Hydrogeologic Data Collected from a Crude-Oil Spill Site near Bemidji, Minnesota, 1983-91

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CONTENTS

ILLUSTRATIONS

TABLES

CONVERSION FACTORS, ABBREVIATIONS AND VERTICAL DATUM

Multiply	By	To obtain
liter (L)	0.2642	gallon
meter (m)	3.2808	foot
kilometer (km)	0.6215	mile

Land-surface datum: In this report "land-surface datum" refers to altitude, in meters, above 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.

Abstract

The U.S. Geological Survey began a research project at the site of a crude oil spill near Bemidji, Minnesota in 1983. The project is part of the U.S. Geological Survey's Toxic Substances Hydrology Program. The objectives of research at this site are to obtain an understanding of the mobilization, transport, and fate of petroleum derivatives in the shallow subsurface and to use this understanding to develop predictive models of contaminant behavior. This report presents location and altitude data for selected features at the research site, water and oil level records from observation wells collected from 1983 through 1991, geologic logs from 45 observation wells and test holes, particle-size distribution data from 45 observation wells and test holes, and precipitation records from 1948 through 1991.

Introduction

In 1983 the U.S. Geological Survey (USGS) Toxic Substances Hydrology Program began an interdisciplinary research project focused on the mobilization, transport, and fate of petroleum derivatives in the shallow subsurface at the site of a crude-oil spill near Bemidji, Minnesota. This report contains selected hydrogeologic and location data collected at the research site from 1983 through 1991. The data in this report, and additional data collected after 1991, are available in digital format from the Minnesota District of the U.S. Geological Survey.

Description of Research Site

On August 20, 1979 approximately 16 km northwest of Bemidji, Minnesota, the land surface and shallow subsurface were contaminated when a crude-oil pipeline burst, spilling 1,700,000 L of crude oil onto a glacial outwash aquifer (fig. 1, in the back of the report). After cleanup efforts were completed, 400,000 L of crude oil remained (Hult, 1984b). The research site is located in a remote area of Beltrami County where neither human-related hydraulic stresses nor other contamination has occurred.

The spill occurred in the recharge area of a local flow system that discharges to a small lake about 400 m downgradient from the pipeline. The land surface consists of pitted and dissected glacial outwash. The glacial outwash is about 8 m thick and is underlain by other stratified glacial deposits ranging from coarse sand and gravel to silty sand and clay. A regionally persistent and uniform till underlies the glacial deposits at a depth of about 25 m. The water table ranges from near land surface to about 11 m below the land surface.

Crude oil has infiltrated the unsaturated zone and percolated to the water table. Since the spill occurred, crude oil floating on the water table has moved about 30 m downgradient. A plume of dissolved petroleum derivatives within the shallow ground water extends at least 200 m downgradient from the pipeline break. Crude oil overlying the water table has become increasingly more viscous and dense since the spill occurred because soluble organic constituents and intermediate degradation products have dissolved and moved with the ground-water, and volatile constituents have diffused through the unsaturated zone as vapors (Hult, 1991).

Research Objectives and History

Research objectives are to improve understanding of the mobilization, transport, and fate of petroleum derivatives in the shallow subsurface, and to use this understanding to develop predictive models of contaminant behavior. Research is conducted by a coordinated effort of researchers from the National Research Program (NRP), Districts of the Water Resources Division (WRD), and Geologic Division (GD) of the USGS, and several academic institutions. Results of the project have been published as proceedings of conferences (Franks, 1987; Hult, 1984a; Mallard and Aronson, 1991; Mallard and Ragone, 1989; and Ragone, 1988) and as articles in scientific journals. The initial emphasis of the project was to characterize the hydrogeochemical environment, and identify the controlling geochemical reactions.

