.2	740	--	240	9.0	.4	27	1.3	--
150-092-12BBDA	65	230	47	4.0	5.5	--	--	670	5.8	.2	16	--	--
150-093-31ADD	1.1	630	99	82	1.7	1,110	0	480	4.8	1.8	14	.56	--
150-093-33CAA	1.3	580	99	76	1.3	1,050	13	400	3.1	2.5	9.5	.20	--
150-094-19DDDA	1.5	810	99	88	2.9	--	--	<1.0	140	1.4	9.2	--	--
150-095-14DCB	54	160	43	3.0	3.8	560	0	320	4.7	.1	5.3	.23	--
150-095-29CAC	8.6	1,200	97	56	5.3	1,480	0	1,400	4.2	.1	9.9	.23	--
151-088-01ABA2	150	640	57	9.0	11	--	--	1,400	32	2.8	20	--	--
151-088-08AAA	150	850	60	11	15	820	0	2,300	17	.1	14	.23	--
151-088-33BBA	5.4	740	97	52	8.7	830	7	960	3.2	.8	8.5	--	--
151-089-04ABD	7.7	1,400	98	73	4.3	1,490	0	1,800	51	.4	6.6	--	--
151-090-11AAB	87	320	54	6.0	8.1	--	--	750	87	1.0	15	--	--
151-090-16BAB	6.3	480	94	27	6.0	1,010	0	270	1.4	.2	24	--	--
151-090-19BAA	1.1	600	99	84	3.0	--	--	290	15	1.6	6.6	--	--
151-090-25BAA	.9	250	98	42	2.6	--	--	120	9.0	.8	10	--	--
151-090-29BBC	1.0	720	99	84	2.0	--	--	<1.0	330	3.2	13	--	--
151-090-36DDA	50	16	8	.3	5.9	420	0	100	1.4	.1	17	--	--
151-091-11BBB2	38	500	76	12	7.8	--	--	750	74	2.2	27	--	--
151-091-11CDD	1.9	790	99	90	2.6	--	--	170	17	1.1	8.1	--	--
151-091-11CDD	1.7	770	99	90	6.5	--	--	410	27	1.9	7.8	--	--
151-091-12BBA1	1.1	390	99	56	1.4	--	--	180	7.9	.5	18	--	--
151-092-28ABAB	2.7	710	98	64	2.7	--	--	370	23	.3	19	--	--
151-092-30ADD	51	160	41	3.0	7.3	--	--	270	2.7	.3	40	--	--
151-092-34DAA	15	55	29	1.0	9.5	450	0	37	.7	.2	25	--	--
151-093-02ADCA	52	130	30	2.0	4.0	--	--	360	14	.2	22	--	--
151-093-10AAAB	1.0	730	99	85	1.7	--	--	680	14	1.6	8.1	--	--
151-093-14DBAD	1.3	790	99	96	2.4	--	--	840	91	8.4	8.9	--	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
151-093-16BCD	112SANISH	150	06-06-68	1,530	7.8	--	370	0	--	1,060	1,040	110
151-093-21ADD	112SANISH	290	08-05-92	1,750	7.2	14.0	440	--	--	1,230	--	100
151-093-24DCC	112SANISH	145	08-05-92	1,960	7.6	11.5	900	--	--	1,640	--	210
151-093-27BBB	112SANISH	240	08-05-92	3,640	7.2	17.0	580	--	--	2,690	--	120
151-093-28DDD2	--	97	07-29-92	4,740	6.7	9.5	2,100	--	--	4,240	--	320
151-093-35BBB2	125TGRV	298	10-30-90	2,740	8.2	12.0	11	--	1,590	1,820	--	2.1
151-095-04DBD2	211FXHL	1,432	06-18-84	--	--	--	8	--	--	1,470	1,500	2.5
151-095-29BCB	125SNLB	80	06-14-79	5,000	6.7	9.5	1,800	1,400	440	4,230	4,560	380
151-095-36BBA	125CBLD	882	08-19-82	3,950	8.6	11.0	34	--	--	2,640	2,920	6.0
152-087-16AAA	112VANG	17	08-09-66	892	8.0	9.5	440	78	--	587	584	100
152-087-17CCC	112BDVL	117	07-01-66	5,100	7.5	9.5	2,200	1,400	870	4,580	--	510
152-087-18DDD	112VANG	117	09-29-88	5,140	7.4	7.0	2,200	--	--	4,630	4,830	500
152-087-18DDD	112VANG	117	08-05-92	--	7.8	--	2,300	--	--	4,530	4,520	490
152-087-28DAA	112HDLK	150	06-01-65	6,080	8.1	6.5	990	140	--	4,800	4,740	220
152-087-28DAA	112HDLK	150	06-29-71	5,980	7.8	6.0	1,000	210	790	4,840	4,960	190
152-087-28DAA	112HDLK	150	09-29-88	5,860	7.7	7.0	1,100	--	--	5,020	4,780	200
152-087-28DAA	112HDLK	150	08-05-92	--	--	--	980	--	--	4,810	4,760	180
152-087-29BAA	125TGRV	254	04-30-64	6,270	8.0	7.0	90	0	--	4,660	4,740	18
152-088-04BBB	125SNLB	90	04-25-67	2,290	8.0	7.0	300	0	--	1,560	1,560	58
152-088-04BDA	125SNLB	102	11-09-90	3,200	7.5	9.5	78	--	880	2,060	--	15
152-088-05DAD2	125TGRV	240	11-09-90	4,270	8.5	9.0	28	--	1,160	2,880	--	4.5
152-088-28BBB2	125TGRV	190	07-30-92	4,570	7.4	8.0	270	--	--	3,390	--	46
152-089-05BAC	125SNLB	119	07-13-67	1,470	7.5	7.0	58	0	--	979	1,010	16
152-089-05BACB	125SNLB	115	11-08-90	1,540	7.4	8.5	29	--	460	999	--	4.6
152-089-19BCCC	125TGRV	147	07-29-92	3,680	8.2	9.0	21	--	--	2,660	--	4.6
152-089-23CCC	112BDVL	47	11-01-77	4,290	8.7	--	340	0	750	3,340	3,390	71
152-089-28DCD	125TGRV	72	07-28-92	2,040	6.8	10.5	840	--	--	1,510	--	220
152-089-29CCC5	125TGRV	38	11-06-90	4,280	7.2	8.5	920	--	740	3,390	--	200
152-089-29DAD	--	--	07-01-62	--	7.6	--	340	--	--	--	2,320	--
152-089-30DDB	--	--	07-01-62	--	8.5	--	220	0	650	--	--	20

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogan, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
151-093-16BCD	25	230	57	5.0	8.6	790	0	250	1.2	0.7	38	--	--
151-093-21ADD	45	250	55	5.0	12	--	--	440	13	.8	33	--	--
151-093-24DCC	90	260	38	4.0	12	--	--	630	5.7	.2	40	--	--
151-093-27BBB	68	720	73	13	7.8	--	--	1,200	8.4	1.2	22	--	--
151-093-28DDD2	310	490	34	5.0	9.2	--	--	2,800	20	1.9	10	--	--
151-093-35BBB2	1.3	790	99	110	1.9	--	--	15	27	3.0	7.7	--	--
151-095-04DBD2	.5	600	99	91	4.1	--	--	2.9	250	5.8	15	--	--
151-095-29BCB	210	750	47	8.0	9.4	530	0	1,900	700	.1	15	0.09	--
151-095-36BBA	4.5	980	98	74	9.3	--	--	800	120	1.6	3.2	--	--
152-087-16AAA	45	39	16	.8	5.2	440	0	150	4.6	.2	29	--	--
152-087-17CCC	230	610	37	6.0	13	1,060	0	2,600	44	.2	33	.16	--
152-087-18DDD	240	610	37	6.0	12	--	--	2,700	35	.1	24	--	--
152-087-18DDD	250	600	36	6.0	15	--	--	2,600	37	.1	19	--	--
152-087-28DAA	110	1,200	73	17	15	1,030	0	2,700	67	.4	14	--	--
152-087-28DAA	130	1,300	73	17	8.6	970	0	2,700	67	.4	17	2.2	--
152-087-28DAA	150	1,300	71	17	11	--	--	2,800	66	.3	17	--	--
152-087-28DAA	130	1,200	72	17	13	--	--	2,700	66	.3	14	--	--
152-087-29BAA	11	1,600	97	72	5.7	1,300	0	2,300	57	1.0	7	--	--
152-088-04BBB	37	460	76	12	8.5	920	0	520	13	.2	11	--	--
152-088-04BDA	9.7	760	95	38	6.1	--	--	700	13	.3	12	--	--
152-088-05DAD2	4.0	1,100	99	91	3.5	--	--	1,000	31	2.3	17	--	0.5
152-088-28BBB2	37	1,100	90	29	10	--	--	1,600	40	6.3	23	--	--
152-089-05BAC	4.4	360	93	21	3.7	740	0	210	3.1	.2	17	--	--
152-089-05BACB	4.2	350	96	28	3.7	--	--	320	8.4	.2	18	--	--
152-089-19BCCC	2.4	940	99	88	2.9	--	--	860	100	1.3	14	--	--
152-089-23CCC	40	1,000	86	24	9.6	870	25	1,700	42	.2	21	.23	--
152-089-28DCD	71	140	26	2.0	6.7	--	--	740	50	.3	25	--	--
152-089-29CCC5	100	770	64	11	11	--	--	1,800	12	.2	29	--	--
152-089-29DAD	--	--	--	--	--	--	--	1,000	28	--	--	--	--
152-089-30DDB	41	740	--	22	--	790	--	1,100	20	--	--	--	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
152-089-31BBB	--	30	07-01-62	--	--	--	260	--	--	--	2,950	--
152-089-34ABB	--	120	11-06-90	1,880	6.9	9.0	930	--	550	1,310	--	260
152-089-35DDD	--	90	07-13-67	5,190	7.5	7.0	3,300	2,800	--	4,440	5,460	780
152-090-02CDD	125TGRV	225	07-13-67	2,410	7.5	7.0	660	0	--	1,810	1,900	140
152-090-08ACD	--	--	07-01-62	--	7.6	--	250	0	610	--	1,390	--
152-090-09BCC	--	65	10-19-77	2,380	8.4	--	250	0	670	1,630	1,630	52
152-090-13CCC1	125SNLB	66	07-13-67	1,770	7.7	8.5	980	630	--	1,060	1,370	270
152-090-17CDC	--	90	11-06-90	1,150	7.3	7.5	260	--	520	757	--	58
152-090-18CCC	112SLCK	79	08-02-66	2,640	8.1	8.0	150	0	--	1,880	1,830	35
152-090-18CCC	112SLCK	79	08-10-71	2,800	8.2	7.0	160	0	780	1,960	1,870	38
152-090-18CCC	112SLCK	79	08-06-82	2,400	8.0	7.0	180	--	--	2,030	1,950	46
152-090-21CBC	--	84	10-17-77	2,150	8.4	--	300	0	740	1,480	1,490	62
152-090-25CCC	--	14	07-01-61	--	7.7	--	900	110	800	--	3,020	190
152-090-25DBC2	--	74	06-07-67	2,770	7.9	--	230	0	--	1,970	1,870	63
152-090-25DDC1	125TGRV	--	07-01-52	--	8.2	--	100	0	1,480	--	2,420	--
152-090-25DDC2	--	77	07-01-61	--	7.5	--	230	0	840	--	2,220	--
152-090-26CDD	--	--	07-01-52	--	7.6	--	270	0	690	--	2,040	--
152-090-26DAD	--	59	11-07-90	3,680	7.8	9.0	170	--	940	2,610	--	39
152-090-26DDA	--	55	07-28-76	2,320	8.2	--	140	0	900	2,470	2,450	34
152-090-26DDC	--	21	07-01-52	--	7.6	--	210	0	460	--	1,560	48
152-090-27DDD	--	12	07-01-61	--	7.5	--	350	0	370	--	1,210	--
152-090-36AAA	--	--	07-01-52	--	8.3	--	190	0	810	--	2,900	29
152-091-05DBB3	125SNLB	92	11-06-90	1,400	7.4	7.5	200	--	390	871	--	44
152-091-08DDD	125TGRV	225	06-06-68	1,280	8.7	7.0	4	0	--	817	796	1.0
152-091-32BBA	--	580	11-08-90	3,500	8.3	11.5	14	--	1,890	--	--	3.5
152-092-12DDD	125SNLB	75	10-30-90	1,460	8.0	11.5	52	--	560	993	--	11
152-092-16CDBD	112NWTN	90	10-30-90	664	7.5	10.0	280	--	360	458	--	79
152-092-17DDDA	112NWTN	222	10-29-90	2,240	7.3	12.5	1,200	--	580	1,810	--	320
152-092-18AADD	125TGRV	258	10-29-90	2,290	7.3	11.5	320	--	820	1,640	--	86
152-092-19AAA3	112NWTN	143	12-08-67	1,710	7.7	8.0	570	0	--	1,190	--	160

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
152-089-31BBB	--	--	--	--	--	--	--	960	--	--	--	--	--
152-089-34ABB	68	79	15	1.0	6.5	--	--	520	14	<0.1	26	--	--
152-089-35DDD	340	280	16	2.0	17	650	0	2,500	200	1.3	22	--	--
152-090-02CDD	74	380	56	6.0	6.4	860	0	750	5.5	.3	22	--	--
152-090-08ACD	--	--	--	--	--	740	--	540	6.0	--	--	--	--
152-090-09BCC	29	500	81	14	4.9	790	11	600	11	.2	30	0.23	--
152-090-13CCC1	74	34	7	.5	6.5	430	0	350	100	.3	19	--	--
152-090-17CDC	28	180	60	5.0	3.5	--	--	140	4.8	<.1	28	--	--
152-090-18CCC	14	630	90	23	4.4	930	0	700	7.7	.7	28	--	--
152-090-18CCC	16	630	89	22	4.5	950	0	760	11	.5	27	.23	--
152-090-18CCC	17	660	88	21	8.0	--	--	780	12	.6	27	.23	--
152-090-21CBC	35	440	76	11	4.1	890	8	450	11	.3	29	.23	--
152-090-25CCC	100	540	--	8.0	--	970	--	1,200	20	--	--	--	--
152-090-25DBC2	18	620	85	18	7.7	1,020	0	730	2.3	.5	29	--	--
152-090-25DDC1	--	--	--	--	--	1,800	--	--	180	--	--	--	--
152-090-25DDC2	--	--	--	--	--	1,020	0	850	70	--	--	--	--
152-090-26CDD	--	--	--	--	--	840	--	930	42	--	--	--	--
152-090-26DAD	17	820	91	28	7.0	--	--	1,100	19	.6	27	--	0.03
152-090-26DDA	13	840	93	31	5.5	1,100	0	1,000	7.5	.5	29	.38	--
152-090-26DDC	22	380	--	11	--	560	--	550	5.0	--	--	--	--
152-090-27DDD	--	--	--	--	--	450	--	590	2.0	--	--	--	--
152-090-36AAA	29	790	--	25	--	990	--	1,000	12	--	--	--	--
152-091-05DBB3	22	250	73	8.0	3.1	--	--	250	35	<.1	25	--	--
152-091-08DDD	.4	320	99	69	1.0	650	23	130	1.7	.5	15	--	--
152-091-32BBA	1.3	940	99	110	2.5	--	--	<1.0	110	1.9	8.2	--	--
152-092-12DDD	5.8	350	93	21	2.2	--	--	240	13	<.1	22	--	--
152-092-16CDBD	19	48	27	1.0	6.0	--	--	54	.6	.4	29	--	--
152-092-17DDDA	90	110	17	1.0	13	--	--	880	4.0	.3	27	--	--
152-092-18AADD	25	450	75	11	7.5	--	--	520	11	.5	30	--	--
152-092-19AAA3	39	210	44	4.0	5.4	830	0	340	4.7	.1	25	--	--

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)
152-092-19AAA4	112NWTN	178	10-29-90	1,860	7.0	13.0	560	--	620	1,340	--	150
152-092-19AAB	112NWTN	158	07-19-67	1,570	7.9	--	380	35	--	1,130	1,080	86
152-092-19AAB	112NWTN	158	06-04-85	2,200	7.3	6.0	610	--	--	1,650	1,570	170
152-092-19AAB	112NWTN	158	09-23-87	1,900	8.0	9.5	1,000	--	--	1,350	1,360	270
152-092-20ADD	112NWTN	308	05-20-66	1,990	7.8	9.5	470	--	--	1,450	--	110
152-092-20ADD	112NWTN	308	08-02-66	2,010	8.0	9.5	530	--	--	1,430	--	130
152-092-20BBA	112NWTN	166	09-14-67	1,410	7.7	8.0	390	21	--	1,000	982	92
152-092-20BBB1	112NWTN	180	04-26-67	1,650	7.1	9.0	480	--	--	1,170	--	130
152-092-20BBB1	112NWTN	180	09-21-67	--	--	--	450	0	--	--	1,110	--
152-092-20BBB1	112NWTN	180	09-22-67	1,580	7.8	9.0	450	--	--	1,120	--	120
152-092-20BBB2	112NWTN	168	09-13-67	1,490	7.8	8.5	440	19	--	1,060	1,030	110
152-092-21ADAA	112NWTN	132	10-30-90	5,260	7.5	11.0	780	--	790	4,130	--	210
152-092-22ADCD	112NWTN	100	10-30-90	3,470	7.1	11.0	1,600	--	480	3,180	--	440
152-092-29DDD	112NWTN	118	06-14-67	3,700	8.1	7.0	100	0	--	2,580	2,500	28
152-092-31CCC	112NWTN	48	07-19-67	2,350	8.0	9.0	750	430	--	1,830	1,830	160
152-093-24AADA	125TGRV	109	10-31-90	4,130	6.7	10.0	1,700	--	580	3,360	--	460
152-093-26BCC	211FXHL	1,805	07-06-68	2,490	8.6	14.0	8	0	--	1,550	1,530	2.6
152-093-34DAA2	--	122	07-30-92	2,890	6.6	9.0	1,700	--	--	2,490	--	430
152-094-01CCB	--	1,620	11-01-90	3,070	8.4	13.0	11	--	980	--	--	3.3
152-094-19CBBC	125SNLB	89	11-05-91	3,330	6.7	--	1,900	--	690	--	--	430
152-094-19CCAB1	125SNLB	75	11-05-91	--	7.7	--	120	--	1,580	--	--	36
152-094-19CCCC	125SNLB	86	11-05-91	2,750	7.0	--	1,400	--	510	--	--	330
152-094-19CCDD1	125SNLB	80	11-05-91	--	8.0	--	100	--	2,620	--	--	24
152-095-08CB	--	5,313	07-19-79	8,000	7.6	27.0	41	0	1,690	7,700	7,280	13
152-095-16ADD	125TGRV	696	05-11-83	3,200	9.1	8.5	45	--	--	1,930	1,950	9.0
153-094-23CCC1	211HCFH	1,767	09-25-80	3,000	8.7	10.0	25	0	1,090	1,870	1,900	4.4
153-094-23CCC2	125CBLD	1,434	04-26-83	3,600	8.6	8.0	14	--	--	2,250	2,140	4.0
153-094-23CCC3	125TGRV	895	04-28-83	3,500	8.6	9.0	19	--	--	2,260	2,160	4.5
153-094-32CDBD	211FXHL	1,524	10-31-90	2,870	8.5	17.5	11	--	1,000	--	--	3.0

Table 5. Physical properties and major-ion concentrations in water from wells--Continued

Local number	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrate, dissolved (mg/L as N)	Phosphorus dissolved (mg/L as P)
152-092-19AAA4	44	230	47	4.0	7.2	--	--	480	5.5	<0.1	35	--	--
152-092-19AAB	41	230	56	5.0	6.0	430	0	520	3.5	.1	29	--	--
152-092-19AAB	46	340	54	6.0	7.1	--	--	830	5.7	.2	24	--	--
152-092-19AAB	81	52	10	.7	9.3	--	--	730	17	.1	24	--	--
152-092-20ADD	48	340	60	7.0	14	850	0	490	2.1	--	27	--	--
152-092-20ADD	49	300	54	6.0	15	870	0	480	.6	--	29	--	--
152-092-20BBA	39	190	51	4.0	6.0	450	0	410	1.8	.2	33	--	--
152-092-20BBB1	38	210	48	4.0	6.2	610	0	450	2.9	--	32	--	--
152-092-20BBB1	--	--	--	--	--	--	--	--	--	--	--	--	--
152-092-20BBB1	38	210	51	4.0	6.1	550	0	440	2.9	--	33	--	--
152-092-20BBB2	41	190	48	4.0	7.0	520	0	420	3.2	.2	34	--	--
152-092-21ADAA	62	1,100	75	17	15	--	--	2,200	11	.7	30	--	--
152-092-22ADCD	120	350	32	4.0	15	--	--	1,900	26	.2	29	--	--
152-092-29DDD	8.3	930	95	40	3.8	1,580	0	810	4.2	.1	22	--	--
152-092-31CCC	85	310	47	5.0	7.4	400	0	1,000	9.9	.2	27	--	--
152-093-24AADA	140	440	36	5.0	10	--	--	1,800	110	.4	22	--	--
152-093-26BCC	.4	630	99	97	1.9	1,210	32	3.9	270	5.1	11	--	--
152-093-34DAA2	160	86	10	.9	10	--	--	1,300	83	.5	26	--	--
152-094-01CCB	.6	750	99	99	2.6	--	--	<1.0	450	2.7	15	--	--
152-094-19CBBC	210	180	17	2.0	8.0	--	--	--	--	--	22	--	0.06
152-094-19CCAB1	8.3	730	92	29	5.0	--	--	--	--	--	15	--	.13
152-094-19CCCC	150	150	18	2.0	5.9	--	--	--	--	--	17	--	.06
152-094-19CCDD1	9.7	1,300	96	57	5.0	--	--	--	--	--	14	--	.05
152-095-08CB	2.1	2,900	99	200	12	2,060	0	1,100	2,600	6.3	48	0.23	--
152-095-16ADD	5.5	800	97	52	8.0	--	--	100	99	1.6	3.7	.23	--
153-094-23CCC1	3.4	760	98	66	3.3	1,270	28	8.6	420	4.0	11	.23	--
153-094-23CCC2	1.0	900	99	100	4.9	--	--	0	510	1.3	12	.23	--
153-094-23CCC3	2.0	910	99	90	5.2	--	--	11	70	2.3	9.2	.23	--
153-094-32CDBD	.8	700	99	93	2.2	--	--	<1.0	370	4.2	13	--	--

Table 6. Trace-element concentrations in water from wells

Aquifer code

Pleistocene	
112BDVL	Buried valley deposits
112BGFV	Buried glaciofluvial deposits
112HDLK	Hidden Lake aquifer
112NWTN	New Town aquifer
112OTSH	Outwash deposits
112SANISH	Sanish aquifer
112SLCK	Shell Creek aquifer system
112TILL	Till deposits
112VANG	Vang aquifer
112WSLD	White Shield aquifer
Paleocene	
125SNLB	Sentinel Butte Member of Fort Union Formation
125TGRV	Tongue River Member of Fort Union Formation
Cretaceous	
211FXHL	Fox Hills Sandstone
211HCFH	Hell Creek Formation-Fox Hills Sandstone

Abbreviations and symbols

µg/L, micrograms per liter
--, no data
<, less than
ND, not detected

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Boron, dissolved (µg/L as B)	Cadmium, diasolved (µg/L as Cd)	Chromium, dissolved (µg/L as Cr)	Cobalt, dissolved (µg/L as Co)	Copper, dissolved (µg/L as Cu)	Iron, dissolved (µg/L as Fe)
146-088-30DDD	125TGRV	426	09-19-78	290	--	--	--	--	20
146-090-20CCC	211FXHL	1,574	06-28-68	2,400	--	--	--	--	5,000
146-090-20CCC	211FXHL	1,574	07-09-69	1,700	--	--	--	--	240
146-091-08CAA	125SNLB	170	09-29-71	130	--	--	--	--	0
146-091-13BCA1	125SNLB	200	09-28-71	40	--	--	--	--	6,700
146-091-17CDC	112BGFV	141	07-23-74	160	--	--	--	--	1,600
146-091-17CDC	112BGFV	141	08-23-78	260	--	--	--	--	280
146-091-20DDD1	112BGFV	43	08-11-71	440	--	--	--	--	0
146-091-21CDD1	112BGFV	192	10-27-71	0	--	--	--	--	1,300
146-091-21CDD2	112BGFV	93	10-27-71	40	--	--	--	--	0
146-091-21DCD	125SNLB	69	09-28-71	440	--	--	--	--	0
146-091-22BBA	125SNLB	235	07-12-72	360	--	--	--	--	620
146-091-28ABA	112BGFV	94	10-28-71	400	--	--	--	--	0
146-091-35BBC	112BGFV	221	07-23-74	120	--	--	--	--	2,700
146-091-35BBC	112BGFV	221	08-23-78	330	--	--	--	--	320
146-092-27DDD	125SNLB	58	07-24-74	80	--	--	--	--	<10
146-092-29DDC1	125SNLB	75	09-30-71	0	--	--	--	--	0
146-092-30DAA	125SNLB	64	07-12-72	40	--	--	--	--	100
146-092-32CDD1	125SNLB	78	09-30-71	0	--	--	--	--	50
146-093-03CDD	211FXHL	1,525	07-13-72	1,600	--	--	--	--	90
146-093-03CDD	211FXHL	1,525	05-24-73	2,400	ND	ND	<2	5	50
146-093-17CBB	125SNLB	150	07-12-72	210	--	--	--	--	3,100
146-093-19BDD	125SNLB	140	07-13-72	70	--	--	--	--	2,100
146-093-20ADD	125SNLB	27	10-06-71	40	--	--	--	--	1,200
146-093-20CBC	125SNLB	120	10-06-71	90	--	--	--	--	4,300
146-093-20CCA	125SNLB	140	07-13-72	110	--	--	--	--	1,300
146-093-22ADD	125SNLB	80	10-05-71	0	--	--	--	--	6,200
146-093-24DCC1	125SNLB	115	10-06-71	0	--	--	--	--	14,000
146-093-26CBB	125SNLB	60	10-05-71	0	--	--	--	--	220
146-093-27CCC	125SNLB	76	07-24-74	550	--	--	--	--	40
146-093-28AAA2	125SNLB	76	11-22-74	430	--	--	--	--	100
146-093-28DDB1	125SNLB	84	10-06-71	440	--	--	--	--	530
146-094-05CBD	211FXHL	1,410	05-25-72	710	--	--	--	--	0
146-094-08DAC1	125SNLB	25	10-08-71	580	--	--	--	--	0
146-094-08DAD1	211FXHL	1,404	05-25-72	570	--	--	--	--	40
146-094-24DDD2	125SNLB	60	10-07-71	310	--	--	--	--	120
147-087-04ABA	125TGRV	380	10-14-66	3,700	--	--	--	--	--
147-090-22CCC	125SNLB	150	11-03-50	300	--	--	--	--	1,700
147-090-25ABC	125SNLB	155	11-03-50	0	--	--	--	--	1,500
147-091-25DCC	125SNLB	92	11-05-90	620	<3.0	<20	<9	<30	47
147-091-26CCD	125TGRV	925	09-29-71	130	--	--	--	--	0
147-091-28ACC	125TGRV	707	11-05-90	270	<3.0	<20	<9	<30	96
147-091-29BCA	125TGRV	917	05-23-72	0	--	--	--	--	90
147-092-03CDC2	--	1,000	11-05-90	2,100	<3.0	<20	<9	<30	93
147-093-03DBB	125SNLB	223	10-19-50	0	--	--	--	--	160
147-093-29DCA	125TGRV	373	08-23-72	210	--	--	--	--	80
147-094-26BCB	211FXHL	1,500	11-16-72	2,500	--	--	--	--	<10
147-094-34BAD	211FXHL	1,502	11-16-72	2,100	--	--	--	--	100
147-095-12BCD	125TGRV	400	07-13-72	250	--	--	--	--	0
147-095-12CAD	211FXHL	1,410	07-13-72	1,500	--	--	--	--	530

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Lead, dissolved (µg/L as Pb)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Molybdenum, dissolved (µg/L as Mo)	Nickel, dissolved (µg/L as Ni)	Selenium, dissolved (µg/L as Se)	Silver, dissolved (µg/L as Ag)	Strontium, dissolved (µg/L as Sr)	Vanadium, dissolved (µg/L as V)	Zinc, dissolved (µg/L as Zn)
146-088-30DDD	--	--	<10	1	--	--	--	420	--	--
146-090-20CCC	--	--	--	--	--	--	--	--	--	--
146-090-20CCC	--	--	--	--	--	--	--	--	--	--
146-091-08CAA	--	--	350	--	--	--	--	--	--	--
146-091-13BCA1	--	--	50	--	--	--	--	--	--	--
146-091-17CDC	--	--	240	--	--	--	--	--	--	--
146-091-17CDC	--	--	240	--	--	--	--	--	--	--
146-091-20DDD1	--	--	10	--	--	--	--	--	--	--
146-091-21CDD1	--	--	160	--	--	--	--	--	--	--
146-091-21CDD2	--	--	550	--	--	--	--	--	--	--
146-091-21DCD	--	--	80	--	--	--	--	--	--	--
146-091-22BBA	--	--	30	--	--	--	--	--	--	--
146-091-28ABA	--	--	520	--	--	--	--	--	--	--
146-091-35BBC	--	--	160	--	--	--	--	--	--	--
146-091-35BBC	--	--	160	--	--	--	--	--	--	--
146-092-27DDD	--	--	180	--	--	--	--	--	--	--
146-092-29DDC1	--	--	20	--	--	--	--	--	--	--
146-092-30DAA	--	--	30	--	--	--	--	--	--	--
146-092-32CDD1	--	--	40	--	--	--	--	--	--	--
146-093-03CDD	--	--	0	--	--	--	--	--	--	--
146-093-03CDD	ND	70	<10	4	7	<1	ND	600	1	<20
146-093-17CBB	--	--	420	--	--	--	--	--	--	--
146-093-19BDD	--	--	580	--	--	--	--	--	--	--
146-093-20ADD	--	--	60	--	--	--	--	--	--	--
146-093-20CBC	--	--	10	--	--	--	--	--	--	--
146-093-20CCA	--	--	320	--	--	--	--	--	--	--
146-093-22ADD	--	--	140	--	--	--	--	--	--	--
146-093-24DCC1	--	--	130	--	--	--	--	--	--	--
146-093-26CBB	--	--	400	--	--	--	--	--	--	--
146-093-27CCC	--	--	300	--	--	--	--	--	--	--
146-093-28AAA2	--	--	800	--	--	--	--	--	--	--
146-093-28DDB1	--	--	10	--	--	--	--	--	--	--
146-094-05CBD	--	--	40	--	--	--	--	--	--	--
146-094-08DAC1	--	--	180	--	--	--	--	--	--	--
146-094-08DAD1	--	--	40	--	--	--	--	--	--	--
146-094-24DDD2	--	--	190	--	--	--	--	--	--	--
147-087-04ABA	--	--	--	--	--	--	--	--	--	--
147-090-22CCC	--	--	--	--	--	--	--	--	--	--
147-090-25ABC	--	--	--	--	--	--	--	--	--	--
147-091-25DCC	<30	92	350	<30	60	--	<3.0	1,600	<18	89
147-091-26CCD	--	--	620	--	--	--	--	--	--	--
147-091-28ACC	<30	78	<3	<30	<30	--	<3.0	320	<18	310
147-091-29BCA	--	--	40	--	--	--	--	--	--	--
147-092-03CDC2	<30	80	5	<30	<30	--	<3.0	210	<18	13
147-093-03DBB	--	--	--	--	--	--	--	--	--	--
147-093-29DCA	--	--	0	--	--	--	--	--	--	--
147-094-26BCB	--	--	<10	--	--	--	--	--	--	--
147-094-34BAD	--	--	<10	--	--	--	--	--	--	--
147-095-12BCD	--	--	10	--	--	--	--	--	--	--
147-095-12CAD	--	--	10	--	--	--	--	--	--	--

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Boron, dissolved (µg/L as B)	Cadmium, diasolved (µg/L as Cd)	Chromium, dissolved (µg/L as Cr)	Cobalt, dissolved (µg/L as Co)	Copper, dissolved (µg/L as Cu)	Iron, dissolved (µg/L as Fe)
147-095-13CCC2	211FXHL	1,930	07-07-72	1,600	--	--	--	--	250
147-095-13CCC3	211FXHL	1,980	11-01-90	2,000	<3.0	<20	<9	<30	210
147-095-14AAA	211FXHL	1,430	07-13-72	1,400	--	--	--	--	0
147-095-14CBB1	125SNLB	52	12-09-71	310	--	--	--	--	2,200
147-095-24AAC	211FXHL	1,580	07-13-72	1,500	--	--	--	--	0
147-095-26BBB1	211FXHL	1,850	12-08-71	1,600	--	--	--	--	200
148-087-07AAA1	112WSLD	16	05-13-68	0	--	--	--	--	100
148-087-07AAA2	112WSLD	278	08-05-68	590	--	--	--	--	4,900
148-087-11DDD	112OTSH	13	10-11-66	180	--	--	--	--	150
148-087-13BBB	112WSLD	278	07-30-68	490	--	--	--	--	0
148-087-13DDD	112WSLD	305	10-30-69	--	--	--	--	--	--
148-087-24BCD	125SNLB	61	09-16-66	0	--	--	--	--	200
148-087-27ADA	125TGRV	135	09-16-66	40	--	--	--	--	7,800
148-087-27DDA	125TGRV	228	09-16-66	140	--	--	--	--	440
148-088-02DDA	112WSLD	232	06-09-65	--	--	--	--	--	300
148-088-02DDA	112WSLD	232	05-05-67	390	--	--	--	--	10,000
148-088-02DDB	112WSLD	215	05-05-67	350	--	--	--	--	1,900
148-088-21DBD	125SNLB	220	11-08-90	290	<1.0	<5	<3	<10	120
148-090-16ABC	125TGRV	290	11-08-90	570	<3.0	<20	<9	<30	34
148-090-25BC	211FXHL	1,281	11-16-67	2,800	--	--	--	--	70
148-090-26ABB2	125TGRV	126	10-13-66	500	--	--	--	--	--
148-092-06AAD	125SNLB	210	10-31-90	40	<1.0	<5	<3	<10	17
148-092-06BCA	125SNLB	89	08-02-72	750	--	--	--	--	160
148-092-06BDB	125SNLB	98	08-02-72	710	--	--	--	--	0
148-092-23CCA	125SNLB	23	08-09-73	470	--	--	--	--	2,400
148-092-35BDA	125SNLB	65	08-03-72	570	--	--	--	--	40
148-093-04CAB1	125TGRV	340	11-07-73	430	--	--	--	--	<10
148-093-04CBD	125TGRV	480	11-07-73	220	--	--	--	--	230
148-093-10CCC	125SNLB	109	08-01-74	430	--	--	--	--	390
148-093-14CDC	125SNLB	63	08-01-74	430	--	--	--	--	430
148-093-17BBD	125SNLB	160	08-01-72	360	--	--	--	--	2,700
148-094-13BBD	125SNLB	30	07-28-72	70	--	--	--	--	1,000
148-094-20DDD	112TILL	134	10-12-50	100	--	--	--	--	440
148-095-03AAA	125TGRV	247	10-31-90	520	<3.0	<20	<9	<30	62
148-095-35BDD	125TGRV	400	07-18-72	180	--	--	--	--	250
149-087-02DDC2	125SNLB	100	09-13-66	210	--	--	--	--	200
149-087-05CDC	125SNLB	87	09-13-66	760	--	--	--	--	60
149-087-06AAA	125SNLB	44	10-19-77	100	--	--	--	--	280
149-087-08ABB1	125TGRV	220	09-13-66	820	--	--	--	--	7,50
149-087-09DAD	125SNLB	140	09-14-66	430	--	--	--	--	1,100
149-087-32CCC	112WSLD	358	07-28-68	630	--	--	--	--	500
149-088-23DAA	125SNLB	70	11-08-90	70	<1.0	<5	<3	<10	330
149-089-01BDA	112WSLD	260	11-07-90	590	<3.0	<20	<9	<30	240
149-089-02BBB	112WSLD	263	10-03-69	--	--	--	--	--	400
149-089-03BBD	112WSLD	230	11-07-90	610	<3.0	<20	<9	<30	2,500
149-089-03DAA	112WSLD	220	11-07-90	640	<3.0	<20	<9	<30	950
149-089-10BBC	112BGFV	18	05-14-68	340	--	--	--	--	3,600
149-089-10CBB3	112WSLD	135	11-07-90	290	<1.0	<5	<3	<10	3,100
149-089-11BBB1	112WSLD	21	06-01-67	100	--	--	--	--	40
149-089-23CCC1	125SNLB	142	10-13-66	460	--	--	--	--	--

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Lead, dissolved (µg/L as Pb)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Molybdenum, dissolved (µg/L as Mo)	Nickel, dissolved (µg/L as Ni)	Selenium, dissolved (µg/L as Se)	Silver, dissolved (µg/L as Ag)	Strontium, dissolved (µg/L as Sr)	Vanadium, dissolved (µg/L as V)	Zinc, dissolved (µg/L as Zn)
147-095-13CCC2	--	--	20	--	--	--	--	--	--	--
147-095-13CCC3	<30	62	8	<30	<30	--	<3.0	82	<18	<9
147-095-14AAA	--	--	10	--	--	--	--	--	--	--
147-095-14CBB1	--	--	30	--	--	--	--	--	--	--
147-095-24AAC	--	--	20	--	--	--	--	--	--	--
147-095-26BBB1	--	--	20	--	--	--	--	--	--	--
148-087-07AAA1	--	--	150	--	--	--	--	--	--	--
148-087-07AAA2	--	--	10	--	--	--	--	--	--	--
148-087-11DDD	--	--	--	--	--	--	--	--	--	--
148-087-13BBB	--	--	30	--	--	--	--	--	--	--
148-087-13DDD	--	--	10	--	--	--	--	--	--	--
148-087-24BCD	--	--	--	--	--	--	--	--	--	--
148-087-27ADA	--	--	--	--	--	--	--	--	--	--
148-087-27DDA	--	--	--	--	--	--	--	--	--	--
148-088-02DDA	--	--	--	--	--	--	--	--	--	--
148-088-02DDA	--	180	--	--	--	--	--	--	--	
148-088-02DDB	--	--	50	--	--	--	--	--	--	--
148-088-21DBD	<10	34	8	<10	<10	--	<1.0	120	<6	6
148-090-16ABC	<30	32	<3	<30	<30	--	<3.0	83	<18	<9
148-090-25BC	--	--	40	--	--	--	--	--	--	--
148-090-26ABB2	--	--	--	--	--	--	--	--	--	--
148-092-06AAD	<10	22	25	<10	<10	--	<1.0	390	<6	30
148-092-06BCA	--	--	70	--	--	--	--	--	--	--
148-092-06BDB	--	--	20	--	--	--	--	--	--	--
148-092-23CCA	--	--	100	--	--	--	--	--	--	--
148-092-35BDA	--	--	20	--	--	--	--	--	--	--
148-093-04CAB1	--	--	20	--	--	--	--	--	--	--
148-093-04CBD	--	--	60	--	--	--	--	--	--	--
148-093-10CCC	--	--	220	--	--	--	--	--	--	--
148-093-14CDC	--	--	160	--	--	--	--	--	--	--
148-093-17BBD	--	--	20	--	--	--	--	--	--	--
148-094-13BBD	--	--	520	--	--	--	--	--	--	--
148-094-20DDD	--	--	--	--	--	--	--	--	--	--
148-095-03AAA	<30	<12	15	<30	<30	--	4.0	77	<18	11
148-095-35BDD	--	--	10	--	--	--	--	--	--	--
149-087-02DDC2	--	--	--	--	--	--	--	--	--	--
149-087-05CDC	--	--	--	--	--	--	--	--	--	--
149-087-06AAA	--	--	100	--	--	--	--	--	--	--
149-087-08ABB1	--	--	--	--	--	--	--	--	--	--
149-087-09DAD	--	--	--	--	--	--	--	--	--	--
149-087-32CCC	--	--	10	--	--	--	--	--	--	--
149-088-23DAA	<10	42	230	<10	<10	--	<1.0	1,200	<6	14
149-089-01BDA	<30	75	18	<30	<30	--	<3.0	600	<18	14
149-089-02BBB	--	--	--	--	--	--	--	--	--	--
149-089-03BBD	<30	110	100	<30	<30	--	<3.0	2,000	<18	18
149-089-03DAA	<30	84	33	<30	<30	--	<3.0	1,100	<18	17
149-089-10BBC	--	--	840	--	--	--	--	--	--	--
149-089-10CBB3	<10	61	210	<10	<10	--	<1.0	1,200	<6	19
149-089-11BBB1	--	--	--	--	--	--	--	--	--	--
149-089-23CCC1	--	--	--	--	--	--	--	--	--	--

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Aquifer coda	Depth of well, total (feet)	Date	Boron, dissolved (µg/L as B)	Cadmium, dissolved (µg/L as Cd)	Chromium, dissolved (µg/L as Cr)	Cobalt, dissolved (µg/L as Co)	Copper, dissolved (µg/L as Cu)	Iron, dissolved (µg/L as Fe)
149-089-24AAA	112WSLD	172	07-14-70	270	--	--	--	--	3,800
149-089-36BBB1	125SNLB	130	05-04-67	390	--	--	--	--	40
149-090-11ADA2	125TGRV	199	10-12-66	660	--	--	--	--	--
149-092-22CDC	125SNLB	40	08-02-72	290	--	--	--	--	1,800
149-093-02ACB	125TGRV	647	08-29-72	300	--	--	--	--	540
149-093-05CDC	125SNLB	84	08-28-72	130	--	--	--	--	200
149-093-08DCC	125TGRV	500	08-17-72	290	--	--	--	--	300
149-093-09CCC	125TGRV	440	10-31-90	320	<3.0	<20	<9	<30	28
149-093-09CCD	125SNLB	65	08-18-72	140	--	--	--	--	1,200
149-093-21DCA	125SNLB	35	08-17-72	110	--	--	--	--	1,000
149-093-27ABA	125SNLB	65	08-17-72	250	--	--	--	--	0
149-094-14BA	211HCFH	1,745	06-04-79	320	--	--	--	--	300
149-095-06ACC	125TGRV	883	08-19-82	620	--	--	--	--	80
149-095-06ADDB	125SNLB	80	10-31-90	460	<1.0	<5	<3	<10	540
149-095-09CDD	211FXHL	1,564	06-23-86	2,200	--	--	--	--	50
150-087-31DCD	125SNLB	88	10-19-77	290	--	--	--	--	320
150-088-18ADD1	125SNLB	58	10-11-66	550	--	--	--	--	80
150-088-33ADD	--	192	11-08-90	300	<1.0	<5	<3	<10	160
150-089-06BBC	125SNLB	117	11-08-90	220	<1.0	<5	<3	<10	1,100
150-089-14ADD	125SNLB	56	11-07-90	560	<1.0	<5	<3	<10	71
150-089-26BCC	125SNLB	45	10-11-66	410	--	--	--	--	220
150-089-31BCC	112WSLD	278	07-27-70	630	--	--	--	--	960
150-089-31DAA	112WSLD	126	11-07-90	540	<1.0	<5	<3	<10	810
150-089-32DAA	112WSLD	224	10-24-69	--	--	--	--	--	640
150-090-19ADB	112WSLD	82	11-07-90	360	<1.0	<5	<3	<10	3,800
150-090-21CBB	112WSLD	246	10-12-66	560	--	--	--	--	--
150-090-25DAA2	125SNLB	225	10-13-66	610	--	--	--	--	--
150-090-36AAA	112WSLD	299	07-28-70	750	--	--	--	--	200
150-091-35CCA	125SNLB	126	11-08-50	0	--	--	--	--	3,800
150-092-12BBDA	125SNLB	120	10-30-90	390	<1.0	<5	<3	<10	2,000
150-093-31ADD	125TGRV	336	08-28-72	90	--	--	--	--	250
150-093-33CAA	125TGRV	388	08-28-72	260	--	--	--	--	250
150-094-19DDDA	125TGRV	830	10-31-90	660	<3.0	<20	<9	<30	260
150-095-14DCB	125SNLB	35	07-10-79	30	--	--	--	--	470
150-095-29CAC	125SNLB	240	07-10-79	630	--	--	--	--	220
151-088-08AAA	125SNLB	120	11-01-77	1,200	--	--	--	--	20
151-088-33BBA	125SNLB	160	06-06-68	1,000	--	--	--	--	260
151-089-04ABD	125TGRV	226	05-15-67	120	--	--	--	--	360
151-090-16BAB	125SNLB	165	06-06-68	440	--	--	--	--	0
151-090-29BBC	211FXHL	1,620	11-06-90	3,500	<3.0	<20	<9	<30	99
151-090-36DDA	125SNLB	115	04-20-67	590	--	--	--	--	1,700
151-091-11CDD	125TGRV	173	11-06-90	80	<3.0	<20	<9	<30	82
151-091-12BBA1	125TGRV	198	11-06-90	270	<1.0	<5	<3	<10	110
151-092-28ABAB	125TGRV	200	10-30-90	600	<3.0	<20	<9	<30	48
151-092-34DAA	112SANISH	138	09-02-66	120	--	--	--	--	8,600
151-093-10AAAB	125TGRV	421	10-30-90	550	<3.0	<20	<9	<30	450
151-093-16BCD	112SANISH	150	06-06-68	780	--	--	--	--	6,300
151-093-35BBB2	125TGRV	298	10-30-90	170	<3.0	<20	<9	<30	150
151-095-29BCB	125SNLB	80	06-14-79	160	--	--	--	--	2,900
152-087-16AAA	112VANG	17	08-09-66	0	--	--	--	--	2,700

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Lead, dissolved (µg/L as Pb)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Molybdenum, dissolved (µg/L as Mo)	Nickel, dissolved (µg/L as Ni)	Selenium, dissolved (µg/L aa Se)	Silver, dissolved (µg/L as Ag)	Strontium, dissolved (µg/L as Sr)	Vanadium, dissolved (µg/L aa V)	Zinc, dissolved (µg/L as Zn)
149-089-24AAA	--	--	20	--	--	--	--	--	--	--
149-089-36BBB1	--	--	--	--	--	--	--	--	--	--
149-090-11ADA2	--	--	--	--	--	--	--	--	--	--
149-092-22CDC	--	--	190	--	--	--	--	--	--	--
149-093-02ACB	--	--	0	--	--	--	--	--	--	--
149-093-05CDC	--	--	0	--	--	--	--	--	--	--
149-093-08DCC	--	--	60	--	--	--	--	--	--	--
149-093-09CCC	<30	39	29	<30	<30	--	<3.0	84	<18	91
149-093-09CCD	--	--	400	--	--	--	--	--	--	--
149-093-21DCA	--	--	180	--	--	--	--	--	--	--
149-093-27ABA	--	--	40	--	--	--	--	--	--	--
149-094-14BA	--	--	60	--	--	--	--	--	--	--
149-095-06ACC	--	--	20	--	--	--	--	--	--	--
149-095-06ADDB	<10	30	160	<10	<10	--	<1.0	530	<6	8
149-095-09CDD	--	--	10	--	--	--	--	--	--	--
150-087-31DCD	--	--	120	--	--	--	--	--	--	--
150-088-18ADD1	--	--	--	--	--	--	--	--	--	--
150-088-33ADD	<10	47	23	<10	<10	--	<1.0	400	<6	12
150-089-06BBC	<10	68	230	<10	<10	--	<1.0	1,500	<6	110
150-089-14ADD	<10	59	140	<10	<10	--	<1.0	1,000	<6	9
150-089-26BCC	--	--	--	--	--	--	--	--	--	--
150-089-31BCC	--	--	50	--	--	--	--	--	--	--
150-089-31DAA	<10	110	77	<10	<10	--	<1.0	1400	<6	300
150-089-32DAA	--	--	10	--	--	--	--	--	--	--
150-090-19ADB	<10	63	580	<10	<10	--	<1.0	850	<6	13
150-090-21CBB	--	--	--	--	--	--	--	--	--	--
150-090-25DAA2	--	--	--	--	--	--	--	--	--	--
150-090-36AAA	--	--	40	--	--	--	--	--	--	--
150-091-35CCA	--	--	--	--	--	--	--	--	--	--
150-092-12BBDA	<10	120	480	<10	<10	--	1.0	950	<6	6
150-093-31ADD	--	--	0	--	--	--	--	--	--	--
150-093-33CAA	--	--	0	--	--	--	--	--	--	--
150-094-19DDDA	<30	77	6	<30	<30	--	<3.0	200	<18	89
150-095-14DCB	--	--	320	--	--	--	--	--	--	--
150-095-29CAC	--	--	140	--	--	--	--	--	--	--
151-088-08AAA	--	--	2,800	--	--	--	--	--	--	--
151-088-33BBA	--	--	--	--	--	--	--	--	--	--
151-089-04ABD	--	--	--	--	--	--	--	--	--	--
151-090-16BAB	--	--	--	--	--	--	--	--	--	--
151-090-29BBC	<30	90	4	<30	<30	--	<3.0	150	<18	250
151-090-36DDA	--	--	--	--	--	--	--	--	--	--
151-091-11CDD	<30	36	9	<30	<30	--	<3.0	130	<18	9
151-091-12BBA1	<10	25	8	<10	<10	--	<1.0	55	<6	16
151-092-28ABAB	<30	53	28	<30	<30	--	<3.0	130	<18	<9
151-092-34DAA	--	--	--	--	--	--	--	--	--	--
151-093-10AAAB	<30	27	63	<30	<30	--	<3.0	150	60	100
151-093-16BCD	--	--	--	--	--	--	--	--	--	--
151-093-35BBB2	<30	28	24	<30	<30	--	4.0	100	<18	<9
151-095-29BCB	--	--	1,400	--	--	--	--	--	--	--
152-087-16AAA	--	--	--	--	--	--	--	--	--	--

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Aquifer code	Depth of well, total (feet)	Date	Boron, dissolved (µg/L as B)	Cadmium, dissolved (µg/L as Cd)	Chromium, dissolved (µg/L as Cr)	Cobalt, dissolved (µg/L as Co)	Copper, dissolved (µg/L as Cu)	Iron, dissolved (µg/L as Fe)
152-087-28DAA	112HDLK	150	06-01-65	550	--	--	--	--	400
152-087-28DAA	112HDLK	150	06-29-71	350	--	--	--	--	2,200
152-088-04BBB	125SNLB	90	04-25-67	470	--	--	--	--	1,100
152-088-04BDA	125SNLB	102	11-09-90	440	<3.0	<20	<9	<30	320
152-088-05DAD2	125TGRV	240	11-09-90	450	<3.0	<20	<9	<30	100
152-089-05BAC	125SNLB	119	07-13-67	860	--	--	--	--	2,500
152-089-05BACB	125SNLB	115	11-08-90	1,000	<1.0	<5	<3	<10	90
152-089-23CCC	112BDVL	47	11-01-77	190	--	--	--	--	<10
152-089-29CCC5	125TGRV	38	11-06-90	820	<3.0	<20	<9	<30	6,800
152-089-34ABB	--	120	11-06-90	190	<1.0	<5	<3	20	14
152-089-35DDD	--	90	07-13-67	230	--	--	--	--	220
152-090-02CDD	125TGRV	225	07-13-67	510	--	--	--	--	5,900
152-090-09BCC	--	65	10-19-77	140	--	--	--	--	400
152-090-13CCC1	125SNLB	66	07-13-67	40	--	--	--	--	80
152-090-17CDC	--	90	11-06-90	330	<1.0	<5	<3	<10	1,300
152-090-18CCC	112SLCK	79	08-02-66	700	--	--	--	--	1,000
152-090-18CCC	112SLCK	79	08-10-71	930	--	--	--	--	0
152-090-18CCC	112SLCK	79	08-06-82	250	--	--	--	--	520
152-090-21CBC	--	84	10-17-77	430	--	--	--	--	570
152-090-25DBC2	--	74	06-07-67	590	--	--	--	--	250
152-090-26DAA	--	55	07-28-76	760	--	--	--	--	1,600
152-090-26DAD	--	59	11-07-90	550	<3.0	<20	<9	<30	1,700
152-091-05DBB3	125SNLB	92	11-06-90	290	<1.0	<5	<3	50	560
152-091-08DDD	125TGRV	225	06-06-68	590	--	--	--	--	3,100
152-091-32BBA	--	580	11-08-90	260	<3.0	<20	<9	<30	48
152-092-12DDD	125SNLB	75	10-30-90	200	<1.0	<5	<3	<10	340
152-092-16CDBD	112NWTN	90	10-30-90	240	<1.0	<5	<3	<10	1,300
152-092-17DDDA	112NWTN	222	10-29-90	620	<3.0	<20	<9	<30	7,700
152-092-18AADD	125TGRV	258	10-29-90	410	<3.0	<20	<9	<30	4,700
152-092-19AAA3	112NWTN	143	12-08-67	260	--	--	--	--	4,900
152-092-19AAA4	112NWTN	178	10-29-90	370	2.0	<5	<3	<10	5,200
152-092-19AAB	112NWTN	158	07-19-67	170	--	--	--	--	2,200
152-092-19AAB	112NWTN	158	06-04-85	220	--	--	--	--	3,500
152-092-19AAB	112NWTN	158	09-23-87	160	--	--	--	--	100
152-092-20BBA	112NWTN	166	09-14-67	260	--	--	--	--	4,300
152-092-20BBB2	112NWTN	168	09-13-67	220	--	--	--	--	1,500
152-092-21ADAA	112NWTN	132	10-30-90	540	<3.0	<20	<9	<30	8,600
152-092-22ADCD	112NWTN	100	10-30-90	560	<3.0	<20	<9	<30	3,400
152-092-29DDD	112NWTN	118	06-14-67	620	--	--	--	--	80
152-092-31CCC	112NWTN	48	07-19-67	270	--	--	--	--	3,300
152-093-24AADA	125TGRV	109	10-31-90	500	<3.0	<20	<9	<30	1,500
152-093-26BCC	211FXHL	1,805	07-06-68	3,200	--	--	--	--	320
152-094-01CCB	--	1,620	11-01-90	3,200	<3.0	<20	<9	<30	25
152-094-19CBBC	125SNLB	89	11-05-91	--	<3.0	<20	<9	30	3,100
152-094-19CCAB1	125SNLB	75	11-05-91	--	5.0	<20	<9	<30	32
152-094-19CCCC	125SNLB	86	11-05-91	--	<3.0	<20	<9	<30	36
152-094-19CCDD1	125SNLB	80	11-05-91	--	<3.0	<20	<9	<30	110
152-095-08CB	--	5,313	07-19-79	5,400	--	--	--	--	340
152-095-16ADD	125TGRV	696	05-11-83	420	--	--	--	--	30
153-094-32CDBD	211FXHL	1,524	10-31-90	3,300	<3.0	<20	<9	<30	230