Approach and Methods

Two hundred and forty-six wells and test holes have been installed at the Bemidji Research site. Crude oil, water, soil, and vapor samples have been collected and analyzed. One hundred and seventy-three observation wells were installed for water-level measurements. Thirty-six observation wells were installed for both water- and oil-level measurements where crude oil was present at or near the water table. Seventeen observation wells were installed for measurement of soil gases and volatile organic compounds (VOCs) in the unsaturated zone. Twenty test holes were drilled primarily to obtain information about geology and extent of crude-oil migration. Particle-size distribution was determined from core samples collected at 45 of these wells and test holes. Land-surface coordinates (X and Y, horizontal

values) and land-surface altitude (Z, vertical values) for wells, test holes, bench marks, and staff gages; and well construction information for wells are listed in table 1, in the back of the report. Figures 2 through 5, in the back of the report, are successive inset maps that identify locations of these wells and test holes.

Selected wells at the research site were installed in clusters. Observation wells installed in clusters are within one to four meters of each other and identified by a letter added to the well number (table 1). For example, wells 310A, 310B, and 310C are included in the 310 well cluster. Wells in a cluster were installed at different depths to provide information about the piezometric head and water-quality distribution throughout the aquifer. Only the general well cluster number (for example, well 310) is identified on figures 2-5.

The research use code column in table 1 identifies the site type. Observation wells installed for water-level measurements are labeled w. Observation wells installed for sampling of soil gas are identified as v. The soil gas observation wells were constructed of several lengths of 2.1 or 4.2 mm (millimeter) inside-diameter stainless steel tubing installed to different depths with a 5 cm (centimeter) screen at the bottom. Wells in which oil was present are labeled o. Test holes are labeled t. Bench marks (BM) are labeled b and staff gages are labeled s.

The X and Y site coordinates listed in table 1 are shown on figures 3-5. The orthogonal grid system was established for location of geophysical research points and observation wells. The origin of the grid system, (0,0), is located at BM1. The X axis is parallel to the railroad tracks (fig. 3). BM1, a spike in concrete at the land surface, was installed in 1985. The altitude of BM1 was determined from a bench mark, established in 1979 by the pipeline company, located on a railroad tie. BM2 is the measuring point (MP) of well 317. Bench marks 3-6, installed in 1991, are 4 foot fence posts installed about 3 feet into the ground and anchored with concrete. The MP altitude on bench marks 3-6 is the top of the post. Bench marks 3-6 were established to provide localized X and Y coordinates and land- surface altitudes for locating new wells or landmarks at the research site. The altitude of the staff gages were determined relative to land-surface datum by establishing an MP at a nail located on the gage scale (table 1). The altitude of each site was determined with respect to BM1 and is reported with reference to land-surface datum.

Surveying information is listed in table 1 under the heading survey source code. This information was formatted to show both horizontal and vertical surveys (horizontal/vertical). Each survey designation consists of two parts, a letter designating survey source followed by the year the surveying was done. For example, D-91/O-88 indicates that horizontal surveying was done by the Minnesota District in 1991 and the vertical surveying was done by Okerman Surveying in 1988. Surveying at the research site was conducted by three different survey crews using laser theodolites. The crews were from the Geologic Division (G) and the Minnesota District of the USGS (D), and Okerman Surveying (O)[1] (a contractor to the Minnesota District). A fourth source category (F) identifies wells where the X, Y, or Z values were calculated from field measurements, GPS (global positioning system) measurements, or from topographic maps. The Survey source designation G with no year shown was surveyed in either January 1986 or March 1987 (Jeff Lucias, Geologic Division, U.S. Geological Survey, written commun.). Surveyed points are reported to 0.1 m for horizontal measurements and 0.01 m for vertical measurements. Non-surveyed points (F) are reported to the nearest meter for horizontal valves and to the nearest tenth of a meter for vertical values.

Observation well construction information is listed in table 1. Measured well depth was determined by measuring the distance from the measuring point to the bottom of the well using a weighted steel tape. All observation well depths were measured in 1991. Observation well screens are 10 or 12 slot, wire-wound and composed of stainless steel. Missing well construction information was estimated by using documented well construction information from wells that were installed at the same time. Estimated values are denoted by an e following the number.