Table 6. Trace-element concentrations in water from wells--Continued

Local number	Lead, dissolved (µg/L as Pb)	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Molybdenum, dissolved (µg/L as Mo)	Nickel, dissolved (µg/L as Ni)	Selenium, dissolved (µg/L as Se)	Silver, dissolved (µg/L as Ag)	Strontium, dissolved (µg/L as Sr)	Vanadium, dissolved (µg/L as V)	Zinc, dissolved (µg/L as Zn)
152-087-28DAA	--	--	--	--	--	--	--	--	--	--
152-087-28DAA	--	--	80	--	--	--	--	--	--	--
152-088-04BBB	--	--	--	--	--	--	--	--	--	--
152-088-04BDA	<30	190	37	<30	<30	--	<3.0	550	<18	76
152-088-05DAD2	<30	64	22	<30	<30	--	<3.0	280	<18	<9
152-089-05BAC	--	--	--	--	--	--	--	--	--	--
152-089-05BACB	<10	89	8	<10	<10	--	<1.0	160	<6	12
152-089-23CCC	--	--	80	--	--	--	--	--	--	--
152-089-29CCC5	<30	250	360	<30	<30	--	<3.0	4,200	<18	22
152-089-34ABB	<10	99	280	<10	<10	--	<1.0	1,700	<6	27
152-089-35DDD	--	--	--	--	--	--	--	--	--	--
152-090-02CDD	--	--	--	--	--	--	--	--	--	--
152-090-09BCC	--	--	180	--	--	--	--	--	--	--
152-090-13CCC1	--	--	--	--	--	--	--	--	--	--
152-090-17CDC	<10	52	380	<10	<10	--	<1.0	410	<6	3
152-090-18CCC	--	--	--	--	--	--	--	--	--	--
152-090-18CCC	--	--	40	--	--	--	--	--	--	--
152-090-18CCC	--	--	200	--	--	--	--	--	--	--
152-090-21CBC	--	--	140	--	--	--	--	--	--	--
152-090-25DBC2	--	--	--	--	--	--	--	--	--	--
152-090-26DAA	--	--	80	--	--	--	--	--	--	--
152-090-26DAD	<30	100	51	<30	<30	--	<3.0	790	<18	<9
152-091-05DBB3	<10	63	280	<10	<10	--	<1.0	340	<6	15
152-091-08DDD	--	--	--	--	--	--	--	--	--	--
152-091-32BBA	<30	64	4	<30	<30	--	<3.0	160	<18	<9
152-092-12DDD	<10	29	33	<10	<10	--	<1.0	240	<6	4
152-092-16CDBD	<10	56	360	10	<10	--	<1.0	530	<6	<3
152-092-17DDDA	<30	180	960	<30	<30	--	<3.0	2,100	<18	<9
152-092-18AADD	<30	79	170	<30	<30	--	<3.0	680	<18	<9
152-092-19AAA3	--	--	--	--	--	--	--	--	--	--
152-092-19AAA4	<10	87	260	<10	<10	--	<1.0	1,000	<6	<3
152-092-19AAB	--	--	--	--	--	--	--	--	--	--
152-092-19AAB	--	--	460	--	--	--	--	--	--	--
152-092-19AAB	<1	190	320	2	--	15	--	1,300	--	--
152-092-20BBA	--	--	--	--	--	--	--	--	--	--
152-092-20BBB2	--	--	--	--	--	--	--	--	--	--
152-092-21ADAA	<30	200	370	<30	<30	--	<3.0	1,900	<18	40
152-092-22ADCD	50	330	1,700	<30	<30	--	3.0	2,100	<18	60
152-092-29DDD	--	--	--	--	--	--	--	--	--	--
152-092-31CCC	--	--	--	--	--	--	--	--	--	--
152-093-24AADA	<30	130	8,400	<30	<30	--	<3.0	2,600	<18	33
152-093-26BCC	--	--	--	--	--	--	--	--	--	--
152-094-01CCB	<30	110	6	<30	<30	--	<3.0	150	<18	<9
152-094-19CBBC	<30	120	2,600	<30	<30	--	<3.0	1,800	<18	24
152-094-19CCAB1	<30	100	290	<30	<30	--	<3.0	210	<18	15
152-094-19CCCC	<10	100	1,700	<10	30	--	<3.0	1,400	<18	20
152-094-19CCDD1	30	84	120	<30	40	--	<3.0	280	<18	10
152-095-08CB	--	--	<10	--	--	--	--	--	--	--
152-095-16ADD	--	--	10	--	--	--	--	--	--	--
153-094-32CDBD	<30	94	7	<30	<30	--	<3.0	140	<18	<9

Table 7. Physical properties and major-ion concentrations in water from springs

Aquifer code

Pleistocene
- 112ICCC — Ice contact deposits

Paleocene
- 125SNLB — Sentinel Butte Member of Fort Union Formation

Abbreviations and symbols

µS/cm, microsiemens per centimeter at 25 degrees Celsius
mg/L, milligrams per liter
µg/L, micrograms per liter
--, no data

Table 7. Physical properties and major-ion concentrations in water from springs--Continued

Local number	Aquifer code	Date	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (degrees Celsius)	Carbon dioxide, dissolved (mg/L)	Hardness, total (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L as $CaCO_3$)	Alkalinity (mg/L as $CaCO_3$)	Solids, sum of constituents, dissolved (mg/L)	Solids, residue at 180 degrees Celsius, dissolved (mg/L)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)
146-091-21DDC	125SNLB	09-28-71	1,010	6.8	9.5	76	400	150	244	695	685	89	42
146-092-02DCA	125SNLB	05-23-72	1,220	7.8	--	13	220	0	427	6,950	792	40	29
146-094-35AAB	125SNLB	10-07-71	878	7.7	8.0	11	440	150	289	581	602	100	47
146-095-35DDC	125SNLB	08-25-72	6,290	4.5	10.0	0	3,700	3,700	0	6,810	6,810	400	640
147-091-14BDD	125SNLB	10-01-71	1,100	7.4	8.0	37	410	0	478	706	689	92	44
147-091-26BDB	125SNLB	09-29-71	628	7.9	11.0	7.5	360	50	306	406	400	88	33
147-094-04DDA	125SNLB	08-08-50	2,250	7.2	7.0	76	910	290	620	1,740	1,720	210	95
147-095-32BDC	125SNLB	12-03-71	835	7.9	7.5	8.8	240	0	358	550	496	49	29
148-092-04CBD	125SNLB	08-08-50	447	7.1	8.0	30	200	6	194	275	300	42	23
148-092-11AAC	125SNLB	08-03-72	461	6.6	10.0	92	220	32	188	277	291	47	25
148-092-11ACA	125SNLB	08-08-50	550	7.1	9.5	36	240	11	233	347	368	50	29
148-092-26ACA	125SNLB	08-03-72	655	7.2	10.5	37	250	0	299	400	401	54	28
148-093-01DDC	125SNLB	08-02-72	497	7.1	8.0	34	180	0	221	--	278	42	19
148-093-17BDD	125SNLB	08-08-50	2,500	7.7	9.5	28	350	0	707	1,760	1,760	66	44
148-093-23BADB	--	11-20-92	4,510	6.6	9.0	--	1,000	--	--	3,620	--	170	150
148-093-31DBD	125SNLB	08-08-50	1,560	7.5	7.0	30	580	98	484	1,100	1,100	120	68
148-094-15CAD	125SNLB	07-21-72	693	7.3	10.5	21	220	5	211	439	457	50	22
148-094-23CBD	112ICCC	07-28-72	1,120	7.6	11.5	19	250	0	385	745	749	55	27
149-091-08AAA	125SNLB	08-16-72	1,880	7.3	9.5	63	460	0	648	1,280	1,290	71	69
149-092-27BBB	125SNLB	08-02-72	553	7.3	10.0	24	210	0	250	320	336	44	24
149-092-30CAB	125SNLB	08-08-50	1,740	7.7	7.0	20	190	0	522	1,180	1,180	38	22
149-092-30CAB	125SNLB	08-02-72	1,690	7.5	8.5	30	200	0	490	39	1,150	25	340
149-092-35BDA	125SNLB	11-08-50	825	7.2	10.0	40	340	14	326	533	518	72	39
149-093-12ACC	125SNLB	08-17-72	2,440	7.1	10.0	82	140	0	527	1,670	1,730	24	19
149-093-21DCC	125SNLB	08-17-72	622	6.9	8.5	57	200	0	233	382	396	46	21
149-094-15ADAB	--	11-20-92	1,330	6.7	8.0	--	500	--	--	899	--	110	55
149-094-28AACC	--	11-20-92	2,090	6.9	9.0	--	300	--	--	1,410	--	50	43
150-092-04AADC	--	11-19-92	1,170	6.6	9.0	--	250	--	--	790	--	47	32
150-092-08DDCA	--	11-19-92	1,250	6.8	9.5	--	350	--	--	846	--	61	47
151-090-14ABDD	--	11-19-92	1,620	7.5	8.5	--	71	--	--	1,040	--	12	10
152-090-24BCCA	--	11-19-92	1,750	6.8	9.0	--	650	--	--	1,180	--	110	90
152-092-11BDCC	--	11-20-92	1,840	7.0	7.0	--	140	--	--	1,230	--	32	14
152-093-13CDBD	--	11-19-92	910	7.0	6.5	--	45	--	--	607	--	7.7	6.3

Table 7. Physical properties and major-ion concentrations in water from springs--Continued

Local number	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO_3)	Carbonate (mg/L as CO_3)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L ss F)	Silica, dissolved (mg/L as SiO_2)	Nitrogen, nitrste, dissolved (mg/L as N)	Boron, dissolved (µg/L as B)	Iron, dissolved (µg/L es Fe)	Manganese, dissolved (µg/L ss Mn)
146-091-21DDC	75	29	10.2	4.4	300	0	320	2.3	0.80	13.8	0.230	220	140	20
146-092-02DCA	210	67	10.2	5.3	520	0	240	0	.60	23.8	.110	70	0	170
146-094-35AAB	24	10	.5	2.0	350	0	210	4.1	.30	15	.230	270	1,300	520
146-095-35DDC	530	24	4	12	0	0	4,700	25	.20	53	4.70	2,700	880	16,000
147-091-14BDD	98	34	2	7.4	580	0	160	2.8	.50	17	.230	40	0	90
147-091-26BDB	9.2	5	.2	3.8	370	0	66	1.1	.20	20	.230	180	0	40
147-094-04DDA	240	37	4	7.6	760	--	760	2.0	.20	28	.200	100	21,000	--
147-095-32BDC	110	49	3	12	440	0	120	0	.20	15	.230	350	340	10
148-092-04CBD	18	16	.6	4.4	240	--	50	1.0	.20	19	.140	--	270	--
148-092-11AAC	12	10	.4	2.4	230	0	60	0	.20	16	.230	640	340	190
148-092-11ACA	28	20	.8	3.4	280	--	75	1.0	.20	19	.200	200	1,000	--
148-092-26ACA	51	30	1	4.1	370	0	67	.50	.20	14	.230	570	270	50
148-093-01DDC	30	26	1	2.3	270	0	--	0	.30	14	.560	360	200	110
148-093-17BDD	500	75	12	4.4	860	--	700	2.0	.60	24	.380	200	1,200	--
148-093-23BADB	820	63	11	9.2	--	--	2,100	4.8	.40	15	--	--	670	710
148-093-31DBD	160	37	3	5.2	590	--	440	3.0	.40	14	.270	200	830	--
148-094-15CAD	73	42	2	2.6	260	0	150	2.0	.40	14	.230	250	780	290
148-094-23CBD	170	59	5	3.6	470	0	240	0	.40	24	.230	390	250	80
149-091-08AAA	290	57	6	5.7	790	0	440	0	.20	15	.610	460	100	180
149-092-27BBB	42	30	1	3.1	310	0	41	0	.30	14	.230	290	100	180
149-092-30CAB	360	80	11	3.4	640	--	420	2.0	.40	16	.410	200	190	--
149-092-30CAB	78	78	10	3.3	600	0	430	0	.30	10	.230	540	100	40
149-092-35BDA	58	27	1	3.4	400	--	140	5.0	--	17	.140	--	180	--
149-093-12ACC	530	89	20	3.6	640	0	760	.90	.30	12	.230	1,100	300	120
149-093-21DCC	64	40	2	2.9	280	0	97	0	.10	9.8	.160	140	720	160
149-094-15ADAB	110	32	2	4.5	--	--	390	5.6	.20	11	--	--	8	2
149-094-28AACC	410	74	10	4.5	--	--	540	3.0	.60	13	--	--	460	120
150-092-04AADC	180	61	5	3.9	--	--	290	11	.20	16	--	--	170	150
150-092-08DDCA	170	51	4	4.4	--	--	260	1.6	.30	15	--	--	120	170
151-090-14ABDD	350	91	18	6.5	--	--	310	6.8	.50	12	--	--	140	56
152-090-24BCCA	160	35	3	5.9	--	--	540	7.0	<.10	18	--	--	250	400
152-092-11BDCC	380	85	14	2.6	--	--	530	6.5	.20	19	--	--	990	160
152-093-13CDBD	200	90	13	2.6	--	--	200	5.2	.20	17	--	--	330	43

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.966	-102.494	571.75	-0.441	0.765
47.949	-102.493	586.04	-.808	-.843
47.935	-102.493	589.67	-.910	-1.693
47.924	-102.493	586.38	-.861	-2.034
47.920	-102.493	587.96	-.433	-1.335
47.914	-102.496	614.28	-.654	-1.898
47.977	-102.472	581.37	.108	.925
47.974	-102.472	590.03	2.390	5.302
47.971	-102.472	589.77	.353	1.038
47.964	-102.472	584.36	-.890	-1.951
47.960	-102.472	582.07	.007	-.354
47.956	-102.472	577.20	-.552	-1.713
47.952	-102.472	573.35	.467	.128
47.949	-102.472	573.01	-.033	-1.043
47.945	-102.472	579.06	.016	-1.170
47.942	-102.472	578.27	.091	-1.222
47.938	-102.472	576.97	.153	-1.175
47.935	-102.472	576.35	1.088	.564
47.931	-102.472	576.48	.391	-1.010
47.927	-102.472	576.91	-.191	-2.343
47.924	-102.472	577.13	.067	-1.933
47.920	-102.472	579.08	-.026	-2.183
47.917	-102.472	582.35	.069	-2.072
47.913	-102.472	586.79	-.094	-2.470
47.906	-102.472	610.31	-.032	-2.552
47.902	-102.472	621.92	.226	-2.092
47.898	-102.472	635.00	.259	-1.964
47.895	-102.472	636.07	-.019	-2.581
47.891	-102.472	628.55	.498	-1.579
47.888	-102.472	629.57	.515	-1.570
47.885	-102.472	626.97	.504	-1.581
47.881	-102.472	615.29	.773	-1.024
47.878	-102.472	605.57	.587	-1.416
47.978	-102.450	581.33	1.661	2.299
47.974	-102.450	578.86	2.225	3.133
47.971	-102.450	578.11	2.017	2.554
47.906	-102.557	643.72	7.475	17.747
47.906	-102.563	646.97	9.208	21.303
47.873	-102.429	576.53	2.422	-1.406
47.870	-102.429	578.84	2.740	-.767
47.862	-102.427	576.27	3.334	.446
47.856	-102.427	576.41	3.272	.400
47.852	-102.429	578.09	3.192	.610
47.849	-102.428	584.55	2.776	-.166
47.839	-102.429	604.84	7.412	9.496
47.836	-102.429	608.40	6.656	8.139
47.830	-102.427	604.48	-.075	-5.288
47.827	-102.429	600.74	-3.886	-12.542
47.819	-102.409	618.95	4.634	3.086
47.819	-102.414	605.49	4.789	3.829

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.819	-102.419	595.48	4.557	3.740
47.819	-102.424	587.39	4.234	3.719
47.819	-102.429	585.09	3.271	2.295
47.819	-102.435	588.90	2.883	2.142
47.819	-102.440	591.13	3.170	3.091
47.819	-102.445	592.72	2.645	2.416
47.819	-102.450	586.94	2.613	2.977
47.819	-102.455	588.75	2.367	2.735
47.819	-102.460	592.30	2.144	2.664
47.819	-102.466	591.23	1.732	2.340
47.819	-102.471	596.88	1.461	2.423
47.819	-102.478	607.68	1.274	2.549
47.819	-102.483	615.93	.745	1.679
47.819	-102.494	618.75	1.404	[illegible].747
47.819	-102.505	639.17	-.662	.365
47.819	-102.510	645.59	.771	[illegible].606
47.819	-102.511	644.06	-.500	1.065
47.825	-102.515	641.07	-.779	.457
47.826	-102.521	647.41	-1.128	-.040
47.826	-102.527	650.70	-1.252	.212
47.826	-102.532	659.57	-2.017	-1.191
47.832	-102.537	662.35	-1.943	-1.182
47.833	-102.541	672.82	-2.478	-2.079
47.833	-102.546	674.93	-2.424	-1.846
47.833	-102.552	677.41	-2.665	-2.078
47.838	-102.557	659.28	-6.488	-[illegible].504
47.840	-102.557	658.25	-3.301	-[illegible].239
47.842	-102.557	653.96	-2.782	-2.318
47.845	-102.557	650.33	-2.920	-2.666
47.849	-102.557	647.58	-2.685	-2.279
47.852	-102.557	647.93	-2.840	-2.673
47.855	-102.557	634.52	-2.833	-[illegible].743
47.859	-102.557	614.41	-3.438	-[illegible].089
47.862	-102.557	610.75	-2.975	-[illegible].146
47.866	-102.557	613.99	-3.465	-[illegible].236
47.869	-102.557	610.15	-3.313	-[illegible].909
47.875	-102.557	606.98	-3.144	-[illegible].628
47.880	-102.557	597.85	-3.015	-[illegible].394
47.883	-102.557	590.95	-3.153	-[illegible].695
47.887	-102.557	590.85	-2.920	-[illegible].196
47.890	-102.557	595.94	-4.114	-[illegible].673
47.891	-102.557	600.67	-3.979	-[illegible].379
47.894	-102.557	612.38	-3.524	-[illegible].438
47.897	-102.557	619.92	-3.394	-[illegible].150
47.901	-102.557	635.43	-3.614	-[illegible].506
47.904	-102.557	642.62	-3.451	-[illegible].055
47.908	-102.557	641.39	-3.483	-[illegible].066
47.911	-102.557	647.82	-3.412	-[illegible].949
47.915	-102.557	655.68	-3.614	-[illegible].243
47.918	-102.557	661.47	-3.199	-[illegible].328

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual grav'ty
47.922	-102.557	667.69	-4.538	-5.868
47.925	-102.557	654.79	-3.444	-3.549
47.929	-102.557	645.10	-3.564	-3.751
47.933	-102.557	638.08	-3.319	-3.077
47.935	-102.557	635.45	-2.381	-1.010
47.934	-102.557	635.30	-2.544	-1.385
47.934	-102.552	625.17	-2.239	-1.212
47.934	-102.547	622.81	-2.123	-.980
47.934	-102.542	617.51	-1.940	-.927
47.934	-102.536	611.79	-1.734	-.890
47.934	-102.530	607.41	-1.603	-.902
47.934	-102.525	603.38	-1.336	-.493
47.934	-102.520	600.74	-1.174	-.607
47.934	-102.514	600.04	-1.111	-.769
47.934	-102.509	598.62	-1.789	-2.587
47.934	-102.504	594.93	-.933	-1.062
47.935	-102.493	589.67	-.462	-.797
47.935	-102.472	576.35	.648	-.316
47.877	-102.423	571.60	3.596	.269
47.877	-102.418	572.65	3.868	.346
47.877	-102.478	584.27	.302	-1.286
47.877	-102.483	583.89	-.083	-1.902
47.877	-102.489	581.78	-.563	-2.204
47.877	-102.493	581.98	-.661	-2.150
47.877	-102.500	583.26	-1.176	-2.742
47.877	-102.505	584.83	-1.601	-3.342
47.877	-102.511	582.60	-1.772	-3.309
47.877	-102.516	582.76	-2.334	-4.183
47.877	-102.521	585.46	-2.777	-4.757
47.877	-102.527	586.93	-2.809	-4.354
47.877	-102.536	587.61	-3.314	-5.018
47.877	-102.541	589.43	-3.446	-5.032
47.877	-102.554	593.18	-3.867	-5.374
47.877	-102.563	611.26	-4.496	-6.228
47.877	-102.569	599.73	-4.268	-5.614
47.877	-102.574	593.72	-5.700	-8.478
47.877	-102.579	606.17	-4.438	-5.674
47.877	-102.586	615.53	-6.286	-9.245
47.875	-102.590	616.62	-6.131	-8.819
47.833	-102.381	570.48	4.027	-2.444
47.833	-102.386	569.52	3.957	-1.834
47.833	-102.381	570.48	3.057	-4.384
47.833	-102.386	569.52	3.541	-2.666
47.833	-102.391	575.03	3.381	-2.486
47.833	-102.395	584.22	2.109	-4.530
47.833	-102.402	608.55	3.223	-1.521
47.833	-102.407	618.77	3.092	-1.001
47.833	-102.413	603.55	3.113	-.334
47.833	-102.419	600.43	2.624	-.966
47.833	-102.425	599.94	1.107	-3.375

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.834	-102.429	617.17	3.059	1.063
47.833	-102.435	613.30	1.502	-1.431
47.833	-102.439	605.68	1.439	-1.179
47.833	-102.445	617.72	1.734	-.214
47.833	-102.450	628.98	2.672	2.346
47.833	-102.568	674.28	-.601	2.646
47.833	-102.579	671.38	-.423	3.252
47.862	-102.622	645.67	1.878	7.873
47.862	-102.600	648.05	2.103	7.885
47.862	-102.557	610.75	6.171	15.146
47.862	-102.536	610.44	11.788	25.318
47.914	-102.496	614.28	-1.172	-2.934
47.912	-102.499	618.86	7.561	14.828
47.908	-102.500	622.41	-.637	-1.579
47.906	-102.500	632.73	-.766	-1.895
47.905	-102.495	621.78	-.447	-1.516
47.903	-102.493	625.02	-.493	-1.767
47.899	-102.493	633.24	-1.116	-3.088
47.896	-102.493	632.82	-.457	-1.799
47.892	-102.493	634.49	-.373	-1.615
47.891	-102.493	638.36	-.706	-2.333
47.887	-102.493	638.10	-.580	-2.094
47.884	-102.494	621.51	-.542	-2.024
47.880	-102.493	598.21	-.956	-2.776
47.877	-102.493	581.98	-.593	-2.014
47.873	-102.493	579.39	-1.130	-3.072
47.869	-102.493	578.97	-.892	-2.548
47.866	-102.493	581.24	-.732	-2.206
47.862	-102.493	598.10	-.613	-1.828
47.898	-102.514	630.85	-1.532	-2.492
47.895	-102.514	624.30	-1.190	-1.876
47.909	-102.514	637.25	-1.469	-2.288
47.912	-102.514	627.68	-1.533	-2.358
47.916	-102.514	611.79	-1.387	-1.989
47.920	-102.514	607.08	-1.242	-1.578
47.924	-102.514	613.66	-1.653	-2.253
47.927	-102.514	606.26	-1.232	-1.300
47.931	-102.514	596.13	-1.450	-1.619
47.938	-102.514	618.93	-1.405	-1.253
47.942	-102.514	619.49	-.028	1.654
47.945	-102.514	615.45	-1.223	-.547
47.949	-102.514	615.24	-1.152	-.208
47.953	-102.514	605.54	-.805	.749
47.957	-102.514	594.60	-1.022	.425
47.960	-102.514	592.92	-.929	.841
47.963	-102.514	591.49	-.915	1.111
47.966	-102.514	590.82	-.770	1.580
47.970	-102.514	612.12	-1.140	1.088
47.949	-102.499	591.21	-.703	-.208
47.949	-102.507	608.82	.328	2.354

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligal]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.949	-102.510	615.53	-1.050	-0.215
47.949	-102.514	615.24	-.952	.192
47.949	-102.520	609.16	-1.245	-.042
47.949	-102.525	618.67	-1.675	-.527
47.949	-102.531	621.90	-1.821	-.632
47.949	-102.536	625.37	-1.714	-.168
47.949	-102.541	630.20	-1.824	-.075
47.949	-102.546	636.05	-1.989	-.280
47.949	-102.552	645.48	-2.333	-.656
47.949	-102.557	633.97	-1.936	.513
47.848	-102.536	640.98	-2.028	-1.912
47.851	-102.536	643.01	-2.098	-2.257
47.855	-102.536	633.58	-2.488	-3.102
47.858	-102.536	616.05	-2.022	-2.260
47.862	-102.536	610.44	-2.212	-2.682
47.866	-102.536	605.97	-2.290	-2.948
47.869	-102.536	600.70	-2.738	-3.903
47.873	-102.536	595.52	-2.770	-3.983
47.877	-102.536	587.61	-2.651	-3.692
47.880	-102.536	587.98	-2.632	-3.740
47.883	-102.536	595.40	-2.368	-3.201
47.884	-102.536	599.31	-2.752	-3.896
47.888	-102.536	618.12	-2.376	-3.241
47.891	-102.537	624.01	-2.250	-2.991
47.893	-102.539	628.32	-2.264	-2.785
47.896	-102.540	622.63	-1.945	-2.068
47.906	-102.563	646.97	-2.907	-2.927
47.906	-102.557	643.72	-2.741	-2.685
47.898	-102.563	618.62	-2.939	-2.985
47.898	-102.568	614.49	-2.950	-2.890
47.898	-102.573	614.54	-3.340	-3.545
47.898	-102.578	607.83	-3.536	-3.625
47.898	-102.584	602.10	-3.68PG7	-3.974
47.897	-102.589	584.35	-4.199	-5.010
47.897	-102.594	568.08	-4.303	-4.925
47.894	-102.596	565.73	-4.314	-5.005
47.890	-102.595	569.04	-4.529	-5.474
47.886	-102.597	574.22	-4.812	-6.105
47.885	-102.599	577.67	-4.429	-5.274
47.848	-102.600	668.34	-4.122	-4.225
47.964	-102.491	570.26	-.324	.870
47.963	-102.489	574.77	-.149	1.018
47.964	-102.484	571.91	-.284	.324
47.963	-102.478	587.24	-.226	-.011
47.964	-102.472	584.36	.416	.661
47.963	-102.467	584.89	.682	.868
47.963	-102.462	579.58	1.074	1.152
47.963	-102.457	569.92	.918	.362
47.963	-102.451	570.84	.984	-.100
47.965	-102.450	572.45	1.323	.807

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.963	-102.446	573.71	1.704	1.037
47.963	-102.440	573.60	2.041	1.023
47.964	-102.435	571.31	1.801	.119
47.964	-102.432	566.58	2.207	.431
47.978	-102.450	581.33	1.448	1.873
47.974	-102.450	578.86	1.230	1.143
47.971	-102.450	578.11	1.367	1.254
47.967	-102.450	574.47	1.172	.573
47.963	-102.451	570.88	1.034	C
47.959	-102.450	579.61	1.026	-.158
47.956	-102.450	577.60	.915	-.583
47.952	-102.450	577.66	1.063	-.467
47.949	-102.450	573.38	1.245	-.288
47.945	-102.450	571.95	1.142	-.754
47.941	-102.450	573.81	1.285	-.618
47.938	-102.450	574.99	1.130	-.992
47.930	-102.450	584.02	1.449	-.662
47.927	-102.450	580.09	1.612	-.483
47.924	-102.450	579.99	1.395	-1.079
47.920	-102.450	577.28	1.702	-.477
47.915	-102.450	585.46	2.733	1.463
47.913	-102.450	592.44	1.627	-.777
47.910	-102.450	588.95	1.651	-.834
47.906	-102.450	594.85	1.551	-1.101
47.902	-102.450	609.43	1.481	-1.315
47.899	-102.450	615.90	1.430	-1.368
47.895	-102.450	621.27	1.414	-1.365
47.891	-102.450	616.99	1.992	-.278
47.888	-102.450	625.16	1.827	-.696
47.884	-102.450	623.06	2.138	.071
47.880	-102.450	611.49	2.516	.849
47.877	-102.450	603.99	2.572	.908
47.873	-102.450	607.32	2.105	.011
47.869	-102.450	610.16	2.262	.334
47.866	-102.450	589.99	2.442	.844
47.898	-102.557	625.75	-3.074	-3.451
47.898	-102.551	636.94	-3.029	-3.736
47.898	-102.546	635.05	-2.729	-3.386
47.877	-102.579	606.17	-4.798	-6.394
47.873	-102.579	610.73	-4.839	-6.490
47.866	-102.579	631.21	-2.780	-2.303
47.858	-102.579	651.07	-4.000	-4.559
47.855	-102.579	650.75	-4.253	-5.007
47.852	-102.579	644.18	-4.137	-4.729
47.848	-102.582	647.24	-4.068	-4.426
47.898	-102.524	641.08	-3.787	-6.619
47.898	-102.519	641.22	-3.129	-5.428
47.898	-102.508	616.02	-2.180	-4.217
47.898	-102.503	624.94	-1.938	-4.116
47.898	-102.498	632.37	-1.678	-3.846

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milliga's]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.898	-102.493	634.78	-1.507	-3.817
47.898	-102.488	635.00	-1.024	-3.351
47.898	-102.483	633.55	-.755	-3.188
47.891	-102.514	608.05	-2.173	-3.900
47.887	-102.514	613.26	-2.115	-3.844
47.883	-102.514	608.37	-2.450	-4.407
47.879	-102.514	590.99	-2.340	-4.222
47.862	-102.622	645.67	-5.313	-6.509
47.859	-102.622	646.56	-4.563	-4.993
47.855	-102.622	644.48	-5.317	-6.448
47.851	-102.622	656.91	-5.101	-5.951
47.848	-102.617	654.30	-5.051	-5.833
47.848	-102.611	659.22	-4.728	-5.058
47.978	-101.958	633.84	3.374	4.924
47.961	-102.132	605.34	2.913	2.262
47.844	-101.829	660.05	-4.127	-4.243
47.841	-101.829	658.13	-4.209	-4.257
47.836	-101.829	661.70	-4.353	-4.455
47.829	-101.829	661.18	-4.568	-4.617
47.826	-101.829	661.15	-4.637	-4.646
47.822	-101.829	661.87	-4.868	-4.991
47.819	-101.829	663.62	-4.948	-5.026
47.814	-101.829	659.43	-4.214	-3.397
47.811	-101.829	658.62	-4.506	-3.922
47.807	-101.829	653.49	-4.826	-4.443
47.799	-101.829	647.53	-4.892	-4.269
47.796	-101.829	650.23	-4.947	-4.261
47.793	-101.829	651.12	-5.399	-5.062
47.790	-101.829	660.84	-5.846	-5.814
47.785	-101.829	656.46	-6.054	-6.077
47.775	-101.829	654.00	-6.534	-6.650
47.767	-101.829	651.07	-7.668	-8.653
47.764	-101.829	648.28	-7.362	-7.874
47.761	-101.829	639.80	-8.680	-10.428
47.758	-101.829	636.05	-7.529	-8.003
47.755	-101.829	638.35	-7.685	-8.150
47.751	-101.829	638.81	-7.930	-8.549
47.741	-101.829	637.62	-8.176	-8.578
47.738	-101.829	637.64	-8.459	-9.032
47.735	-101.829	636.58	-7.975	-7.942
47.732	-101.829	635.74	-8.233	-8.319
47.727	-101.829	637.51	-8.479	-8.570
47.724	-101.829	638.20	-8.684	-8.891
47.717	-101.829	638.91	-7.365	-5.975
47.713	-101.829	634.05	-7.530	-6.132
47.710	-101.829	628.57	-7.666	-6.248
47.707	-101.829	626.35	-8.455	-7.660
47.703	-101.829	625.72	-8.152	-6.867
47.699	-101.829	620.76	-8.009	-6.436
47.827	-101.850	659.11	-2.945	-1.967

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.823	-101.850	659.74	-3.270	-2.522
47.819	-101.850	655.63	-3.045	-1.895
47.815	-101.850	653.86	-3.250	-2.237
47.807	-101.850	652.79	-3.711	-2.879
47.797	-101.851	645.81	-4.240	-3.631
47.793	-101.851	651.14	-4.260	-3.487
47.790	-101.851	654.85	-4.409	-3.726
47.785	-101.851	652.91	-4.812	-4.367
47.783	-101.851	651.82	-4.511	-3.658
47.778	-101.851	646.54	-4.538	-3.548
47.775	-101.851	639.87	-5.142	-4.634
47.768	-101.851	644.28	-5.480	-5.056
47.761	-101.872	634.94	-6.080	-6.661
47.743	-101.850	638.09	-7.059	-7.176
47.739	-101.850	639.45	-7.148	-7.244
47.736	-101.850	637.08	-7.257	-7.270
47.729	-101.850	640.02	-7.707	-7.901
47.725	-101.850	638.61	-8.030	-8.383
47.717	-101.850	631.10	-8.398	-8.813
47.710	-101.850	624.34	-8.594	-8.903
47.707	-101.850	620.01	-8.676	-8.913
47.703	-101.850	614.52	-8.801	-8.944
47.699	-101.850	611.24	-8.911	-9.032
47.696	-101.850	610.12	-8.960	-8.938
47.692	-101.850	607.85	-9.141	-9.158
47.685	-101.850	604.82	-9.635	-9.806
47.681	-101.850	605.83	-10.000	-10.380
47.677	-101.850	605.36	-9.995	-10.195
47.674	-101.847	605.79	-10.121	-10.164
47.650	-101.844	615.38	-10.869	-10.333
47.736	-101.872	634.82	-6.625	-6.824
47.732	-101.872	633.16	-6.878	-7.114
47.729	-101.872	631.36	-7.076	-7.436
47.725	-101.872	628.14	-7.252	-7.601
47.722	-101.872	626.59	-7.342	-7.651
47.717	-101.872	625.48	-7.811	-8.414
47.714	-101.872	622.62	-7.808	-8.273
47.710	-101.872	613.99	-7.878	-8.229
47.703	-101.872	611.05	-8.306	-8.786
47.699	-101.872	606.43	-8.641	-9.298
47.696	-101.872	605.63	-8.756	-9.336
47.685	-101.872	606.71	-8.427	-8.234
47.681	-101.872	611.39	-8.722	-8.643
47.678	-101.872	611.79	-9.051	-9.172
47.674	-101.872	611.98	-9.071	-9.009
48.001	-101.893	635.89	.742	.524
47.998	-101.893	623.74	.761	.642
47.994	-101.893	624.52	1.765	2.673
47.990	-101.893	631.77	.797	.804
47.987	-101.893	634.59	.517	.261

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.983	-101.893	637.01	0.404	0.081
47.979	-101.893	638.86	.490	.327
47.976	-101.893	637.66	-.003	-.656
47.973	-101.893	642.39	-2.349	-5.278
47.965	-101.893	635.08	-2.175	-4.831
47.962	-101.893	636.36	-2.318	-5.065
47.958	-101.893	636.96	-2.279	-4.946
47.955	-101.893	636.16	-2.357	-5.044
47.951	-101.893	638.96	-2.443	-5.119
47.949	-101.893	638.48	-2.491	-5.187
47.945	-101.893	637.88	-2.583	-5.299
47.917	-101.893	638.65	-1.712	-3.061
47.913	-101.893	642.29	-.897	-1.303
47.909	-101.893	641.78	-.978	-1.438
47.906	-101.893	642.58	-1.083	-1.543
47.902	-101.893	647.42	-1.197	-1.681
47.898	-101.893	646.10	-1.278	-1.783
47.895	-101.893	650.25	-1.347	-1.822
47.891	-101.893	649.03	-1.472	-2.030
47.888	-101.893	649.82	-1.499	-1.993
47.884	-101.893	651.73	-1.593	-2.106
47.880	-101.893	649.95	-1.698	-2.179
47.877	-101.893	652.16	-1.885	-2.481
47.873	-101.893	656.64	-2.017	-2.650
47.869	-101.893	655.63	-2.106	-2.717
47.866	-101.893	656.84	-2.374	-3.217
47.859	-101.893	657.81	-2.558	-3.365
47.855	-101.893	658.10	-2.671	-3.524
47.851	-101.893	658.34	-2.647	-3.361
47.848	-101.893	657.05	-2.704	-3.410
47.790	-101.893	636.05	-2.197	-.615
47.761	-101.893	621.98	-3.488	-2.213
47.729	-101.893	617.03	-5.122	-4.224
47.725	-101.893	614.72	-5.059	-3.991
47.722	-101.893	614.98	-5.377	-4.446
47.709	-101.893	607.52	-5.845	-4.872
47.706	-101.893	608.48	-7.102	-7.287
47.692	-101.893	607.57	-7.395	-7.257
47.674	-101.893	619.02	-8.467	-8.566
47.670	-101.886	620.13	-11.315	-13.867
47.666	-101.886	618.62	-11.097	-13.244
47.663	-101.887	617.74	-10.682	-12.235
47.661	-101.886	618.78	-10.532	-11.847
47.657	-101.887	622.16	-6.018	-2.672
47.654	-101.887	625.31	-6.096	-2.690
47.651	-101.887	621.45	-7.611	-5.560
47.982	-101.915	633.98	.995	.889
47.974	-101.915	630.37	1.474	1.930
47.971	-101.915	636.27	1.056	1.117
47.963	-101.915	641.26	.981	1.065

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitud : west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.960	-101.915	641.35	0.873	0 916
47.949	-101.915	640.96	.789	.940
47.934	-101.915	646.24	.368	.313
47.927	-101.915	642.70	.202	.089
47.924	-101.915	641.97	-.111	-.438
47.920	-101.915	637.38	.202	.217
47.913	-101.915	638.47	-.033	-.081
47.909	-101.915	640.24	-.120	-.202
47.905	-101.915	648.12	-.213	-.301
47.902	-101.915	642.08	-.104	.006
47.898	-101.915	644.55	-.704	-1.145
47.891	-101.915	647.36	-1.170	-1.925
47.887	-101.915	651.69	-.768	-.997
47.884	-101.915	649.52	-.925	-1.283
47.877	-101.915	651.37	-1.087	-1.404
47.869	-101.915	654.79	-1.777	-2.614
47.855	-101.915	652.93	-2.055	-2.855
47.852	-101.915	651.50	-1.796	-2.265
47.848	-101.915	647.57	-1.982	-2.528
47.844	-101.915	646.16	-2.339	-3 091
47.840	-101.915	647.66	-1.994	-2.354
47.836	-101.915	650.51	-3.106	-4 433
47.829	-101.915	646.53	-2.104	-2.253
47.822	-101.915	645.68	-2.091	-2.050
47.819	-101.915	647.92	-2.924	-3 590
47.815	-101.915	646.67	-3.219	-4 044
47.811	-101.915	645.00	-2.900	-3 330
47.808	-101.915	635.65	-2.870	-3 132
47.801	-101.915	628.81	-2.862	-2.924
47.797	-101.915	632.14	-3.244	-3 534
47.793	-101.915	628.28	-3.103	-3 152
47.790	-101.915	626.19	-3.251	-3 335
47.782	-101.915	626.53	-3.832	-4 259
47.728	-101.915	604.81	-8.422	-11.503
47.725	-101.915	601.72	-8.574	-11.677
47.721	-101.915	604.60	-8.863	-12.146
47.714	-101.915	601.11	-9.186	-12.442
47.710	-101.915	602.56	-9.337	-12.605
47.706	-101.915	602.84	-8.748	-11.312
47.701	-101.915	601.39	-9.166	-11.901
47.945	-101.936	640.61	3.884	6 724
47.941	-101.936	641.77	3.818	6 654
47.938	-101.936	643.23	3.591	6 278
47.931	-101.936	639.45	3.241	5 664
47.927	-101.936	641.05	3.229	5 723
47.923	-101.937	642.72	3.160	5 576
47.823	-101.936	627.70	-2.623	-3 672
47.819	-101.936	625.92	-3.023	-4 320
47.815	-101.936	630.80	-3.198	-4 613
47.812	-101.937	625.55	-3.401	-4 932

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.808	-101.936	623.49	-3.469	-4.940
47.804	-101.936	622.76	-3.579	-5.024
47.800	-101.936	621.42	-3.739	-5.254
47.797	-101.937	613.68	-3.896	-5.477
47.794	-101.937	609.01	-4.079	-5.764
47.790	-101.936	616.19	-4.141	-5.731
47.786	-101.936	607.32	-3.995	-5.304
47.782	-101.936	618.32	-4.235	-5.694
47.779	-101.936	612.81	-4.356	-5.835
47.775	-101.936	606.78	-4.426	-5.795
47.774	-101.936	607.31	-4.728	-6.358
47.769	-101.936	612.52	-4.868	-6.484
47.765	-101.936	614.10	-5.068	-6.777
47.761	-101.936	614.69	-5.420	-7.324
47.758	-101.936	613.07	-5.695	-7.791
47.751	-101.936	611.08	-6.071	-8.298
47.746	-101.936	608.18	-6.290	-8.548
47.963	-101.958	637.95	2.841	4.008
47.960	-101.958	642.32	3.195	4.776
47.957	-101.958	642.72	3.347	5.117
47.953	-101.958	639.53	3.079	4.617
47.945	-101.958	642.49	3.821	6.235
47.942	-101.958	641.56	2.584	3.764
47.938	-101.958	641.83	2.479	3.613
47.934	-101.958	641.16	2.513	3.773
47.931	-101.958	644.27	2.507	3.786
47.891	-101.958	648.62	-1.100	-2.700
47.866	-101.958	647.58	-5.183	-10.377
47.862	-101.958	646.43	-3.118	-6.115
47.859	-101.958	648.05	-3.373	-6.570
47.855	-101.958	644.13	-3.335	-6.390
47.852	-101.958	643.38	-5.304	-10.248
47.848	-101.958	642.67	-5.456	-10.467
47.999	-101.980	631.25	5.788	9.248
47.995	-101.980	624.92	3.974	5.651
47.992	-101.980	624.84	4.076	5.878
47.989	-101.979	626.92	4.104	5.943
47.985	-101.980	631.06	4.299	6.363
47.981	-101.979	632.35	4.367	6.590
47.960	-101.980	638.44	2.867	3.739
47.956	-101.980	635.71	2.866	3.804
47.953	-101.980	635.52	2.804	3.730
47.717	-101.979	603.73	-4.261	-4.661
47.714	-101.979	604.35	-4.645	-5.322
47.707	-101.979	604.69	-5.016	-5.802
47.703	-101.979	604.83	-3.790	-3.175
47.699	-101.979	607.31	-5.523	-6.497
47.696	-101.979	611.46	-6.208	-7.716
47.692	-101.979	610.96	-5.663	-6.545
47.686	-101.979	620.70	-5.778	-6.484

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.682	-101.979	628.48	-6.442	-7.653
47.678	-101.979	626.44	-6.485	-7.541
47.674	-101.979	638.55	-8.050	-10.561
47.960	-102.000	623.37	3.470	4.664
47.956	-102.000	634.30	5.081	7.894
47.953	-102.000	635.05	3.884	5.547
47.949	-102.000	639.94	5.444	8.747
47.945	-102.000	645.58	3.241	4.380
47.937	-102.000	646.84	3.975	5.929
47.935	-102.001	650.56	4.034	6.066
47.931	-102.000	646.24	3.104	4.269
47.924	-102.000	647.15	6.777	11.727
47.920	-102.001	646.98	6.902	12.038
47.917	-102.001	645.99	6.166	10.570
47.913	-102.001	644.38	6.352	10.998
47.909	-102.001	645.49	2.140	2.669
47.905	-102.001	643.95	1.018	.479
47.902	-102.001	643.50	.716	-.090
47.895	-102.001	646.26	1.979	2.575
47.891	-102.001	645.64	1.643	1.937
47.887	-102.001	645.46	-1.475	-4.218
47.884	-102.001	645.24	-1.674	-4.575
47.880	-102.001	645.19	-1.838	-4.816
47.877	-102.001	644.82	-1.697	-4.436
47.877	-102.001	639.91	-2.769	-6.539
47.869	-102.001	638.39	-2.354	-5.626
47.848	-102.001	631.82	-.668	-1.824
47.837	-102.001	617.21	-1.113	-2.493
47.830	-102.001	619.63	-.933	-1.904
47.826	-102.001	621.56	-.894	-1.746
47.823	-102.001	619.27	-1.032	-1.976
47.819	-102.001	619.86	-.816	-1.419
47.797	-102.001	609.56	-1.369	-1.941
47.790	-102.001	603.11	-1.283	-1.578
47.775	-102.001	595.94	-2.000	-2.620
47.768	-102.001	594.87	-2.091	-2.603
47.765	-102.000	593.67	-1.933	-2.186
47.761	-102.001	588.42	-2.124	-2.397
47.743	-102.001	589.05	.298	2.970
47.739	-102.001	595.26	-.303	1.906
47.736	-102.001	599.34	-.443	1.766
47.978	-102.043	628.88	2.933	2.905
47.974	-102.043	629.88	2.932	2.940
47.971	-102.043	620.12	3.060	3.204
47.967	-102.043	607.80	3.125	3.367
47.963	-102.043	602.70	3.132	3.383
47.960	-102.043	611.24	4.233	5.614
47.956	-102.043	625.51	3.241	3.715
47.953	-102.043	628.02	3.240	3.737
47.946	-102.043	626.00	4.327	5.968

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.942	-102.043	633.24	3.296	3.926
47.938	-102.043	626.35	3.279	3.952
47.931	-102.043	636.19	3.620	4.702
47.927	-102.043	637.90	3.961	5.450
47.924	-102.043	642.80	4.628	6.823
47.916	-102.043	646.84	2.895	3.420
47.913	-102.043	649.24	2.657	3.000
47.910	-102.043	650.52	2.444	2.608
47.902	-102.043	646.59	2.086	1.987
47.898	-102.043	643.97	2.031	1.910
47.895	-102.043	641.65	1.685	1.283
47.891	-102.043	642.81	2.508	3.027
47.888	-102.043	645.34	1.255	.523
47.884	-102.043	638.73	.979	.078
47.880	-102.043	645.63	.804	-.224
47.874	-102.043	636.04	.572	-.564
47.870	-102.043	635.78	.370	-.908
47.867	-102.043	635.69	.905	.237
47.862	-102.043	635.68	.107	-1.333
47.856	-102.043	642.77	-.132	-1.673
47.852	-102.043	640.41	.730	.146
47.848	-102.043	636.80	.882	.540
47.826	-102.043	613.65	-.529	-1.856
47.825	-102.043	615.02	.173	-.443
47.816	-102.043	608.21	.409	.250
47.812	-102.043	607.13	.157	-.194
47.808	-102.043	604.44	.135	-.134
47.804	-102.043	606.12	.512	.742
47.803	-102.043	606.82	.877	1.476
47.798	-102.043	604.82	-.138	-.396
47.794	-102.043	601.82	-.877	-1.810
47.790	-102.043	597.45	-2.527	-4.975
47.786	-102.043	594.14	-2.907	-5.649
47.783	-102.043	593.61	-2.977	-5.683
47.779	-102.043	590.68	-2.301	-4.233
47.775	-102.043	589.64	-.940	-1.445
47.743	-102.044	581.26	-1.874	-2.331
47.735	-102.044	583.17	-2.687	-3.758
47.728	-102.044	585.40	-2.632	-3.387
47.725	-102.044	588.36	-2.777	-3.577
47.721	-102.044	587.46	-2.583	-3.065
47.717	-102.044	595.49	-2.606	-3.008
47.714	-102.044	596.39	-3.533	-4.748
47.710	-102.044	602.53	-3.224	-4.014
47.707	-102.044	608.22	-3.187	-3.784
47.699	-102.044	620.98	-4.125	-5.420
47.695	-102.044	616.79	-4.019	-5.064
47.692	-102.044	609.16	-4.059	-5.052
47.688	-102.044	613.87	-4.376	-5.538
47.685	-102.044	618.45	-4.632	-5.925

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.681	-102.044	621.05	-4.852	-6.236
47.674	-102.043	627.92	-5.222	-6.681
47.833	-102.065	640.61	1.894	2.472
47.818	-102.065	633.47	3.181	5.403
47.814	-102.065	629.49	2.301	3.681
47.811	-102.065	629.18	5.102	9.378
47.808	-102.065	632.18	5.361	9.936
47.804	-102.065	628.22	5.071	9.473
47.801	-102.065	626.10	4.549	8.491
47.797	-102.065	618.75	3.340	6.179
47.794	-102.065	613.15	2.633	4.873
47.790	-102.065	614.61	2.293	4.255
47.787	-102.065	613.67	1.426	2.589
47.783	-102.065	600.43	.930	1.692
47.775	-102.065	596.38	.917	1.852
47.743	-102.065	573.87	1.972	4.909
47.739	-102.065	579.16	1.282	3.605
47.735	-102.065	584.50	1.079	3.348
47.732	-102.065	582.90	1.090	3.482
47.728	-102.065	587.01	.921	3.243
47.725	-102.065	592.97	.847	3.203
47.721	-102.065	593.63	.726	3.075
47.713	-102.065	609.81	.441	2.749
47.710	-102.065	613.12	.467	2.904
47.706	-102.065	622.18	.142	2.391
47.703	-102.065	622.27	.029	2.291
47.699	-102.065	618.22	-.197	1.959
47.697	-102.065	613.85	-5.605	-8.797
47.693	-102.065	608.06	-5.385	-8.229
47.688	-102.065	603.35	-5.739	-8.760
47.685	-102.065	609.60	-5.808	-8.768
47.682	-102.065	613.03	-5.91	-8.852
47.679	-102.065	616.29	-5.991	-8.927
47.674	-102.058	620.29	-4.459	-5.527
47.667	-102.058	630.28	-5.032	-6.366
47.664	-102.058	637.99	-5.341	-6.875
47.661	-102.058	643.46	-6.032	-8.146
47.657	-102.058	643.17	-5.851	-7.618
47.654	-102.058	643.35	-5.933	-7.724
47.651	-102.057	635.43	-5.886	-7.470
47.978	-102.087	621.78	2.268	1.223
47.956	-102.087	599.02	2.917	2.643
47.953	-102.087	592.31	3.167	3.128
47.942	-102.087	625.95	3.253	3.398
47.938	-102.087	629.97	3.457	3.838
47.935	-102.087	631.16	3.389	3.718
47.930	-102.087	634.15	3.375	3.715
47.927	-102.087	634.03	3.391	3.775
47.924	-102.087	630.13	3.409	3.873
47.920	-102.087	634.92	3.285	3.680

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligal]

Latitude	Longitude	Altitude	Bouguer gravity	Reeldual gravity
47.917	-102.087	635.64	3.326	3.763
47.913	-102.087	636.67	3.427	4.044
47.909	-102.087	638.21	3.443	4.072
47.902	-102.087	643.30	3.480	4.275
47.898	-102.087	645.65	3.305	3.933
47.895	-102.087	646.26	3.305	3.991
47.891	-102.087	648.81	3.192	3.781
47.888	-102.087	649.71	3.208	3.888
47.884	-102.087	653.16	3.016	3.560
47.880	-102.087	656.49	3.037	3.616
47.877	-102.087	656.37	3.048	3.737
47.873	-102.087	653.73	2.555	2.786
47.869	-102.087	656.38	2.414	2.574
47.866	-102.087	657.84	2.440	2.672
47.862	-102.087	658.68	2.957	3.749
47.858	-102.087	661.17	3.311	4.522
47.855	-102.087	662.79	2.211	2.377
47.851	-102.087	664.47	2.074	2.205
47.848	-102.087	654.52	2.565	3.194
47.830	-102.086	649.04	2.522	3.451
47.822	-102.086	646.52	2.084	2.720
47.819	-102.086	651.09	1.874	2.413
47.793	-102.086	606.50	.818	.845
47.790	-102.086	607.18	.662	.595
47.783	-102.086	608.34	1.221	1.918
47.779	-102.086	604.58	1.325	2.178
47.775	-102.086	605.32	1.200	2.052
47.772	-102.086	600.78	1.005	1.779
47.768	-102.086	600.86	.936	1.683
47.765	-102.086	598.92	.939	1.774
47.761	-102.086	597.55	.860	1.718
47.754	-102.086	586.67	1.303	2.802
47.751	-102.086	581.70	1.522	3.382
47.714	-102.086	619.46	-2.109	-2.820
47.710	-102.086	610.15	-2.106	-2.673
47.706	-102.086	601.78	-2.258	-2.897
47.699	-102.086	605.67	-2.693	-3.549
47.696	-102.086	600.58	-2.779	-3.587
47.692	-102.086	595.41	-3.011	-3.919
47.688	-102.086	604.09	-3.338	-4.457
47.685	-102.086	606.20	-3.475	-4.592
47.681	-102.086	613.97	-2.621	-2.786
47.677	-102.086	618.40	-3.992	-5.359
47.906	-102.108	639.74	3.424	3.891
47.862	-102.108	659.01	4.711	7.034
47.790	-102.108	614.74	2.479	3.919
47.775	-102.108	599.94	2.078	3.459
47.732	-102.108	577.55	-1.936	-3.432
47.728	-102.108	598.64	-1.212	-1.860
47.725	-102.108	604.79	-1.692	-2.757

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.721	-102.108	611.25	-0.564	-0.410
47.717	-102.108	601.61	-1.421	-2.002
47.712	-102.108	606.74	-2.013	-2.984
47.708	-102.108	602.44	-2.232	-3.331
47.705	-102.108	584.85	-2.299	-3.365
47.702	-102.108	596.04	-2.390	-3.417
47.699	-102.108	604.20	-2.725	-4.048
47.696	-102.108	604.78	-2.635	-3.728
47.692	-102.108	610.40	-1.973	-2.287
47.688	-102.108	620.94	-3.666	-5.555
47.685	-102.108	628.87	-3.500	-5.087
47.682	-102.108	629.71	-3.662	-5.308
47.679	-102.108	630.49	-5.368	-8.623
47.674	-102.108	633.73	-4.218	-6.163
47.999	-102.129	644.60	1.295	-.997
47.995	-102.129	646.68	1.342	-.877
47.992	-102.129	648.09	1.353	-.872
47.989	-102.129	647.72	1.548	-.485
47.985	-102.129	644.54	1.805	.061
47.982	-102.129	642.27	1.973	.355
47.978	-102.129	642.51	2.007	.470
47.975	-102.129	634.87	2.332	1.131
47.971	-102.129	625.43	2.363	1.162
47.968	-102.129	612.32	2.570	1.626
47.964	-102.129	609.20	2.696	1.860
47.960	-102.129	605.26	2.869	2.200
47.956	-102.129	592.45	3.024	2.541
47.953	-102.129	588.81	3.166	2.851
47.949	-102.129	588.80	3.315	3.155
47.949	-102.129	588.80	3.207	2.939
47.945	-102.129	587.88	3.364	3.321
47.937	-102.129	601.84	3.430	3.456
47.934	-102.129	606.47	3.381	3.418
47.931	-102.129	613.40	3.474	3.582
47.927	-102.129	616.52	3.509	3.711
47.924	-102.129	623.45	3.776	4.271
47.920	-102.129	625.80	3.367	3.455
47.916	-102.129	629.90	3.467	3.689
47.912	-102.129	635.36	3.409	3.622
47.906	-102.129	644.73	2.919	2.681
47.902	-102.129	645.52	3.033	2.963
47.898	-102.129	649.68	2.951	2.853
47.895	-102.129	654.25	3.088	3.122
47.891	-102.129	654.91	3.957	4.956
47.887	-102.129	653.53	3.998	5.013
47.884	-102.129	656.53	2.827	2.758
47.879	-102.129	658.22	3.280	3.693
47.877	-102.129	660.61	4.650	6.479
47.833	-102.129	673.40	3.828	5.459
47.830	-102.129	672.24	2.535	2.934

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.826	-102.129	666.55	2.581	3.118
47.822	-102.129	660.77	2.643	3.310
47.819	-102.129	649.50	2.555	3.180
47.815	-102.129	637.79	2.459	3.055
47.812	-102.129	632.70	2.422	3.056
47.808	-102.129	634.41	1.866	2.014
47.804	-102.129	634.27	2.179	2.708
47.802	-102.129	632.37	1.884	2.205
47.798	-102.129	625.50	1.659	1.787
47.795	-102.129	624.62	1.604	1.768
47.790	-102.129	620.35	1.593	1.827
47.785	-102.129	616.32	1.464	1.697
47.779	-102.129	609.72	2.300	3.507
47.775	-102.129	609.79	.892	.789
47.771	-102.129	607.37	1.066	1.193
47.768	-102.129	600.09	.947	1.047
47.765	-102.129	603.08	.501	.257
47.761	-102.129	603.37	.449	.213
47.757	-102.129	607.25	.088	-.433
47.753	-102.129	612.37	.935	1.393
47.750	-102.129	609.01	-.369	-1.156
47.669	-102.121	660.24	-2.558	-2.973
47.664	-102.121	646.79	-2.627	-2.942
47.661	-102.121	653.77	-2.893	-3.311
47.658	-102.121	652.58	-2.894	-3.217
47.653	-102.121	642.17	-2.407	-2.087
47.650	-102.121	636.41	-5.514	-8.202
47.647	-102.120	627.81	-5.547	-8.101
48.000	-102.150	635.99	1.896	.193
47.996	-102.150	639.64	1.827	.032
47.992	-102.150	643.90	2.022	.432
47.989	-102.150	633.47	2.148	.666
47.985	-102.150	631.10	2.365	1.121
47.981	-102.150	627.39	2.428	1.223
47.978	-102.150	628.92	2.623	1.615
47.974	-102.150	617.16	2.690	1.789
47.971	-102.150	610.90	2.775	1.910
47.967	-102.150	603.83	2.854	2.097
47.964	-102.150	610.32	2.962	2.292
47.961	-102.150	610.16	3.003	2.391
47.958	-102.150	602.34	3.143	2.711
47.953	-102.151	585.50	3.585	3.538
47.949	-102.150	583.97	3.635	3.726
47.946	-102.150	587.42	3.662	3.803
47.938	-102.151	608.44	4.067	4.611
47.935	-102.151	612.71	3.944	4.348
47.931	-102.150	614.84	4.219	4.995
47.927	-102.150	617.64	4.234	5.005
47.924	-102.150	618.81	4.373	5.333
47.920	-102.151	622.51	4.262	5.119

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.917	-102.151	626.87	4.173	4.967
47.913	-102.151	633.57	4.218	5.047
47.909	-102.151	639.53	4.275	5.209
47.906	-102.151	640.09	4.274	5.235
47.902	-102.151	643.22	4.221	5.128
47.898	-102.151	648.57	4.179	5.094
47.894	-102.151	651.79	4.199	5.202
47.891	-102.151	659.21	4.169	5.186
47.887	-102.151	663.09	4.095	5.050
47.884	-102.151	662.95	4.008	4.885
47.880	-102.151	665.80	4.001	4.956
47.877	-102.151	666.47	3.818	4.632
47.873	-102.151	666.26	4.002	5.033
47.869	-102.151	669.93	4.042	5.156
47.866	-102.151	668.83	3.937	5.012
47.862	-102.151	668.18	3.901	4.954
47.859	-102.151	671.08	3.831	4.863
47.855	-102.151	672.79	4.193	5.658
47.852	-102.151	670.35	4.243	5.748
47.848	-102.151	665.64	4.190	5.758
47.841	-102.151	666.48	4.149	5.725
47.838	-102.151	662.01	3.834	5.140
47.830	-102.151	663.92	3.897	5.436
47.826	-102.151	658.16	3.858	5.385
47.823	-102.151	657.79	3.796	5.329
47.819	-102.151	661.73	3.628	5.046
47.815	-102.151	650.90	3.672	5.203
47.812	-102.151	645.54	3.526	4.979
47.808	-102.150	637.56	3.257	4.515
47.804	-102.151	634.07	2.979	4.038
47.801	-102.151	629.15	2.822	3.765
47.797	-102.151	631.19	2.696	3.614
47.794	-102.151	622.75	2.629	3.549
47.790	-102.151	625.77	2.574	3.508
48.000	-102.172	630.20	2.256	.862
47.996	-102.172	629.52	2.384	1.127
47.978	-102.172	608.43	2.408	1.143
47.963	-102.172	595.60	2.953	2.252
47.949	-102.172	582.70	3.222	2.800
47.945	-102.172	593.43	3.292	2.939
47.942	-102.172	601.08	3.411	3.205
47.938	-102.172	603.71	3.478	3.322
47.934	-102.172	605.50	3.483	3.368
47.928	-102.172	617.66	3.663	3.788
47.924	-102.172	621.56	3.710	3.849
47.920	-102.172	627.03	3.728	3.967
47.857	-102.172	680.44	4.523	6.122
47.853	-102.172	671.16	4.866	6.816
47.848	-102.172	671.38	4.075	5.304
47.837	-102.172	659.98	2.140	1.616

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.830	-102.172	654.04	2.858	3.133
47.826	-102.172	650.30	3.939	5.400
47.820	-102.172	649.91	2.756	3.071
47.819	-102.172	651.68	3.843	5.278
47.812	-102.172	642.21	2.587	2.875
47.807	-102.172	644.05	3.526	4.862
47.804	-102.172	641.64	2.249	2.341
47.800	-102.172	636.55	3.947	5.817
47.797	-102.172	635.71	2.661	3.347
47.793	-102.172	633.49	2.656	3.349
47.786	-102.172	623.68	2.635	3.462
47.782	-102.172	621.54	2.493	3.248
47.779	-102.172	619.76	3.273	4.915
47.993	-102.193	606.21	2.575	1.457
47.989	-102.193	610.93	2.581	1.480
47.985	-102.193	604.36	2.618	1.543
47.981	-102.193	599.87	2.606	1.510
47.978	-102.193	599.07	3.079	2.459
47.974	-102.193	600.34	2.783	1.897
47.971	-102.193	598.62	2.809	1.951
47.967	-102.193	603.35	2.817	1.911
47.963	-102.194	586.09	2.833	1.970
47.960	-102.193	586.89	2.840	2.005
47.957	-102.193	595.39	2.815	1.926
47.952	-102.193	580.11	3.018	2.367
47.949	-102.190	582.43	3.129	2.609
47.946	-102.193	587.56	3.034	2.423
47.943	-102.193	592.78	3.194	2.694
47.939	-102.193	596.89	3.164	2.698
47.935	-102.194	605.95	3.213	2.788
47.932	-102.193	610.61	3.243	2.834
47.928	-102.193	610.84	3.397	3.165
47.924	-102.193	617.74	3.301	3.022
47.920	-102.193	622.37	3.374	3.167
47.916	-102.194	621.48	3.570	3.583
47.913	-102.194	626.04	3.656	3.789
47.909	-102.194	635.27	3.636	3.754
47.906	-102.193	647.65	3.705	3.884
47.903	-102.194	651.62	3.647	3.827
47.898	-102.194	653.80	3.710	3.975
47.895	-102.194	653.29	3.760	4.111
47.891	-102.193	663.41	3.562	3.746
47.887	-102.194	665.17	3.524	3.655
47.883	-102.194	663.80	3.607	3.882
47.880	-102.194	670.48	3.856	4.381
47.877	-102.194	672.30	3.589	3.883
47.870	-102.194	669.91	3.669	4.151
47.866	-102.194	675.54	3.670	4.152
47.862	-102.194	674.12	3.636	4.155
47.858	-102.193	678.57	3.643	4.230

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residua' gravity
47.855	-102.194	668.40	3.663	4.298
47.851	-102.193	669.21	3.757	4.531
47.848	-102.193	651.49	3.828	4.700
47.823	-102.194	640.59	3.756	4.908
47.819	-102.194	643.50	3.510	4.475
47.815	-102.194	639.11	4.042	5.557
47.812	-102.193	630.56	3.619	4.803
47.808	-102.193	630.59	3.733	5.057
47.999	-102.215	576.22	2.374	1.147
47.995	-102.215	580.89	2.216	.842
47.992	-102.215	595.59	2.355	1.084
47.988	-102.215	593.53	2.354	1.054
47.985	-102.215	590.65	2.317	.980
47.981	-102.215	588.12	2.401	1.180
47.974	-102.215	586.44	2.511	1.326
47.970	-102.215	579.00	2.416	1.175
47.967	-102.215	578.49	2.460	1.223
47.959	-102.215	591.03	2.482	1.283
47.956	-102.215	594.54	2.597	1.512
47.953	-102.215	590.66	2.585	1.493
47.949	-102.215	578.07	2.576	1.471
47.945	-102.215	581.43	2.709	1.770
47.942	-102.215	590.39	2.669	1.698
47.938	-102.215	597.34	2.876	2.103
47.934	-102.215	608.12	2.733	1.792
47.930	-102.215	616.21	2.621	1.620
47.927	-102.215	610.33	2.689	1.749
47.924	-102.215	613.26	2.753	1.911
47.916	-102.215	624.30	2.933	2.282
47.913	-102.215	623.09	2.887	2.192
47.909	-102.215	617.35	3.113	2.672
47.905	-102.215	627.08	3.110	2.660
47.902	-102.215	644.55	3.264	3.020
47.898	-102.215	645.68	3.201	2.885
47.894	-102.215	653.11	3.182	2.877
47.891	-102.215	655.13	3.197	2.953
47.887	-102.215	660.36	3.315	3.185
47.883	-102.215	661.18	3.415	3.444
47.880	-102.215	661.83	3.489	3.600
47.873	-102.215	672.54	3.442	3.563
47.870	-102.215	669.70	3.526	3.783
47.866	-102.215	671.40	3.714	4.182
47.862	-102.215	673.72	3.733	4.217
47.862	-102.215	673.72	4.154	5.059
47.858	-102.215	662.89	3.867	4.559
47.854	-102.215	661.92	3.721	4.293
47.850	-102.215	658.36	3.787	4.501
47.848	-102.215	644.29	3.830	4.605
47.830	-102.215	640.14	3.675	4.473
47.826	-102.215	635.37	3.678	4.545

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligal's]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.822	-102.215	630.30	3.490	4.256
47.819	-102.215	626.12	3.508	4.336
47.815	-102.215	624.53	3.332	4.022
47.811	-102.215	623.62	3.364	4.155
47.804	-102.215	621.19	3.255	4.026
47.603	-101.849	630.83	-12.063	-10.498
47.603	-101.853	632.14	-11.949	-10.426
47.603	-101.860	636.05	-10.864	-8.544
47.603	-101.865	641.48	-11.977	-10.977
47.603	-101.870	652.47	-11.741	-10.702
47.603	-101.875	664.04	-11.871	-11.190
47.603	-101.878	651.90	-11.867	-11.273
47.603	-101.882	646.22	-12.596	-12.882
47.603	-101.913	644.86	-10.958	-10.871
47.603	-101.918	640.18	-10.608	-10.358
47.603	-101.924	628.92	-10.643	-10.614
47.603	-101.929	636.51	-3.668	3.146
47.603	-101.936	626.45	-3.103	4.001
47.603	-101.936	626.46	-2.060	6.087
47.603	-101.941	621.66	-2.209	5.609
47.603	-101.945	627.85	-4.473	.925
47.603	-101.950	630.69	-4.541	.679
47.603	-101.954	623.72	-4.638	.282
47.603	-101.959	611.99	-4.239	.898
47.603	-101.966	604.67	-.871	7.417
47.603	-101.972	600.12	-3.325	2.283
47.603	-101.983	617.14	-6.644	-4.691
47.603	-101.988	616.83	-6.724	-5.001
47.603	-101.993	606.79	-6.650	-5.032
47.603	-101.999	601.64	-6.642	-5.212
47.603	-102.004	595.66	-6.427	-4.922
47.603	-102.009	597.62	-6.831	-5.927
47.603	-102.014	596.81	-6.557	-5.543
47.603	-102.019	593.77	-6.566	-5.662
47.603	-102.024	595.57	-8.726	-10.155
47.603	-102.030	600.18	-8.262	-9.408
47.603	-102.037	612.50	-8.161	-9.400
47.603	-102.044	615.92	-7.610	-8.524
47.603	-102.048	618.17	-6.997	-7.418
47.646	-101.822	603.76	-11.368	-10.294
47.646	-101.832	617.14	-10.642	-9.200
47.646	-101.838	614.00	-10.544	-9.272
47.646	-101.843	617.82	-10.936	-10.246
47.646	-101.849	622.38	-10.251	-9.163
47.646	-101.854	624.94	-10.224	-9.300
47.646	-101.860	624.54	-10.316	-9.742
47.646	-101.865	619.98	-10.302	-9.926
47.646	-101.874	611.22	-10.102	-9.815
47.646	-101.880	611.80	-10.149	-10.145
47.646	-101.886	614.26	-9.375	-8.850

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.646	-101.893	613.94	-9.345	-9.046
47.646	-101.899	626.35	-9.254	-9.083
47.646	-101.903	632.73	-9.296	-9.310
47.646	-101.908	630.82	-10.823	-12.552
47.646	-101.913	634.65	-10.740	-12.567
47.646	-101.918	639.82	-5.596	-2.481
47.646	-101.924	645.10	-5.202	-1.906
47.646	-101.929	641.08	-4.876	-1.379
47.646	-101.935	643.81	-4.864	-1.597
47.646	-101.940	650.11	-5.042	-2.104
47.646	-101.945	652.44	-5.020	-2.248
47.646	-101.950	651.53	-5.058	-2.481
47.646	-101.961	650.73	-7.961	-8.630
47.646	-101.967	654.13	-7.748	-8.386
47.646	-101.972	653.92	-7.537	-8.151
47.646	-101.977	649.33	-7.706	-8.638
47.646	-101.982	653.92	-7.585	-8.560
47.646	-101.987	663.11	-7.726	-9.016
47.646	-101.993	661.42	-7.593	-8.867
47.646	-101.999	663.94	-8.126	-10.129
47.646	-102.004	666.14	-7.676	-9.416
47.646	-102.009	661.36	-7.619	-9.435
47.646	-102.015	652.46	-7.594	-9.591
47.646	-102.021	651.57	-7.355	-9.220
47.646	-102.025	647.80	-7.390	-9.415
47.646	-102.031	654.89	-7.457	-9.735
47.646	-102.036	656.18	-6.630	-8.239
47.646	-102.041	651.99	-6.396	-7.902
47.646	-102.048	643.48	-5.779	-6.833
47.646	-102.052	638.79	-5.893	-7.146
47.646	-102.057	640.52	-5.663	-6.828
47.646	-102.063	628.35	-4.771	-5.214
47.646	-102.068	634.68	-4.638	-5.091
47.646	-102.073	633.55	-4.847	-5.563
47.646	-102.078	628.30	-5.049	-6.149
47.646	-102.083	627.08	-4.438	-4.995
47.646	-102.089	626.35	-4.532	-5.371
47.646	-102.094	629.20	-4.449	-5.312
47.646	-102.099	632.05	-5.095	-6.733
47.646	-102.106	635.35	-3.119	-2.888
47.646	-102.111	631.82	-5.203	-7.173
47.646	-102.115	627.66	-5.347	-7.555
47.674	-101.843	603.10	-10.057	-9.846
47.674	-101.853	607.79	-10.291	-10.715
47.674	-101.857	607.38	-10.199	-10.701
47.674	-101.862	608.02	-10.319	-11.152
47.674	-101.877	611.44	-9.911	-10.892
47.674	-101.882	611.53	-9.874	-11.011
47.674	-101.887	612.39	-9.755	-10.939
47.674	-101.898	619.58	-9.633	-11.062

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milliga's]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.674	-101.904	618.54	-9.626	-11.288
47.674	-101.909	618.07	-9.390	-11.014
47.674	-101.913	620.74	-9.430	-11.241
47.674	-101.919	620.30	-9.118	-10.757
47.674	-101.925	622.36	-8.912	-10.542
47.674	-101.930	622.33	-8.676	-10.269
47.674	-101.936	623.00	-8.890	-10.918
47.674	-101.994	634.60	-7.603	-10.108
47.674	-101.998	633.32	-7.541	-10.121
47.674	-102.005	641.01	-7.572	-10.355
47.674	-102.012	638.72	-7.864	-11.140
47.674	-102.017	631.55	-7.112	-9.812
47.674	-102.022	629.82	-7.002	-9.698
47.674	-102.029	630.31	-7.085	-10.050
47.674	-102.054	624.37	-6.511	-9.493
47.674	-102.059	618.57	-6.429	-9.468
47.674	-102.063	616.57	-6.831	-10.354
47.674	-102.068	613.37	-9.679	-16.199
47.674	-102.074	615.28	-7.211	-11.416
47.674	-102.079	621.45	-6.828	-10.752
47.674	-102.084	625.52	-4.889	-7.014
47.674	-102.090	624.82	-3.886	-5.143
47.674	-102.094	628.52	-4.469	-6.377
47.674	-102.099	637.49	-4.438	-6.398
47.674	-102.103	635.78	-4.291	-6.159
47.688	-101.824	610.19	-10.579	-10.854
47.688	-101.829	608.45	-9.810	-9.521
47.688	-101.834	604.70	-9.459	-9.036
47.688	-101.840	608.38	-10.120	-10.561
47.688	-101.846	606.07	-9.827	-10.203
47.688	-101.851	605.63	-9.873	-10.507
47.688	-101.860	604.70	-9.942	-10.970
47.688	-101.865	604.90	-9.604	-10.491
47.688	-101.899	613.39	-9.122	-10.727
47.688	-101.904	618.87	-8.996	-10.641
47.688	-101.915	616.44	-8.638	-10.339
47.688	-101.921	613.81	-8.846	-10.918
47.688	-101.979	615.73	-6.092	-7.246
47.688	-101.990	620.98	-5.346	-6.048
47.688	-101.996	620.24	-5.376	-6.288
47.688	-102.001	618.68	-5.206	-6.040
47.688	-102.007	615.70	-4.955	-5.703
47.688	-102.011	616.23	-4.798	-5.512
47.688	-102.017	620.51	-4.745	-5.596
47.688	-102.022	619.48	-4.666	-5.563
47.688	-102.027	613.86	-4.252	-4.889
47.688	-102.033	610.35	-4.185	-4.857
47.688	-102.054	606.41	-5.353	-7.758
47.688	-102.060	606.74	-5.374	-7.890
47.703	-101.856	611.52	-8.201	-7.980

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.703	-101.861	612.86	-8.213	-8.185
47.703	-101.867	611.40	-8.033	-8.051
47.703	-101.878	610.72	-7.823	-8.034
47.703	-101.883	608.24	-7.805	-8.164
47.703	-101.888	607.74	-7.649	-8.024
47.703	-101.899	606.15	-7.617	-8.365
47.703	-101.904	603.71	-7.482	-8.259
47.703	-101.910	604.28	-7.267	-8.009
47.703	-101.915	605.26	-7.197	-8.047
47.703	-101.921	598.40	-6.972	-7.824
47.703	-101.926	603.05	-5.720	-5.468
47.703	-101.931	598.09	-6.455	-7.052
47.703	-101.936	603.71	-6.301	-6.960
47.703	-101.947	607.51	-5.781	-6.238
47.703	-101.952	603.95	-5.514	-5.866
47.703	-101.958	605.36	-5.292	-5.549
47.703	-101.964	606.69	-5.157	-5.461
47.703	-101.968	605.47	-5.082	-5.498
47.703	-101.974	606.58	-4.813	-5.099
47.703	-101.985	602.11	-4.302	-4.372
47.703	-101.989	601.69	-4.060	-4.046
47.703	-101.995	604.22	-3.759	-3.615
47.703	-102.001	603.37	-3.478	-3.163
47.703	-102.006	602.96	-3.362	-3.109
47.703	-102.011	603.51	-3.202	-2.892
47.703	-102.017	603.36	-3.221	-3.125
47.703	-102.022	602.15	-3.148	-3.104
47.703	-102.027	599.31	-2.907	-2.692
47.703	-102.033	605.93	-2.975	-2.998
47.703	-102.038	611.56	-2.834	-2.827
47.703	-102.049	617.98	-2.869	-3.179
47.703	-102.054	620.13	-2.714	-2.961
47.703	-102.060	626.14	-2.524	-2.731
47.703	-102.069	621.49	-2.354	-2.586
47.703	-102.081	607.75	-1.781	-1.691
47.703	-102.086	598.59	-1.658	-1.551
47.703	-102.092	606.06	-1.608	-1.601
47.703	-102.097	593.68	-1.434	-1.370
47.717	-101.942	595.84	-8.217	-11.495
47.717	-101.947	598.27	-8.074	-11.367
47.717	-101.953	600.23	-2.561	-.504
47.717	-101.958	601.37	-2.213	.005
47.717	-101.963	603.37	-4.178	-4.074
47.717	-101.969	603.90	2.149	8.408
47.717	-101.974	604.41	-.778	2.446
47.717	-101.985	603.36	-3.621	-3.576
47.717	-101.990	601.47	-3.546	-3.552
47.717	-102.001	597.56	-3.391	-3.484
47.717	-102.006	599.53	-3.163	-3.198
47.717	-102.011	594.25	-2.881	-2.751

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.717	-102.016	592.87	-2.846	-2.814
47.717	-102.022	590.38	-2.840	-2.987
47.717	-102.027	591.01	-2.643	-2.664
47.717	-102.033	591.85	-1.533	-.600
47.717	-102.038	591.83	-1.468	-.574
47.717	-102.049	595.87	-1.618	-1.155
47.717	-102.055	598.13	-1.465	-.943
47.717	-102.060	599.76	-1.301	-.747
47.717	-102.065	602.28	-1.249	-.747
47.717	-102.071	604.01	-.880	-.178
47.717	-102.076	607.75	-1.929	-2.321
47.717	-102.081	613.80	-1.890	-2.360
47.717	-102.086	617.87	-1.711	-2.104
47.717	-102.093	615.29	-1.782	-2.418
47.717	-102.098	611.10	-1.636	-2.219
47.717	-102.103	603.96	-1.515	-2.072
47.717	-102.115	598.83	-2.280	-3.820
47.717	-102.126	591.84	-1.275	-2.015
47.717	-102.130	578.10	-1.154	-1.852
47.732	-101.823	635.98	-6.189	-3.979
47.732	-101.835	634.61	-5.985	-4.073
47.732	-101.840	635.68	-9.838	-11.913
47.732	-101.845	636.33	-9.844	-12.097
47.732	-101.861	638.12	-7.385	-7.802
47.732	-101.866	641.01	-7.515	-8.243
47.732	-101.877	630.91	-7.177	-7.909
47.732	-101.882	628.15	-7.210	-8.147
47.732	-101.887	617.21	-6.537	-6.951
47.732	-101.899	612.96	-6.350	-6.973
47.732	-101.904	610.93	-6.334	-7.092
47.732	-101.920	607.02	-6.102	-7.188
47.732	-101.926	604.43	-6.072	-7.269
47.732	-101.931	605.49	-6.199	-7.673
47.732	-101.936	602.72	-1.635	1.280
47.732	-101.942	601.03	-1.614	1.138
47.732	-101.946	598.46	-1.478	1.303
47.732	-101.950	594.81	-2.184	-.219
47.732	-101.958	591.72	-1.854	.222
47.732	-101.985	598.51	-4.057	-4.941
47.732	-101.990	600.25	-3.963	-4.892
47.732	-101.995	600.04	-3.618	-4.328
47.732	-102.001	598.90	-3.686	-4.629
47.732	-102.008	597.47	-3.455	-4.337
47.732	-102.012	595.60	-3.266	-4.029
47.732	-102.017	589.96	-3.085	-3.826
47.732	-102.022	591.95	-2.912	-3.571
47.732	-102.028	591.14	-2.937	-3.790
47.732	-102.033	587.45	-2.621	-3.235
47.732	-102.038	582.59	-2.485	-3.072
47.746	-101.834	638.36	-8.775	-10.158

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.746	-101.845	640.18	-8.780	-10 582
47.746	-101.860	636.32	-8.493	-10 512
47.746	-101.866	636.15	-8.166	-10 094
47.746	-101.878	630.11	-7.996	-10 143
47.746	-101.884	630.94	-8.110	-10 566
47.746	-101.899	628.89	-7.328	-9.517
47.746	-101.904	622.09	-5.044	-5 105
47.746	-101.909	619.77	-4.091	-3 311
47.746	-101.919	609.82	-7.340	-10 119
47.746	-101.924	611.01	-7.136	-9.883
47.746	-101.929	614.08	-6.526	-8 819
47.746	-101.941	602.25	-5.934	-7.962
47.746	-101.947	604.83	-5.684	-7.659
47.746	-101.952	604.83	-2.396	-1.237
47.746	-101.958	600.62	-2.024	-.610
47.746	-101.966	599.14	-1.682	-.193
47.746	-101.970	597.52	-1.170	.723
47.746	-101.974	597.04	-1.165	.646
47.746	-101.979	594.87	-.871	1.109
47.746	-101.987	588.09	-1.037	.543
47.746	-101.996	585.90	-.396	1.629
47.746	-102.001	589.14	-.451	1.394
47.746	-102.011	589.43	-.023	1.970
47.746	-102.036	583.10	.725	2.903
47.746	-102.049	576.41	-1.265	-1.333
47.746	-102.054	576.75	-1.097	-1.122
47.746	-102.073	576.25	-.411	-.134
47.746	-102.077	577.63	-.115	.366
47.746	-102.081	580.13	-.057	.426
47.746	-102.092	590.41	-.531	-.763
47.746	-102.097	594.36	.328	.861
47.746	-102.108	596.87	.548	1.144
47.746	-102.113	590.31	.810	1.573
47.746	-102.119	602.41	.598	1.039
47.746	-102.125	608.44	.881	1.550
47.761	-101.942	612.77	-3.464	-3 608
47.761	-101.950	607.93	-3.259	-3.383
47.761	-101.955	607.32	-3.178	-3 404
47.761	-101.960	600.49	-3.059	-3 273
47.761	-101.965	595.57	-2.910	-3 088
47.761	-101.996	589.91	-2.256	-2.603
47.761	-102.022	581.93	-1.594	-1.871
47.761	-102.027	586.64	-1.252	-1.304
47.761	-102.033	587.24	-1.114	-1.114
47.775	-101.958	598.67	-1.915	-1.355
47.775	-102.055	590.74	.618	1.453
47.775	-102.060	594.05	.877	1.868
47.775	-102.065	595.75	1.045	2.156
47.775	-102.071	599.18	1.442	2.810
47.775	-102.076	601.26	1.711	3.276

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.775	-102.081	604.51	1.659	3.056
47.775	-102.089	602.67	2.424	4.461
47.775	-102.177	616.36	5.900	10.166
47.790	-101.836	653.58	-2.697	.203
47.790	-101.840	652.94	-2.498	.476
47.790	-101.846	654.63	-2.239	.784
47.790	-101.855	650.39	-1.830	1.326
47.790	-101.861	650.03	-1.482	1.858
47.790	-101.867	647.77	-1.392	1.835
47.790	-101.878	640.79	-1.17	1.888
47.790	-101.883	638.96	-.788	2.488
47.790	-101.966	615.38	1.130	4.059
47.790	-101.970	606.66	1.411	4.531
47.790	-101.975	609.32	1.506	4.605
47.790	-101.985	615.48	2.037	5.370
47.790	-101.990	610.47	2.422	6.045
47.790	-101.996	609.23	-3.249	-5.405
47.790	-102.006	602.90	-4.824	-8.812
47.790	-102.011	607.93	-4.567	-8.386
47.790	-102.017	602.61	-4.185	-7.800
47.790	-102.022	599.36	-4.174	-7.880
47.790	-102.027	596.74	-3.627	-6.833
47.790	-102.038	592.90	-3.357	-6.527
47.790	-102.043	597.42	-2.622	-5.161
47.790	-102.052	609.16	-2.386	-4.872
47.790	-102.071	609.14	-.904	-2.286
47.790	-102.076	604.93	-.526	-1.540
47.790	-102.093	616.47	.047	-.728
47.790	-102.096	617.49	.446	.046
47.790	-102.099	617.48	.651	.402
47.790	-102.108	614.19	.627	.181
47.790	-102.115	618.93	.761	.379
47.790	-102.119	625.18	1.059	.921
47.790	-102.125	621.98	1.258	1.224
47.790	-102.133	616.34	5.305	9.193
47.790	-102.138	616.01	5.729	9.960
47.790	-102.142	619.61	5.628	9.732
47.790	-102.161	623.32	5.532	9.351
47.790	-102.166	629.69	5.912	10.021
47.804	-101.829	650.42	-4.200	-3.075
47.804	-101.850	651.18	-4.077	-3.493
47.804	-101.915	631.24	-3.690	-4.645
47.804	-101.979	617.06	-2.434	-3.765
47.804	-101.984	613.30	-2.720	-4.457
47.804	-101.990	610.92	-3.040	-5.266
47.804	-102.000	614.22	-2.022	-3.473
47.804	-102.065	628.93	-.396	-1.461
47.804	-102.076	624.99	.079	-.722
47.804	-102.080	623.34	-.146	-1.236
47.804	-102.087	623.72	-.032	-1.120

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.804	-102.092	627.88	0.036	-1.077
47.804	-102.097	629.33	.175	-.823
47.804	-102.102	622.59	.350	-.551
47.804	-102.108	628.24	.644	-.085
47.804	-102.113	630.36	.642	-.182
47.804	-102.129	633.55	.348	-.930
47.804	-102.137	629.55	2.200	2.698
47.804	-102.140	633.94	2.262	2.720
47.804	-102.145	637.73	2.075	2.268
47.804	-102.156	631.72	2.139	2.312
47.804	-102.161	630.84	2.399	2.784
47.804	-102.166	642.72	3.301	4.541
47.804	-102.178	634.88	2.397	2.636
47.804	-102.183	633.74	2.642	3.039
47.804	-102.188	631.59	3.069	3.869
47.804	-102.193	625.91	3.306	4.289
47.804	-102.199	624.83	3.368	4.395
47.804	-102.204	622.55	3.279	4.142
47.804	-102.210	622.06	3.137	3.836
47.804	-102.220	619.09	3.169	3.809
47.804	-102.225	614.78	3.077	3.592
47.819	-102.047	616.68	.634	.557
47.819	-102.053	621.24	.734	.670
47.819	-102.057	627.09	1.027	1.174
47.819	-102.065	637.67	1.188	1.345
47.819	-102.070	634.25	1.700	2.304
47.819	-102.075	633.02	1.849	2.549
47.819	-102.080	639.72	2.012	2.738
47.819	-102.092	651.66	2.215	2.971
47.819	-102.098	647.37	2.581	3.664
47.819	-102.114	646.82	2.743	3.745
47.819	-102.117	648.86	3.195	4.610
47.819	-102.220	628.57	3.361	4.028
47.819	-102.226	619.88	3.421	4.063
47.819	-102.231	611.59	3.513	4.230
47.833	-101.824	662.79	-4.089	-3.637
47.833	-101.836	662.90	-4.206	-4.281
47.833	-101.845	662.17	-3.565	-3.256
47.833	-101.850	662.60	-3.570	-3.444
47.833	-101.855	661.96	-3.339	-3.116
47.833	-101.861	662.53	-3.315	-3.233
47.833	-101.872	661.77	-3.329	-3.597
47.833	-101.877	660.10	-3.061	-3.225
47.833	-101.883	658.95	-3.179	-3.664
47.833	-101.899	656.23	-2.637	-2.985
47.833	-101.904	652.42	-2.257	-2.357
47.833	-101.915	649.97	-2.232	-2.595
47.833	-101.919	643.67	-2.460	-3.129
47.833	-101.925	644.65	-2.383	-3.147
47.832	-101.936	634.11	-2.217	-3.086

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligal]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.833	-101.947	627.98	-2.175	-3.301
47.833	-101.980	621.49	-.187	-.083
47.833	-101.985	627.53	.953	2.078
47.833	-101.990	622.87	-.250	-.443
47.833	-101.994	622.59	-.063	-.145
47.833	-102.000	619.64	-.066	-.244
47.833	-102.059	626.18	1.472	1.752
47.833	-102.072	645.91	2.967	4.492
47.833	-102.102	648.16	2.844	3.839
47.833	-102.108	656.13	2.926	3.894
47.833	-102.118	658.01	3.449	4.854
47.833	-102.129	673.18	3.455	4.731
47.833	-102.135	671.32	4.193	6.120
47.833	-102.145	669.04	3.288	4.232
47.833	-102.151	666.59	3.464	4.492
47.833	-102.156	654.89	3.720	4.979
47.833	-102.161	653.42	3.668	4.820
47.833	-102.166	654.26	3.644	4.711
47.833	-102.172	657.04	3.813	5.017
47.833	-102.178	658.08	3.570	4.492
47.833	-102.183	655.83	3.657	4.603
47.833	-102.188	654.61	3.676	4.612
47.833	-102.194	647.59	3.960	5.166
47.833	-102.199	644.08	4.026	5.259
47.833	-102.204	647.67	3.944	5.086
47.833	-102.210	643.47	3.827	4.775
47.833	-102.215	638.30	3.775	4.651
47.862	-101.894	658.00	-1.826	-2.031
47.862	-101.964	646.75	-.438	-.899
47.862	-101.969	644.63	-.314	-.752
47.862	-101.974	643.40	-.136	-.543
47.862	-101.980	641.00	.030	-.317
47.862	-101.985	638.28	.136	-.194
47.862	-101.990	622.75	.275	-.053
47.862	-101.995	631.72	.071	-.575
47.862	-102.001	637.20	.368	-.026
47.862	-102.006	634.49	.450	-.002
47.862	-102.011	630.54	.448	-.082
47.862	-102.017	629.93	.577	.075
47.862	-102.022	632.41	.769	.332
47.862	-102.028	632.15	.834	.389
47.862	-102.033	630.09	.967	.563
47.862	-102.038	632.47	1.171	.901
47.862	-102.050	643.47	1.457	1.281
47.862	-102.055	652.61	1.457	1.218
47.862	-102.060	662.36	1.882	1.989
47.862	-102.065	663.72	1.908	1.955
47.862	-102.071	660.10	2.323	2.724
47.862	-102.076	660.36	2.780	3.576
47.862	-102.081	655.41	2.838	3.606

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.862	-102.097	659.38	3.029	3.761
47.862	-102.102	660.99	3.428	4.551
47.862	-102.123	669.06	3.873	5.173
47.862	-102.140	669.03	3.731	4.727
47.862	-102.145	667.55	3.884	4.963
47.862	-102.156	671.82	4.091	5.295
47.862	-102.161	676.93	4.136	5.338
47.862	-102.167	677.99	4.152	5.363
47.862	-102.172	678.81	4.266	5.542
47.862	-102.178	680.62	4.222	5.401
47.862	-102.183	681.14	4.347	5.651
47.862	-102.188	681.11	4.324	5.590
47.862	-102.199	675.35	5.005	6.866
47.862	-102.205	676.80	4.767	6.351
47.862	-102.211	678.81	4.807	6.439
47.877	-101.834	660.66	-3.433	-3.961
47.877	-101.839	655.76	-3.253	-3.709
47.877	-101.845	655.93	-3.223	-3.835
47.877	-101.850	653.85	-3.006	-3.558
47.877	-101.855	653.32	-2.860	-3.412
47.877	-101.861	654.83	-2.623	-3.079
47.877	-101.866	653.25	-1.879	-1.747
47.877	-101.872	654.61	-1.783	-1.697
47.877	-101.878	652.16	-1.546	-1.378
47.877	-101.883	650.53	-1.424	-1.274
47.877	-101.888	653.44	-1.246	-1.043
47.877	-101.899	654.28	-1.120	-1.104
47.877	-101.904	652.20	-1.023	-1.020
47.877	-101.910	654.19	-.953	-1.068
47.877	-101.921	649.30	-2.520	-4.453
47.877	-101.926	644.79	-2.222	-3.953
47.877	-101.936	643.62	-4.681	-9.123
47.877	-101.942	644.33	-4.468	-8.800
47.877	-101.947	648.69	-4.626	-9.232
47.877	-101.953	652.50	-4.507	-9.105
47.877	-101.958	651.50	.159	.093
47.877	-101.963	648.57	.346	.351
47.877	-101.969	647.99	.390	.349
47.877	-101.975	645.07	-.286	-1.129
47.877	-101.980	643.12	-.687	-2.027
47.877	-101.985	631.01	.066	-.660
47.877	-101.990	632.75	-.014	-.900
47.877	-102.000	644.95	-.384	-1.852
47.877	-102.006	637.83	.280	-.612
47.877	-102.011	640.63	-.337	-1.911
47.877	-102.017	641.16	.283	-.806
47.877	-102.022	636.73	.677	-.115
47.877	-102.027	637.75	-.049	-1.647
47.877	-102.032	638.79	.787	-.006
47.877	-102.039	635.85	.917	.114

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.877	-102.043	640.63	1.030	0.288
47.877	-102.049	640.63	1.118	.374
47.877	-102.054	649.72	1.008	.109
47.877	-102.061	661.60	1.102	.179
47.877	-102.065	667.41	1.131	.177
47.877	-102.070	661.71	1.401	.645
47.877	-102.075	656.69	1.574	.911
47.877	-102.082	652.10	2.592	2.887
47.877	-102.086	655.87	1.786	1.180
47.877	-102.091	659.88	2.639	2.820
47.877	-102.097	658.95	2.398	2.310
47.877	-102.104	659.83	3.229	3.910
47.877	-102.113	660.35	3.573	4.436
47.877	-102.119	658.02	4.475	6.240
47.877	-102.124	657.55	4.551	6.335
47.891	-101.834	652.81	-2.859	-3.179
47.891	-101.839	649.65	-2.107	-1.830
47.891	-101.845	649.29	-1.977	-1.750
47.891	-101.850	650.78	-1.869	-1.633
47.891	-101.856	648.28	-1.778	-1.631
47.891	-101.861	649.06	-1.504	-1.225
47.891	-101.872	656.02	-1.186	-.898
47.891	-101.877	651.94	-.928	-.471
47.891	-101.883	651.23	-.842	-.479
47.891	-101.888	649.05	-.733	-.378
47.891	-101.894	648.91	-.628	-.353
47.891	-101.899	649.49	-.517	-.264
47.891	-101.904	649.15	-.493	-.284
47.891	-101.910	650.56	-.389	-.264
47.891	-101.920	644.67	-.194	-.102
47.891	-101.926	645.64	-.062	.014
47.891	-101.931	650.60	.016	.102
47.891	-101.937	651.38	.053	.004
47.891	-101.942	650.66	.451	.698
47.891	-101.953	649.92	.630	.877
47.891	-102.134	654.06	5.388	7.752
47.891	-102.141	654.97	5.082	7.046
47.891	-102.146	655.65	5.445	7.733
47.891	-102.156	657.47	5.166	7.152
47.891	-102.161	658.15	5.185	7.151
47.891	-102.166	663.49	5.115	6.993
47.891	-102.171	664.13	5.144	6.983
47.891	-102.177	663.34	5.074	6.825
47.891	-102.182	661.74	5.104	6.854
47.891	-102.188	657.24	4.960	6.574
47.891	-102.199	660.27	4.630	5.821
47.891	-102.205	654.65	4.588	5.719
47.891	-102.210	658.17	4.422	5.426
47.891	-102.221	648.22	4.177	4.868
47.891	-102.226	649.80	3.778	4.051

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.891	-102.232	642.62	3.482	3.442
47.891	-102.242	643.95	3.199	2.900
47.891	-102.247	643.03	3.250	3.004
47.891	-102.252	642.42	3.089	2.687
47.906	-101.834	645.69	-2.312	-2.414
47.906	-101.839	643.23	-2.453	-2.858
47.906	-101.845	644.77	-2.336	-2.803
47.906	-101.850	648.52	-2.292	-2.864
47.906	-101.856	645.76	-1.900	-2.197
47.906	-101.861	649.15	-1.861	-2.268
47.906	-101.867	649.95	-1.767	-2.244
47.906	-101.872	649.09	-1.502	-1.833
47.906	-101.877	648.68	-1.543	-2.020
47.906	-101.883	645.04	-1.156	-1.411
47.905	-101.889	641.16	-1.075	-1.431
47.905	-101.942	643.41	.179	-.103
47.905	-101.947	642.51	.428	.278
47.906	-101.953	643.04	.682	.670
47.906	-101.969	648.64	-.270	-1.572
47.906	-101.974	646.95	-.028	-1.156
47.906	-101.980	647.07	-.308	-1.833
47.906	-101.985	645.87	.352	-.574
47.906	-101.990	645.99	.692	-.036
47.906	-102.044	648.51	1.132	.015
47.906	-102.097	641.74	3.421	3.963
47.906	-102.114	640.20	3.405	3.782
47.906	-102.119	634.10	3.672	4.277
47.906	-102.125	643.09	3.703	4.282
47.920	-101.947	645.56	1.309	1.749
47.920	-101.958	647.34	1.982	2.918
47.934	-101.829	642.09	-1.505	-1.357
47.934	-101.850	642.83	-1.178	-1.221
47.934	-101.872	636.70	-.627	-.717
47.934	-101.878	636.81	-.231	-.059
47.934	-101.884	636.85	-.356	-.435
47.934	-101.889	631.56	-.097	-.058
47.934	-101.899	640.50	.416	.734
47.934	-101.904	641.25	.434	.723
47.934	-101.910	641.49	.337	.357
47.934	-101.931	642.05	1.435	2.093
47.934	-101.936	641.89	1.473	2.113
47.949	-101.824	640.59	-1.236	-.998
47.949	-101.829	639.16	-1.203	-1.080
47.949	-101.834	637.73	-1.205	-1.162
47.949	-101.839	639.03	-1.197	-1.279
47.949	-101.845	639.37	-1.129	-1.320
47.949	-101.850	638.96	-1.435	-2.060
47.949	-101.857	639.32	-1.243	-1.838
47.949	-101.863	639.10	-.683	-.851
47.949	-101.877	632.75	-.378	-.608

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.949	-101.883	629.92	-0.203	-0.407
47.949	-101.888	630.97	.031	.014
47.949	-101.893	637.14	.176	.163
47.949	-101.898	640.68	.263	.238
47.949	-101.904	640.78	.435	.434
47.949	-101.910	640.89	.672	.758
47.949	-101.915	640.98	.916	1.185
47.949	-101.920	641.51	1.235	1.709
47.949	-101.926	641.34	1.585	2.276
47.949	-101.931	640.78	1.955	2.920
47.949	-101.937	641.98	2.082	3.018
47.949	-101.941	641.61	2.128	3.071
47.949	-101.947	643.38	2.185	3.085
47.949	-101.952	643.14	2.387	3.396
47.949	-101.958	642.88	2.597	3.694
47.949	-101.980	641.78	2.693	3.531
47.949	-102.038	630.40	4.494	6.337
47.949	-102.044	625.21	3.756	4.768
47.949	-102.050	625.40	4.140	5.440
47.949	-102.055	620.07	4.053	5.275
47.949	-102.060	606.41	4.019	5.143
47.949	-102.065	608.42	4.036	5.122
47.949	-102.076	603.21	3.709	4.335
47.949	-102.087	605.99	3.653	4.154
47.949	-102.092	594.68	3.555	3.910
47.949	-102.097	594.83	2.985	2.731
47.949	-102.102	608.39	2.877	2.468
47.949	-102.108	600.03	3.062	2.768
47.949	-102.113	592.50	3.388	3.421
47.949	-102.118	595.68	3.382	3.370
47.949	-102.140	585.01	4.564	5.617
47.949	-102.146	584.46	5.260	6.970
47.949	-102.156	584.75	5.282	6.966
47.949	-102.161	583.34	2.089	.556
47.949	-102.167	583.39	2.127	.657
47.949	-102.183	583.74	3.281	2.877
47.948	-102.193	587.91	2.312	.966
47.963	-101.868	632.97	-.466	-.794
47.963	-101.872	635.27	-.648	-1.229
47.963	-101.885	630.97	.147	.072
47.963	-101.893	635.88	.519	.561
47.963	-101.899	638.03	.564	.603
47.963	-101.904	640.94	.966	1.292
47.963	-101.910	641.72	.780	.769
47.963	-101.920	643.08	1.510	2.013
47.963	-101.926	641.15	1.698	2.318
47.963	-101.931	640.09	1.996	2.813
47.963	-101.937	639.06	2.297	3.262
47.963	-101.942	639.12	2.443	3.467
47.963	-101.947	637.51	2.757	3.994

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.963	-101.953	638.39	3.203	4.861
47.963	-101.964	638.30	3.094	4.416
47.963	-101.969	637.40	3.829	5.808
47.963	-101.974	637.63	3.770	5.579
47.963	-101.980	635.68	3.910	5.810
47.964	-101.985	635.63	3.944	5.778
47.963	-101.990	633.75	3.833	5.491
47.963	-101.996	630.73	3.894	5.515
47.963	-102.166	606.93	3.710	3.772
47.963	-102.176	598.69	3.548	3.430
47.963	-102.182	596.92	3.440	3.190
47.963	-102.188	594.37	3.170	2.673
47.963	-102.197	584.87	3.369	3.062
47.963	-102.203	582.29	3.568	3.446
47.978	-101.872	632.42	-.014	-.230
47.978	-101.878	637.51	.135	-.036
47.978	-101.889	638.83	.524	.485
47.978	-101.893	639.77	.641	.627
47.978	-101.899	639.01	.894	1.008
47.978	-101.905	638.19	3.476	6.086
47.978	-101.911	637.18	1.392	1.789
47.978	-101.916	636.75	1.545	1.991
47.978	-101.921	624.69	1.809	2.444
47.978	-101.927	627.25	1.978	2.657
47.978	-101.932	627.00	2.103	2.784
47.980	-101.936	621.77	2.309	3.104
47.981	-101.942	622.35	1.638	1.690
47.981	-101.947	630.68	1.950	2.236
47.979	-101.953	631.88	2.603	3.425
47.978	-101.963	634.36	3.961	6.019
47.978	-101.969	634.32	4.172	6.353
47.978	-101.979	633.99	2.990	3.812
47.978	-101.985	625.66	5.053	7.875
47.978	-101.990	630.12	5.236	8.171
47.978	-101.996	632.42	1.565	.735
47.978	-102.006	626.11	1.815	1.071
47.978	-102.011	627.78	1.977	1.340
47.978	-102.016	628.26	1.966	1.261
47.978	-102.022	611.81	2.111	1.516
47.978	-102.027	615.84	1.894	1.016
47.978	-102.033	628.61	1.774	.743
47.978	-102.038	629.67	1.792	.692
47.978	-102.049	627.61	1.994	.964
47.978	-102.054	623.48	2.914	2.777
47.978	-102.059	619.76	2.938	2.768
47.978	-102.065	618.33	3.179	3.232
47.978	-102.070	618.28	1.918	.621
47.978	-102.076	617.98	1.848	.471
47.978	-102.081	620.52	1.925	.570
47.978	-102.183	605.14	4.261	4.850

Table 8. Latitude, longitude, altitude, Bouguer gravity, and residual gravity values--Continued

[Latitude and longitude values are in decimal degrees; the negative sign of the longitude is the convention referencing longitude west of the prime meridian; altitude is in meters above sea level; the Bouguer gravity values and residual gravity values are in the units of milligals]

Latitude	Longitude	Altitude	Bouguer gravity	Residual gravity
47.978	-102.188	603.24	3.420	3.184
47.978	-102.199	594.46	4.336	4.998
47.978	-102.204	597.64	5.796	7.919
47.978	-102.210	594.91	5.095	6.569
47.978	-102.221	579.34	2.780	1.932
47.978	-102.226	573.24	1.666	-.305
47.978	-102.231	576.18	1.724	-.183
47.978	-102.237	572.96	1.057	-1.527
47.978	-102.242	572.98	.987	-1.581
47.978	-102.247	573.09	.857	-1.878
47.978	-102.263	570.22	2.207	.922
47.978	-102.268	568.25	2.071	.636
47.978	-102.274	567.27	2.028	.650
47.978	-102.279	567.35	1.856	.323
47.978	-102.284	567.51	1.696	.027
47.978	-102.290	583.35	1.462	-.401
47.978	-102.295	587.31	1.295	-.711
47.978	-102.300	587.26	1.370	-.509
47.978	-102.311	594.99	1.125	-.895
47.978	-102.316	604.45	.802	-1.551
47.978	-102.322	608.49	.608	-1.856
47.978	-102.328	610.70	.354	-2.270
47.978	-102.332	614.13	.333	-2.273
47.642	-101.844	618.39	-11.465	-11.167
47.639	-101.844	620.04	-10.526	-9.120
47.635	-101.844	614.87	-9.875	-7.663
47.632	-101.844	613.91	-10.061	-7.850
47.629	-101.844	616.13	-10.393	-8.341
47.625	-101.844	615.88	-13.100	-13.569
47.622	-101.844	627.58	-9.588	-6.321
47.617	-101.844	625.78	-12.861	-12.634
47.614	-101.844	629.85	-12.964	-12.685
47.610	-101.844	641.78	-12.963	-12.452
47.607	-101.844	633.52	-12.078	-10.510
47.603	-101.844	627.52	-12.176	-10.506
47.643	-101.886	619.60	-7.805	-5.510
47.639	-101.886	615.07	-7.661	-5.088
47.636	-101.887	628.38	-7.656	-4.933
47.632	-101.886	628.51	-7.764	-4.899
47.891	-102.097	649.35	7.813	12.962
47.891	-102.103	650.09	3.354	3.960

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs

Local number	Site-identification number	Local number	Site-identification number
146-086-32AA	472526101392201	146-091-01DDC	472918102123401
146-088-09CZCD	472825101541801	146-091-05ACB	472951102175901
146-088-10CBA	472844101530201	146-091-05CBB	472938102183701
146-088-20CCD	472641101553401	146-091-08CAA	472846102180801
146-088-29BCA	472621101553401	146-091-09BCCC	472849102172401
146-088-30DAC	472601101560301	146-091-11CB	472843102144301
146-088-30DDD	472548101555301	146-091-12BBD	472904102131601
146-089-06BDB	472951102041901	146-091-12BDB	472858102131301
146-089-08AAB	472911102022501	146-091-13BCA1	472807102132201
146-089-09CCB	472832102020601	146-091-13BCA2	472807102132202
146-089-09DAC	472839102010801	146-091-14ADC	472800102135101
146-089-10CBD	472838102004001	146-091-14DDB	472740102135101
146-089-15CDC	472733102003001	146-091-17CDC	472735102181801
146-089-15DCB	472740102001102	146-091-20ABA	472728102174501
146-089-17BDC	472800102030301	146-091-20ACA	472715102174901
146-089-20BBB	472727102032201	146-091-20DDD1	472642102173001
146-089-22DCB1	472648102001101	146-091-20DDD2	472641102172802
146-089-22DCB2	472648102001102	146-091-21CDD1	472642102165201
146-089-24CBC	472654101581701	146-091-21CDD2	472642102165202
146-089-25AAA	472634101571001	146-091-21DCD	472642102163301
146-089-28CDB	472556102014601	146-091-21DDC	472642102162301
146-089-30AAA	472635102033101	146-091-22BBA	472728102155501
146-089-34BBA1	472542102004001	146-091-22CBA	472702102155501
146-089-34BBA2	472542102004002	146-091-24BDB1	472714102131201
146-089-35BBA1	472542101592301	146-091-24BDB2	472714102131202
146-089-35BBA2	472542101592302	146-091-25ACC	472613102125401
146-089-36BDA	472529101574801	146-091-25DC	472556102124401
146-090-05DAA	472938102095201	146-091-26AAB1	472635102135101
146-090-07CAB	472845102115601	146-091-26AAB2	472635102135102
146-090-08BBC	472905102105901	146-091-26AAB3	472635102135103
146-090-08CAA	472845102103101	146-091-28ABA	472636102163301
146-090-09CDD	472826102091401	146-091-28BBB	472636102172101
146-090-13DCA	472740102050701	146-091-30BCD	472616102194401
146-090-13DCC1	472733102051601	146-091-31BAD	472537102192501
146-090-13DCC2	472733102051602	146-091-31BDA1	472530102192601
146-090-15BCC	472759102082701	146-091-31BDA2	472527102192902
146-090-15DAA1	472753102072001	146-091-32CAA	472518102180801
146-090-15DAA2	472753102072002	146-091-34CBA	472517102155501
146-090-18CDD1	472733102114701	146-091-35BBC	472537102144801
146-090-18CDD2	472733102114702	146-091-36BCB	472530102133201
146-090-19CBA	472701102120601	146-092-02DCA	472927102213801
146-090-20BDB1	472714102104001	146-092-14BB	472822102221401
146-090-20BDB2	472714102104002	146-092-14CDD	472735102215801
146-090-20CCC	472641102105901	146-092-15BBB	472820102234101
146-090-21ACC	472707102090501	146-092-15DDD	472735102223601
146-090-21BD	472714102091601	146-092-19DBC	472656102265401
146-090-22ACD1	472707102073901	146-092-22ABB	472729102230401
146-090-22ACD2	472707102073902	146-092-27CBB	472611102234301
146-090-25	472548102050601	146-092-27DDD	472551102223601
146-090-25DAD1	472602102044801	146-092-28CCC	472551102245901
146-090-25DAD2	472602102044802	146-092-29DDC1	472551102251801
146-090-25DCCA	472551102051201	146-092-29DDC2	472551102251802
146-090-30BAA	472634102114701	146-092-30DAA	472611102262501
146-090-30DDD1	472549102110901	146-092-32CDD1	472459102254701
146-090-30DDD2	472549102110902	146-092-32CDD2	472455102254502

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
146-092-34ABB	472545102230401	147-087-12BAB	473423101423401
146-092-35DAD1	472512102211901	147-087-13BCB	473318101425202
146-092-35DAD2	472512102211902	147-088-01ABD	473509101494201
146-093-03CDD	472919102305301	147-088-01ACB	473503101495201
146-093-14DDBD	472738102290501	147-088-01BDD	473456101500101
146-093-15DDD	472735102301501	147-088-01CCD	473430101502001
146-093-17CBB	472755102335601	147-088-01DCC	473430101495201
146-093-19BDD	472709102344301	147-088-03AAA	473516101515601
146-093-20ADD	472709102324801	147-088-03ABA1	473516101521601
146-093-20CBC	472656102335601	147-088-03ABA2	473516101521602
146-093-20CCA	472650102334601	147-088-03ABC	473509101522501
146-093-22ADD	472709102301501	147-088-03ADB	473503101520601
146-093-22CCC	472643102312201	147-088-07BDD	473404101562501
146-093-24CCAB	472650102284201	147-088-11BAA1	473424101511801
146-093-24DCC1	472643102281101	147-088-11BAA2	473424101511802
146-093-24DCC2	472643102281102	147-088-11BAB	473424101512801
146-093-25ABB	472637102281101	147-088-11BDC1	473404101512801
146-093-26CBA	472611102295601	147-088-11BDC2	473404101512802
146-093-26CBB	472611102300601	147-088-12BAD	473417101500101
146-093-27CCC	472551102312201	147-088-12CAB	473357101501101
146-093-27CDD	472551102305301	147-088-12CBB	473357101503001
146-093-27DAA	472611102301501	147-088-16ADA	473318101531301
146-093-28AAA1	472637102313201	147-089-03DA	473446101594201
146-093-28AAA2	472637102313202	147-089-03DBA	473450101595601
146-093-28ADD	472617102313201	147-089-11DAD	473351101582001
146-093-28CCA	472558102322901	147-089-31DDD	473009102032701
146-093-28DDB1	472558102314101	147-089-33ADA	473042102005401
146-093-28DDB2	472558102314102	147-089-33DAD1	473022102005401
146-093-28DDB3	472558102314103	147-089-33DAD2	473022102005402
146-094-04BBC	472958102401801	147-089-33DDA	473016102005401
146-094-05CBD	472932102412401	147-089-34DCB1	473016102000601
146-094-05DCC	472917102390001	147-089-34DCB2	473016102000602
146-094-08DAC1	472840102403701	147-089-34DDC	473009101594701
146-094-08DAC2	472840102403702	147-090-19CDC	473155102115401
146-094-08DAD1	472840102402701	147-090-20DDB	473201102095901
146-094-08DAD2	472840102402702	147-090-20DDCC	473151102100401
146-094-13CBB	472755102362901	147-090-22CCC	473155102082401
146-094-15ACC1	472801102382301	147-090-25ABC	473141102051201
146-094-15ACC2	472801102382302	147-090-31ACD	473037102112501
146-094-23AAD	472722102363801	147-090-35ADBD	473039102060901
146-094-24BDD	472709102360001	147-090-36DAD	473023102044401
146-094-24CAA	472703102360001	147-091-14BDD	473314102141701
146-094-24CAB1	472703102360901	147-091-15CCD	473248102155201
146-094-24CAB2	472703102360902	147-091-15DCC	473248102152401
146-094-24DDD1	472643102352201	147-091-17AAD	473327102172701
146-094-24DDD2	472643102352202	147-091-21DCA	473202102163001
146-094-35AAB	472545102364801	147-091-22AAD	473235102145501
146-095-15ABCD	472812102455701	147-091-25BBD	473139102132001
146-095-35DDC	472459102442601	147-091-25CCA	473105102132201
147-087-03CCA	473436101451501	147-091-25DAA	473124102122301
147-087-03CDB	473436101450501	147-091-25DCC	473058102130001
147-087-04ABA	473516101455301	147-091-26BDB	473136102142701
147-087-04ABC	473509101460201	147-091-26CCD	473104102143601
147-087-09BAD	473422101461501	147-091-26CDB	473111102142701
147-087-12BAA	473423101422301	147-091-27BBD	473143102155201

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
147-091-28ACC	473130102164101	147-095-18DDA	473257102492601
147-091-28DDD1	473104102161101	147-095-19BBAC	473241102502301
147-091-28DDD2	473104102161102	147-095-22BBB	473240102463701
147-091-28DDD3	473104102161103	147-095-23CCA	473205102451300
147-091-29BCA	473136102182501	147-095-23DBDB	473211102443501
147-091-30AAA	473149102184401	147-095-24AAC	473237102430801
147-091-31CDB1	473019102193101	147-095-26BBB1	473152102452301
147-091-31CDB2	473019102193102	147-095-26BBB2	473152102452302
147-091-33ADD	473038102161101	147-095-29DBBD	473120102483001
147-091-35BDA	473045102141701	147-095-32BDC	473042102485601
147-091-36AAC	473051102123201	147-095-33BDBD	473041102473401
147-091-36BBD	473048102132101	148-086-20DAA	473724101391301
147-091-36CBD	473020102132101	148-086-29AAA2	473658101391302
147-092-03CDC1	473431102232001	148-087-01CCC	473939101425201
147-092-03CDC2	473428102232402	148-087-02CDC	473941101434901
147-092-10AABD	473419102224201	148-087-03DDD	473943101441801
147-092-15ADD	473310102223201	148-087-04CDD	473939101461201
147-092-21DA	473211102235401	148-087-06DCA	473945101482601
147-092-21DDB	473202102235801	148-087-06DCB	473950101483301
147-092-36BC	473040102210201	148-087-06DCC	473939101483501
147-093-03DBB	473451102304001	148-087-07AAA1	473932101480701
147-093-05CDD	473431102332401	148-087-07AAA2	473932101480702
147-093-07ACDD	473403102342201	148-087-07DDD	473848101480701
147-093-07CBCA	473352102351001	148-087-08BBC	473915101480301
147-093-08BBCA	473418102335001	148-087-10CCC	473848101452501
147-093-08CAAC	473354102332801	148-087-11DDD	473848101430201
147-093-09ABCA	473419102315901	148-087-13BBB	473841101425201
147-093-15BCD	473314102310901	148-087-13DDD	473756101414601
147-093-29DCA	473111102330401	148-087-14BAA	473847101433501
147-093-33DAC	473024102314001	148-087-14BAB	473846101435301
147-093-34DBB	473028102304601	148-087-14DAA	473820101425801
147-093-35CBC1	473025102300201	148-087-15AAA	473846101441601
147-093-35CBC2	473024102300302	148-087-15DCC	473756101444701
147-093-35CBC3	473027102300303	148-087-15DCD	473800101443701
147-094-01DAA	473451102351901	148-087-16AAA	473841101453401
147-094-02AD	473501102364001	148-087-19DDD	473705101480701
147-094-03CDBD	473433102383901	148-087-20AB	473747101471701
147-094-04DDA	473438102390801	148-087-24BCD	473731101424301
147-094-26BCB	473139102374201	148-087-24CCC	473705101425201
147-094-33DB	473031102393201	148-087-27ADA	473646101441801
147-094-34BAD	473054102383001	148-087-27BBD	473652101451501
147-094-35CAA	473032102371501	148-087-27CCC	473614101452501
147-094-35CBB	473034102452301	148-087-27DBD	473626101443701
147-094-35DBDC	473022102370101	148-087-27DDA	473620101441801
147-094-36BAD	473053102360001	148-087-31BAA	473607101484501
147-095-12BCD	473406102435601	148-087-33BBB	473607101464201
147-095-12CAD	473354102433701	148-087-34AAD	473601101441801
147-095-13CCC1	473250102440601	148-087-35BBC	473601101440901
147-095-13CCC2	473250102440602	148-088-01AAA	474024101492301
147-095-13CCC3	473246102440403	148-088-01BBB	474024101503001
147-095-14AAA	473334102441501	148-088-01CB	473955101502501
147-095-14CAC	473302102450401	148-088-02DDA	473945101504001
147-095-14CBB1	473309102452301	148-088-02DDB	473945101504901
147-095-14CBB2	473309102452302	148-088-05ABA	474024101544901
147-095-14CBB3	473309102452303	148-088-07DCC	473848101561601

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
148-088-07DDD	473848101554701	148-089-36AAA	473607101570401
148-088-08CAC	473900101551801	148-089-36CAA1	473541101574201
148-088-08DDC	473848101544001	148-089-36CAA2	473541101574202
148-088-10AAA	473932101515601	148-089-36CAA3	473541101574203
148-088-10CDD	473848101523501	148-090-01ABA	474025102050301
148-088-10DDD	473848101515601	148-090-01BAD	474016102052101
148-088-11AAA	473932101504001	148-090-01CAC	473951102053101
148-088-11CCC	473848101514701	148-090-02DB	473954102062301
148-088-11DBB	473907101510801	148-090-03ABB1	474023102074101
148-088-12CCD1	473848101502001	148-090-03ABB2	474023102074102
148-088-12CCD2	473848101502002	148-090-05AAD	474016102094901
148-088-12CDC1	473848101501101	148-090-06DDD	473938102110601
148-088-12CDC2	473848101501102	148-090-07DCC	473849102113201
148-088-12CDD	473848101500101	148-090-07DCD	473849102112601
148-088-13BCB	473828101503001	148-090-08BB	473928102105001
148-088-15CCB	473803101530401	148-090-09DBA	473906102085201
148-088-16DAA	473815101531301	148-090-10CDA	473853102075401
148-088-18AAA	473845101554601	148-090-12ABAC	473932102050801
148-088-18CBA	473815101564501	148-090-12DACA	473905102045101
148-088-21DBC1	473718101534201	148-090-12DDB	473853102045201
148-088-21DBC2	473718101534702	148-090-13BBC	473834102055001
148-088-21DBD	473718101533701	148-090-13DDC	473755102045201
148-088-26BAD	473652101511801	148-090-15AAA	473839102071601
148-088-28DD	473617101531801	148-090-16ABC	473834102090001
148-088-30AAA	473658101554701	148-090-22BCC	473730102082301
148-088-35ABD	473601101505901	148-090-23AAA	473749102055901
148-088-35ACA	473554101505901	148-090-23ABC	473742102062801
148-088-35DDD1	473522101504001	148-090-23DDC	473704102060901
148-088-35DDD2	473522101504002	148-090-24DCC	473704102051201
148-088-36CCC	473522101503001	148-090-25BC	473641102054501
148-089-04CDD	473938102013201	148-090-26ABB1	473657102062801
148-089-06CAD1	473951102040501	148-090-26ABB2	473657102062802
148-089-06CAD2	473951102040502	148-092-03ABA	474023102225301
148-089-07AC	473919102035301	148-092-03DBA	473957102225301
148-089-07DDD	473847102032601	148-092-04ACBA	474011102241701
148-089-09AAB	473932102010301	148-092-04CBD	473951102244801
148-089-10BBB	473932102004401	148-092-05	474002102253801
148-089-11AA	473929101582501	148-092-06AAD	474012102262501
148-089-12BDD	473913101574201	148-092-06BAD	474016102270201
148-089-12DB	473904101572801	148-092-06BCA	474010102272101
148-089-12DCC	473847101573201	148-092-06BDB	474010102271101
148-089-13BCC1	473822101581101	148-092-11AAC	473925102212701
148-089-13BCC2	473822101581102	148-092-11ACA	473919102213601
148-089-18BCD	473821102042401	148-092-11CCB	473854102222401
148-089-20BAC	473743102025801	148-092-14ABBB	473844102215201
148-089-20BAD	473743102024801	148-092-23ABB	473750102214601
148-089-20CBB	473723102031701	148-092-23CCA	473712102221501
148-089-22CDA	473711102001501	148-092-24CCCA	473704102211301
148-089-22DAB	473724101594601	148-092-24CCCB	473704102211201
148-089-27CDC	473613102002501	148-092-26ACA	473646102213601
148-089-27DCC	473611102000801	148-092-26CCD	473614102221501
148-089-28ACB	473645102012201	148-092-35BDA	473555102215601
148-089-30ADA	473645102032601	148-093-01DDC	473938102274901
148-089-30BDCA	473642102041401	148-093-04CAB1	473957102321701
148-089-33CCA	473526102015201	148-093-04CAB2	473957102321702

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
148-093-04CBD	473951102322701	149-087-11BCC	474425101470501
148-093-05CCA1	473944102334301	149-087-15AAD	474346101471401
148-093-05CCA2	473944102334302	149-087-17DCD	474307101500801
148-093-09BBC	473925102323601	149-087-20BBB	474300101505601
148-093-10CCC	473847102312001	149-087-21CCD	474215101492901
148-093-14CDC	473755102294401	149-087-25CAB	474142101452801
148-093-15ACB	473827102304101	149-087-26BCB	474153101470401
148-093-17BBD1	473834102334301	149-087-27AAB	474208101472401
148-093-17BBD2	473821101322401	149-087-27CBB	474142101482201
148-093-19ABAC	473749102342701	149-087-28ADB	474155101484101
148-093-20BCA	473736102334301	149-087-28DAA	474141101482901
148-093-23BADB	473744102293701	149-087-29DDD	474122101494801
148-093-31DBD	473534102342101	149-087-30ADD	474149101510601
148-093-32CDB	473528102333401	149-087-32CCC	474030101505601
148-093-34DBCC	473533102304601	149-087-34ABB	474116101474301
148-094-01DDD	473938102351901	149-087-35DCB	474037101462601
148-094-03ABB	474023102382101	149-088-01CDD	474451101530101
148-094-03ADAD	474011102375201	149-088-02CDC	474451101542801
148-094-13AAD	473834102351901	149-088-04DAD	474503101561301
148-094-13BBD	473834102361601	149-088-04DCD	474451101563401
148-094-14AAB	473840102364501	149-088-11CDC	474359101542801
148-094-14AACA	473839102363201	149-088-11DAA1	474418101534001
148-094-14DAC	473808102364501	149-088-11DAA2	474416101533802
148-094-15CAD	473808102383001	149-088-12BAB	474442101531501
148-094-20AAAB	473753102403101	149-088-19BCC	474241101595601
148-094-20DDD	473705102402501	149-088-20CBC	474228101583901
148-094-23CBD	473717102373301	149-088-21BBB	474300101572201
148-094-25CCC	473613102362601	149-088-23BBB	474300101544801
148-094-26DCA	473619102365501	149-088-23DAA	474233101534201
148-094-30BAAD	473658102422201	149-088-25CAA	474142101530101
148-094-33ACD	473547102392801	149-088-26BAB	474208101542801
148-094-36ACAA	473537102353601	149-088-27BBB	474208101560501
148-095-01DBB	473958102432801	149-088-27CCC	474122101560501
148-095-02BBB	474025102452601	149-088-30BAA	474208101592701
148-095-03AAA	474026102453301	149-088-32AAC	474109101574101
148-095-08CABD	473908102485101	149-088-35AAA	474116101534001
148-095-12DCC1	473847102432801	149-088-35ABB	474116101540901
148-095-12DCC2	473847102432802	149-088-35BAA	474116101541901
148-095-13ADC	473821102430801	149-088-36AAA	474116101522301
148-095-18BD	473829102500601	149-089-01ACB1	474524102003501
148-095-22CCA	473711102463101	149-089-01ACB2	474524102003502
148-095-35BDD	473547102445501	149-089-01BDA	474521102004101
149-086-16CA	474322101413101	149-089-02ADA	474524102012301
149-087-02DDC1	474451101460701	149-089-02BBB	474537102023101
149-087-02DDC2	474451101460702	149-089-02DAD	474504102012301
149-087-03ADD	474517101471401	149-089-03BBC	474530102034801
149-087-05CDC	474451101503701	149-089-03BBD	474529102033801
149-087-05DBD	474504101500801	149-089-03DAA	474512102023701
149-087-05DCC	474451101501701	149-089-04CDC	474451102044601
149-087-06AAA	474537101510601	149-089-07BAB	474445102072001
149-087-06DCC	474451101513501	149-089-08CBC	474412102062201
149-087-06DDA	474456101510201	149-089-09BAB1	474445102044601
149-087-08ABB1	474445101501701	149-089-09BAB2	474445102044702
149-087-08ABB2	474445101501902	149-089-10AAA	474445102024001
149-087-09DAD	474412101483101	149-089-10AAD	474438102023601

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
149-089-10BBC	474438102034801	149-092-10DCBB	474406102261601
149-089-10CBB1	474419102034801	149-092-22CDC	474214102263601
149-089-10CBB2	474417102034401	149-092-27BBB	474207102265601
149-089-10CBB3	474418102034802	149-092-29DCC	474121102285101
149-089-11BBB1	474445102023101	149-092-30CAB	474141102302701
149-089-11BBB2	474445102023102	149-092-33DDAC	474033102270801
149-089-11CBB1	474419102023101	149-092-34BBAC	474114102264701
149-089-11CBB2	474420102023102	149-092-35BDA	474102102251001
149-089-13AAA	474353102000601	149-092-36DACD	474041102232101
149-089-13CDC	474307102005401	149-093-02ACB	474523102324101
149-089-13DAA	474327102000601	149-093-05ACAD	474520102362501
149-089-14CBB	474326102022501	149-093-05CDC	474450102365001
149-089-15AAA	474353102024001	149-093-08DCC	474358102363101
149-089-15DDC	474307102025001	149-093-09ACDA	474426102330201
149-089-15DDD	474307102024001	149-093-09CCC	474359102355201
149-089-17BAD	474344102055101	149-093-09CCD	474358102354301
149-089-18ADB1	474340102064101	149-093-10AAA	474444102332901
149-089-18ADB2	474338102063902	149-093-11ABBA	474444102323801
149-089-18BDA	474340102071001	149-093-12ACC	474424102312501
149-089-19ADA	474248102063201	149-093-12BBB	474444102320301
149-089-20CCB	474222102062201	149-093-14CCC	474306102332001
149-089-23CCC1	474217102023001	149-093-16BDDD	474330102352101
149-089-23CCC2	474217102023002	149-093-18DDB	474313102372901
149-089-24AAA	474301102000601	149-093-21DCA	474221102350501
149-089-25AAA	474209102000601	149-093-21DCC	474214102351501
149-089-25ADD	474149102000601	149-093-23ACD	474240102323201
149-089-27DBB	474143102030901	149-093-23AC	474243102312001
149-089-28ADA	474156102035701	149-093-24CCDB	474215102320601
149-089-36BBB1	474117102011301	149-093-25DDD	474122102305601
149-089-36BBB2	474117102011302	149-093-26ADB	474155102322201
149-090-01AAA	474537102074901	149-093-27ABA	474208102334801
149-090-01AAB	474537102075801	149-093-34ACA	474103102334801
149-090-04DDD	474453102114501	149-094-07CAD	474412102453801
149-090-05AB	474534102132901	149-094-09ABA	474444102424601
149-090-05DCC	474452102132001	149-094-09ABCA	474438102425501
149-090-11ADA1	474432102090601	149-094-09DDDD	474356102434001
149-090-11ADA2	474432102090602	149-094-12DCCD	474357102390601
149-090-11DBC	474407102094401	149-094-14AAA	474352102395301
149-090-12DAD	474411102074801	149-094-14BA	474349102403601
149-090-12DDD	474402102074701	149-094-15ADAB	474341102411201
149-090-24BDA	474248102082701	149-094-16BDAC	474336102431001
149-090-24CDA	474222102082701	149-094-21AAD	474254102422601
149-090-28DDD	474123102114001	149-094-21DD	474219102423301
149-090-34CCC	474031102113101	149-094-22BBB	474300102421701
149-090-35ABC	474106102093301	149-094-22BCB	474247102421701
149-091-08AAA	474441102204001	149-094-25ABC	474201102390501
149-091-17BAB	474351102212901	149-094-27CB	474139102421201
149-091-18DBCD	474317102222001	149-094-27DAA	474142102410901
149-091-22BDCA	474243102185001	149-094-28AAA1	474208102422601
149-091-30CCD	474121102225601	149-094-28AAA2	474208102422602
149-091-31BAA	474115102223601	149-094-28AACC	474200102423801
149-091-33BCC	474055102203101	149-094-28CDAB	474130102430901
149-092-08BAAA	474446102285701	149-094-29ABB	474208102441201
149-092-10ACAA	474432102260401	149-095-03DBDA	474502102490801
149-092-10DABC	474417102260201	149-095-04ADCC	474513102502101

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
149-095-04CCB	474458102511401	150-089-13CBC	474833102?11301
149-095-05DCD	474451102514301	150-089-13CDD	474820102?04401
149-095-06ACC	474517102530901	150-089-14ADD	474843102?12201
149-095-06ADDB	474516102524401	150-089-15ADA	474852102?24001
149-095-06DAA	474511102524001	150-089-19CDD	474727102?71001
149-095-08AAC	474435102513301	150-089-20DCC	474727102?54301
149-095-08ADA	474432102512301	150-089-22DDA	474734102?24001
149-095-09CDD	474400102504501	150-089-23DCB1	474734102?15201
149-095-15CBB	474327102495701	150-089-23DCB2	474734102?15202
149-095-16AA	474350102501201	150-089-25BDDB	474703102?04501
149-095-16DAD	474321102500701	150-089-25CBB	474655102?11301
149-095-32ACAC	474101102514801	150-089-26AAA	474721102?12301
149-095-36DBD	474046102463601	150-089-26BCC	474701102?23101
150-087-03BAB	475050101480201	150-089-31BCC	474608102?73901
150-087-16DDA	474827101483101	150-089-31DAA	474602102?63201
150-087-20CBC	474741101505601	150-089-32DAA	474602102?51401
150-087-21AAA	474814101483101	150-089-33BCC	474609102?50501
150-087-22DAA	474748101471301	150-089-34AAA	474629102?24001
150-087-27BBB	474722101482101	150-089-34DDD	474543102?24001
150-087-31DCD	474544101512501	150-090-01BCBD	475034102?85301
150-087-32CBB	474604101505601	150-090-03CDD	475003102110201
150-087-32CCD	474544101504601	150-090-12BBB1	474957102?85601
150-087-33BAA	474630101490901	150-090-12BBB2	474957102?85602
150-087-34AAD	474623101471301	150-090-12DAA	474930102?74901
150-088-01DDD	475004101522301	150-090-13ACA	474851102?80801
150-088-02CBC	475017101544801	150-090-13ADA	474851102?74901
150-088-03CDD	475004101553601	150-090-13ADD	474845102?74901
150-088-05DAA	475024101573101	150-090-16CBB	474838102124801
150-088-07DBB	474931101591801	150-090-16CCC	474819102124801
150-088-08BCB	474945101583901	150-090-17CBA	474838102135501
150-088-09BBBD	474953101571701	150-090-17CCC	474819102140501
150-088-13CBC	474833101533001	150-090-19AAC	474808102142201
150-088-15CBB	474839101560501	150-090-19ADB	474802102142701
150-088-16CCD	474820101571201	150-090-20BDB	474759102134601
150-088-18ADD1	474846101584901	150-090-21BC	474756102124301
150-088-18ADD2	474846101584902	150-090-21CB	474743102124301
150-088-18ADD3	474847101584603	150-090-21CBB	474746102124801
150-088-24CCC	474728101533001	150-090-22CCC	474727102113101
150-088-25BAA	474721101530101	150-090-24AAAB	474814102?75101
150-088-27DAA	474655101545701	150-090-24DDD	474727102?74901
150-088-28DDD	474635101561401	150-090-25DAA1	474654102?74901
150-088-29CCD	474635101582901	150-090-25DAA2	474654102?74902
150-088-29CDC	474635101582001	150-090-25DAA3	474654102?74903
150-088-29DAD	474645101573001	150-090-25DAD	474647102?74901
150-088-33ADD	474606101561001	150-090-28DDC	474634102115001
150-088-34ABA	474629101551501	150-090-29ADA	474707102125701
150-088-34CCC	474542101560201	150-090-32ACB1	474616102130501
150-088-35BAB	474629101542801	150-090-32ACB2	474616102130502
150-089-01BCB	475037102011301	150-090-32CDC	474543102134801
150-089-04DCA	475010102041701	150-090-32CDD	474542102133601
150-089-06ADA	475036102063201	150-090-32DC	474546102132201
150-089-06BBC	475044102073001	150-090-33BDC	474608102122901
150-089-08DDD	474911102051401	150-090-33DCA	474549102120001
150-089-09CCC	474911102050501	150-090-36AAA	474628102?74901
150-089-12BBCA	474952102010901	150-090-36ADD	474608102?74901

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
150-091-35CCA	474551102174701	151-088-09AAB	475510101562301
150-092-02ABA	475048102245301	151-088-09ABB	475510101564301
150-092-04AADC	475041102270701	151-088-11AAA	475510101534001
150-092-08DDCA	474913102282901	151-088-12ABB	475510101525201
150-092-12BBDA	474952102240801	151-088-12BBA1	475510101532101
150-092-12CAB	474930102240301	151-088-12BBA2	475510101532102
150-092-14ABD	474900102245201	151-088-14BAD	475411101541801
150-092-20ABAC	474809102284401	151-088-18ADAC	475401101591001
150-093-01DDA	475008102310201	151-088-18DAD	475345101584801
150-093-02ADC	475028102322801	151-088-23DDA	475246101534001
150-093-02CBB	475022102332801	151-088-24CCC	475240101533101
150-093-04BD	475031102353001	151-088-24DAA	475259101522301
150-093-11BAA	474954102322501	151-088-25BBA	475233101532101
150-093-31ADD	474609102372101	151-088-25BBB1	475233101533001
150-093-33CAA	474603102352501	151-088-25BBB2	475233101533002
150-094-15ABC	474859102414001	151-088-25CCC	475146101533101
150-094-16ACC1	474846102425701	151-088-25CCD	475147101532101
150-094-16ACC2	474846102425702	151-088-27DDD1	475147101545701
150-094-19DDDA	474728102450101	151-088-27DDD2	475147101545702
150-094-21ABA	474813102424701	151-088-28DAA	475207101561401
150-094-22CBA	474747102420901	151-088-29AAA	475236101573101
150-094-23DBAC	474743102401801	151-088-29ADA	475220101573101
150-094-28ADA	474708102422801	151-088-29BBB	475233101583801
150-094-32CCB	474551102445201	151-088-31BBC	475134101595501
150-094-33ACC	474610102425701	151-088-33BBA	475141101571201
150-094-33CB	474600102433001	151-088-34AAA	475141101545701
150-094-35ACB	474617102402401	151-089-01DAA	475536102000501
150-095-05BBA1	475048102522501	151-089-04ABA	475602102041601
150-095-05BBA2	475049102522102	151-089-04ABD	475555102041601
150-095-08BDBD	474942102520901	151-089-04BBA	475602102045501
150-095-09BAAB	474959102504801	151-089-05DCC1	475516102054301
150-095-09DBDC	474920102502701	151-089-05DCC2	475516102054302
150-095-10DCBD	474927102491401	151-089-07BDB	475457102072001
150-095-13CBCD	474831102472201	151-089-07DCD	475424102065101
150-095-13DCC	474820102464601	151-089-10CDC1	475424102032801
150-095-14DCB	474826102480301	151-089-10CDC2	475424102032802
150-095-16CC	474823102510901	151-089-11CCC	475424102023001
150-095-17CACA	474832102520701	151-089-12ADD	475450102000501
150-095-18DCD	474820102525901	151-089-13DAA	475352102000501
150-095-21CCAC	474730102511001	151-089-14DDC	475332102013701
150-095-22AAC	474804102485701	151-089-18BBA	475418102072901
150-095-29CAC	474649102521201	151-089-19CCC	475240102073901
150-095-32AACD	474621102513101	151-089-24BBA	475326102010301
151-087-03ADD	475546101471301	151-089-25BBCA	475230102010901
151-087-08BB	475514101504601	151-089-25DAA	475208102000501
151-087-15BAA	475421101475201	151-089-30BBB1	475234102073901
151-087-15CDD	475336101475201	151-089-30BBB2	475234102073902
151-087-15DCC	475336101474201	151-089-30DDD	475148102063101
151-087-17DDC	475336101495801	151-089-31DCA	475103102065101
151-087-20AAC	475323101495801	151-089-33DDC	475056102040601
151-087-33DAA	475119101483101	151-089-34ABBD	475138102030401
151-088-01ABA1	475602101524301	151-089-34ADD	475122102023901
151-088-01ABA2	475600101524602	151-089-34DAA	475116102023901
151-088-08AAA	475510101573101	151-089-36DDD	475056102000501
151-088-08DAA	475443101573101	151-090-03ABB	475602102105201

Supplement 1. *Local numbers and site-identification numbers of wells, test holes, and springs--Continued*

Local number	Site-identification number	Local number	Site-identification number
151-090-03BAA	475602102110201	151-092-31AAA	475141102294001
151-090-03CCC	475513102113401	151-092-31BDD	475121102301801
151-090-05BBB	475602102140501	151-092-33CDC	475055102275401
151-090-05CBB	475536102140501	151-092-34DAA	475115102254901
151-090-06DAD	475529102141101	151-093-02ADCA	475542102321701
151-090-08DAD1	475437102125701	151-093-03DAD	475527102333201
151-090-08DAD2	475437102125702	151-093-03DBD	475527102335101
151-090-09BBB	475511102125201	151-093-09ACB	475455102351801
151-090-11AAB	475510102091301	151-093-09DBA	475442102350901
151-090-13BA	475418102082801	151-093-10AAAB	475510102333201
151-090-14ABDD	475408102092301	151-093-10BAB	475505102341801
151-090-14ACA1	475405102092501	151-093-14DAB	475350102322401
151-090-14ACA2	475405102092502	151-093-14DBAD	475847102322701
151-090-16BAB	475418102122901	151-093-15CDA	475337102341101
151-090-19BAA	475327102145001	151-093-16BCD	475356102354701
151-090-20DAD1	475253102125701	151-093-16BDCC	475355102353601
151-090-20DAD2	475253102125702	151-093-21ADD	475305102344801
151-090-25BAA	475235102082201	151-093-21BBA	475324102354701
151-090-25DDA	475155102074901	151-093-22DDD	475238102333201
151-090-26DDD	475148102090601	151-093-23BCC	475304102332201
151-090-29BBC	475227102140801	151-093-24DCC	475238102312501
151-090-30AA	475230102141901	151-093-27BBB	475232102343801
151-090-31AAA	475140102141401	151-093-28DCD	475146102350901
151-090-32BAC	475135102134601	151-093-28DDD1	475146102344901
151-090-32DDA	475103102125701	151-093-28DDD2	475145102344802
151-090-33DBD	475114102120101	151-093-29ADD	475212102360701
151-090-35BAA	475142102094501	151-093-33CBB	475114102355701
151-090-36ADD	475124102075201	151-093-34AAC	475120102340101
151-090-36BAD	475135102082701	151-093-34ABDA	475135102334501
151-090-36DDA	475103102074901	151-093-35BBB1	475140102332201
151-091-01BAA	475603102160601	151-093-35BBB2	475140102332202
151-091-01BBC	475555102163901	151-094-06AAB1	475601102451301
151-091-02BDC1	475542102173701	151-094-06AAB2	475601102451302
151-091-02BDC2	475542102173702	151-094-09ADD	475449102423001
151-091-02CDC	475515102173901	151-094-10AD	475452102411801
151-091-11BAA1	475510102172301	151-094-10BB	475505102421501
151-091-11BAA2	475510102172302	151-094-10CA	475439102415601
151-091-11BBB1	475510102175701	151-094-17CC	475334102444901
151-091-11BBB2	475506102175701	151-094-19ABDB	475320102452301
151-091-11BBC	475504102175601	151-094-28DAA	475207102423001
151-091-11CDD	475421102172201	151-094-29CC	475149102444901
151-091-12BBA1	475510102162501	151-094-33BCA	475128102432701
151-091-12BBA2	475510102162502	151-095-04DBD1	475529102502701
151-091-26CAA	475209102172801	151-095-04DBD2	475529102502702
151-092-03CCC	475514102265601	151-095-04DCCA	475517102503001
151-092-04BAB	475600102275401	151-095-05BDAC	475545102520401
151-092-06AAD	475553102294001	151-095-06DDAC	475518102524501
151-092-08BBB	475508102293001	151-095-08CACA	475438102521101
151-092-15ADD	475357102254901	151-095-09CD	475427102505101
151-092-15BBB	475416102265601	151-095-16BDBD	475359102504901
151-092-22DDD	475239102254901	151-095-20BDDB	475305102520601
151-092-23CCA	475245102253001	151-095-21DBBD	475256102503101
151-092-28ABAB	475233102272901	151-095-24ACD	475305102463901
151-092-30ABC	475226102300901	151-095-29ABB	475233102515301
151-092-30ADD	475213102293901	151-095-29BCB	475220102523101

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
151-095-30ABD	475226102530001	152-089-04ABA	480119102041501
151-095-30ACA	475220102530001	152-089-05BAC	480110102060401
151-095-30BBA	475231102533601	152-089-05BACB	480115102060601
151-095-30CDAC	475151102532401	152-089-06AAD	480112102063001
151-095-36ABA	475140102463901	152-089-06DAD	480045102063001
151-095-36ACB	475127102464801	152-089-08CCC1	475939102062001
151-095-36BBA	475140102471701	152-089-08CCC2	475939102062002
151-096-36AAA	475141102535701	152-089-13CDC	475846102005201
152-086-06DBDA	480045101434501	152-089-15CBB	475906102034601
152-087-15BCD	475915101481101	152-089-19ADC	475819102063901
152-087-16AAA	475934101483101	152-089-19BCC	475807102074001
152-087-17CCC	475849101505601	152-089-19BCCC	475815102073801
152-087-18ADD	475915101510501	152-089-22BBC1	475833102034601
152-087-18DDD	475847101510401	152-089-22BBC2	475833102034602
152-087-19ADD	475823101510501	152-089-23CCC	475753102022901
152-087-19BC	475825101595101	152-089-23CDB1	475759102020901
152-087-22BCB	475829101482101	152-089-23CDB2	475759102020902
152-087-22DCD	475757101473301	152-089-23CDB3	475759102020903
152-087-27BBC	475744101482101	152-089-25DAA	475719102000401
152-087-27BCB	475729101482301	152-089-27ABB	475622102040001
152-087-27CBB	475724101482101	152-089-27CBD	475713102033601
152-087-28DAA	475729101483401	152-089-28DCD	475700102041401
152-087-29BAA	475750101502701	152-089-29CCC1	475659102062001
152-087-34CCC	475612101482101	152-089-29CCC2	475659102062002
152-088-02ADC1	480059101534901	152-089-29CCC3	475700102062503
152-088-02ADC2	480059101534902	152-089-29CCC4	475700102062604
152-088-03DDCB	480031101550601	152-089-29CCC5	475701102062105
152-088-04BBAB	480120101571301	152-089-29DAD	475713102051201
152-088-04BBB	480117101572201	152-089-30ACA	475733102064901
152-088-04BBBD1	480120101571901	152-089-30BCC	475726102073701
152-088-04BBBD2	480120101571902	152-089-30CBC	475713102073701
152-088-04BDA	480121101571701	152-089-30DBA	475719102064901
152-088-05DAD1	480046101573001	152-089-30DDB	475706102063901
152-088-05DAD2	480043101572802	152-089-30DDD	475659102063001
152-088-06AAC1	480112101585701	152-089-31AAA	475653102063001
152-088-06AAC2	480112101585702	152-089-31ABA	475653102064901
152-088-10DDD	475940101545601	152-089-31BAB1	475653102071801
152-088-11BBB	480026101544701	152-089-31BAB2	475653102071802
152-088-13DCD	475847101524201	152-089-31BBB	475653102073701
152-088-21ACCA	475821101564201	152-089-34ABB	475655102031001
152-088-22AAA	475840101545601	152-089-34BBA	475653102033601
152-088-23ADA1	475827101534001	152-089-35DDC	475606102013101
152-088-23ADA2	475827101534002	152-089-35DDD	475606102012101
152-088-23ADA3	475827101534003	152-089-01CDD	480032102082501
152-088-24ABA	475840101524201	152-090-02CDD	480032102094301
152-088-28BBB1	475747101572101	152-090-02CDDA	480031102094001
152-088-28BBB2	475744101572301	152-090-03ABA	480119102104001
152-088-32BAA	475655101580901	152-090-08ACD	480006102131501
152-088-33BCAA	475642101571001	152-090-09BCC	480006102124601
152-088-34BBB	475654101560701	152-090-11DDD1	475938102090501
152-088-35AAA1	475655101534001	152-090-11DDD2	474538102090502
152-088-35AAA2	475655101534002	152-090-11DDD3	475938102090901
152-089-01BBB	480119102011101	152-090-12ABB	480026102081601
152-089-02BBB1	480119102022901	152-090-13BBC	475926102085401
152-089-02BBB2	480119102022902	152-090-13CCC1	475846102085401

Supplement 1. *Local numbers and site-identification numbers of wells, test holes, and springs--Continued*

Local number	Site-identification number	Local number	Site-identification number
152-090-13CCC2	475846102085402	152-090-36ABB2	475655102081602
152-090-13DAA1	475906102074701	152-090-36ABB3	475654102081703
152-090-13DAA2	475903102074702	152-090-36ABC	475647102081601
152-090-14CDC	475846102095201	152-090-36ADD	475634102074701
152-090-14DDD	475846102090401	152-090-36DDD	475607102074701
152-090-15BAA	475933102110001	152-091-04BBB1	480119102202901
152-090-15BAD	475925102110101	152-091-04BBB2	480119102202902
152-090-17CDC	475843102135101	152-091-05ADD	480059102203901
152-090-17CDD	475846102133401	152-091-05DBB1	480052102210801
152-090-17DDD	475846102125501	152-091-05DBB2	480052102210802
152-090-18CCC	475846102152001	152-091-05DBB3	480049102210503
152-090-18DDD	475846102141301	152-091-08DDD	475939102203901
152-090-19DDD	475753102141301	152-091-09CDC	475939102201001
152-090-20ADC	475820102130501	152-091-09DDD1	475940102192201
152-090-20ADD	475820102125501	152-091-09DDD2	475939102192102
152-090-20CDD	475753102133401	152-091-10BBB	480026102191201
152-090-21CBC	475807102124601	152-091-13CCD	475846102162801
152-090-22DAD	475807102102101	152-091-15BCC	475912102191201
152-090-23AAD	475833102090401	152-091-15BCCC	475909102191401
152-090-24BCCA	475822102085201	152-091-15DDA	475852102180401
152-090-24CDD	475753102082501	152-091-17ADC	475912102204901
152-090-24DDD	475753102074701	152-091-18BDC	475912102224501
152-090-25ABD	475740102080601	152-091-18CDA	475850102223601
152-090-25CBB	475717102085901	152-091-19DCC	475753102222501
152-090-25CCC	475700102085401	152-091-21DDD	475753102192201
152-090-25DBC1	475714102081601	152-091-24CDD	475753102160801
152-090-25DBC2	475714102081602	152-091-24DCC	475753102155901
152-090-25DDC1	475700102075601	152-091-25BBD	475739102162801
152-090-25DDC2	475700102075602	152-091-25DBB	475719102151901
152-090-26CDD	475700102094301	152-091-26ADD1	475726102164701
152-090-26DAA	475720102090401	152-091-26ADD2	475726102164702
152-090-26DAD	475711102090501	152-091-29AAA	475746102203901
152-090-26DDA	475707102090401	152-091-29CCC	475659102214701
152-090-26DDC	475700102091401	152-091-32ABB	475653102211301
152-090-27ABB1	475747102105001	152-091-32BBA	475655102214401
152-090-27ABB2	475747102105002	152-091-33ABD	475646102194101
152-090-27ABB3	475746102105003	152-092-01DCC	480033102234401
152-090-27CAA	475720102110001	152-092-02ACC	480100102250101
152-090-27DDD	475700102102101	152-092-02BCC	480100102254001
152-090-29ADD	475727102125601	152-092-02DD	480036102243701
152-090-29BCC	475727102140301	152-092-07AAA	480024102293701
152-090-29DCD	475700102131501	152-092-07AABB	480024102295401
152-090-30BB	475741102151701	152-092-11AAA	480026102243201
152-090-31DCB	475614102144201	152-092-11BDCC	480005102252201
152-090-33AAD	475647102113801	152-092-12DDD	475933102230901
152-090-33BBC	475647102124601	152-092-14DDD	475846102243201
152-090-34BAA1	475654102110001	152-092-15DCC	475846102261801
152-090-34BAA2	475654102110002	152-092-16CDBD	475847102275301
152-090-34BAB	475654102110901	152-092-16CDDC	475841102274501
152-090-35AAD	475647102090401	152-092-17BBB	475933102293101
152-090-35BAC	475647102095201	152-092-17BDCB	475911102291301
152-090-35BBD	475647102100201	152-092-17DDDA	475846102281901
152-090-36AAA	475654102074701	152-092-18AADD	475921102293701
152-090-36ABA	475654102080601	152-092-18ABBB	475931102301101
152-090-36ABB1	475654102081601	152-092-18DABB	475903102295101

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
152-092-19AAA1	475840102294101	152-094-20DDA	475800102434701
152-092-19AAA2	475840102294102	152-094-21BCC	475820102433701
152-092-19AAA3	475840102294103	152-094-21CAD	475807102430801
152-092-19AAA4	475839102293604	152-094-21DAA	475813102423001
152-092-19AAB	475840102295001	152-094-21DBC	475807102425901
152-092-19ABB	475840102301001	152-094-21DC	475757102425401
152-092-19ABBD	475833102300601	152-094-21DDB	475800102423901
152-092-20ADD	475820102282301	152-094-24BBB	475840102394601
152-092-20BBA	475840102292101	152-094-25CCC	475700102394601
152-092-20BBB1	475840102293101	152-094-25DAA	475720102383901
152-092-20BBB2	475840102293102	152-094-27AAB	475747102412201
152-092-21ADAA	475826102270301	152-094-27BBB	475747102422001
152-092-22ADCD	475816102255201	152-094-27DDD	475700102411301
152-092-28DDD	475700102270601	152-094-28ABA	475747102424901
152-092-29AAA	475746102282301	152-094-28BAB	475747102431801
152-092-29DDD	475700102282301	152-094-28BBC	475740102433701
152-092-30AAB	475746102295001	152-094-29AAB	475747102435601
152-092-31CCC	475606102304801	152-094-29ACC	475740102435601
152-092-31DAA	475626102294101	152-094-29CCC	475700102445401
152-093-01CCDA	480031102315301	152-094-29DCA	475707102440601
152-093-01CCDC	480029102315701	152-094-30ACD	475727102452301
152-093-01DAA	480050102305901	152-094-30ADD	475727102450401
152-093-12DDD	475940102305801	152-094-30CCD	475700102460201
152-093-13CACA	475858102314001	152-094-31ACA	475640102452301
152-093-13CDBD	475851102314301	152-094-31BCD	475633102460201
152-093-16BB	475928102354801	152-094-31DBD	475620102452301
152-093-18DCB	475854102375101	152-094-32BBB	475653102445401
152-093-20BAA	475840102364301	152-094-32CCB	475613102445401
152-093-20BAC	475834102365301	152-094-32DBC	475620102441601
152-093-23BDDC	475816102325101	152-094-33AD	475635102423101
152-093-24AADA	475835102305401	152-094-33BBB	475653102433701
152-093-25DCD	475700102311701	152-094-33CAB	475626102431801
152-093-25DDB	475706102310701	152-094-33DBA	475626102424901
152-093-26BCC	475727102331501	152-094-34ADC	475633102412201
152-093-34DAA1	475626102333101	152-094-34BCAA	475641102420701
152-093-34DAA2	475625102332902	152-094-32CAA	475626102415101
152-093-35CCD	475606102331201	152-094-35DCA	475613102401501
152-093-35DDD	475606102321501	152-095-02BD	480104102481901
152-094-01CCB	480040102394501	152-095-02BDCD	480056102481301
152-094-06DC	480037102452801	152-095-06BAC	480115102532701
152-094-07BB	480024102460601	152-095-07CB	475958102534201
152-094-10ABC	480020102414201	152-095-08CB	475958102522601
152-094-10ABD	480020102413201	152-095-16ADD	475914102500801
152-094-11DAC	475954102400501	152-095-19DD1	475758102524501
152-094-16CCA	475854102432801	152-095-19DD2	475758102524502
152-094-19ACC	475820102453301	152-095-20BDAC	475820102520401
152-094-19CBAA	475815102455901	152-095-32CBC	475621102523001
152-094-19CBBC	475812102461401	152-096-12AD	480012102540101
152-094-19CCAB1	475802102460401	153-088-36ADAC	480156101552701
152-094-19CCAB2	475802102460402	153-092-25AB	480301102264901
152-094-19CCCC	475752102461401	153-094-18DCDA	480408102484601
152-094-19CCDD1	475752102455901	153-094-19CDD	480311102490701
152-094-19CCDD2	475752102455902	153-094-23CCC1	480311102442501
152-094-19DBC	475807102453301	153-094-23CCC2	480311102442502
152-094-20ACC	475820102441601	153-094-23CCC3	480311102442503

Supplement 1. Local numbers and site-identification numbers of wells, test holes, and springs--Continued

Local number	Site-identification number	Local number	Site-identification number
153-094-29DDAC	480224102471401	153-094-32CDBD	480132102475301
153-094-30DD	480222102483301	153-094-33CBAC	480145102465501
153-094-32BDCA	480144102473601		