The available log code column lists the type of well log that was obtained for the site. The log types include: drillers log (D), core log (C), well construction information (W), particle-size distribution analyses (P), and none (N). The casing material code column lists the casing material used for each well. The material types are 5.1 cm inside diameter galvanized steel (GV), 5.1 cm inside diameter polyvinyl chloride (PVC), 2.1 or 4.2 mm inside-diameter stainless steel tubing for vapor wells (SS), and 10.2 cm inside diameter black steel (BS); there was no casing installed (N) in test holes.

Figure 2 is an inset from figure 1 that shows the locations of lakes, Grant Creek, pipelines, observation wells, BM4, and the lake gage. The wells were installed to determine the local configuration of the water table. X and Y coordinates of wells shown in this figure were determined using a GPS satellite positioning instrument in March 1992 (the lake gage and BM4 were surveyed).

[1] Use of trade names in this report is for identification purposes only and does not constitute an endorsement by the U.S. Geological Survey.

Duplicate points measured by GPS in the field varied by as much as 50 m. The latitude and longitude of wells obtained by GPS were added to a base map created in a geographic information system (GIS) (ARC/INFO) from the digitized USGS 1:24,000, 7-1/2 minute topographic map (Wilton quadrangle, 1972). Altitudes for the wells on figure 2 were estimated using the topographic map and are accurate to within 1.5 m.

Figure 3 shows additional wells and the locations of map insets for figures 4 and 5. The locations of the surveyed horizontal well coordinates were superimposed on the base map using ARC/INFO. This was done by aligning surveyed and GIS points on the railroad tracks, the edges of lakes and wetlands, and by using locations scaled from field measurements of the distances between the railroad tracks and BM1. Figures 4 and 5 show observation wells, bench marks, the wetland gage, and cultural features.

Well cluster 501 was completed in sediments under the lake (fig. 3). The well casings extend up through the lake, and a wooden platform has been constructed around the wells. A line of wells heading northeastward from well 310 (fig. 3) to well 955 (fig. 5) crosses over a pool of oil that overlies the water table near the pipelines and the railroad tracks. Water levels from these wells provide information about ground-water movement along a flow path that crosses a major oil pool. A second line of wells begins at the northeastern edge of the wetland at well 313 and continues northeastward over another oil pool to well 981 (fig. 4).

The X and Y coordinates and land-surface altitudes of surveyed land- surface points at the research site are shown in table 2, in the back of the report. The survey data was obtained by either Geologic Division (G) or Minnesota District (D) survey crews. The surveyed coordinates and land-surface altitudes at the wells have been used to create a topographic map of the research site. Grid point refers to temporary reference points placed in the field to locate GPR (ground penetrating radar) survey lines run by Geologic Division researchers. The grid . points were located on a 20 x 20 m grid on the central portion of the research site. In 1991 the 20 x 20 m grid was refined to 10 x 10 m in some areas.

Water levels measured in observation wells during 1983 through 1991 are listed in table 3, in the back of the report. Measurements were made by using either a steel tape or an electronic water-level meter.

Water and oil levels measured in observation wells during 1983 through 1991 are listed in table 4, in the back of the report. An electric meter was used to measure the water and oil levels. The instrument emits a tone when the probe contacts the oil surface and emits a different tone when the probe contacts the water surface.

Monthly and annual precipitation data collected at the NOAA (National Oceanic and Atmospheric Administration) weather station located at the Bemidji airport (fig. 1) from 1948 to 1991 are listed in table 5, in the back of the report.

Particle-size distribution by sieve analysis, in weight percent, from 45 project wells are listed in table 6, in the back of the report. Table 7, in the back of the report, continues the particle-size distribution analyses by hydrometer analysis for the finer sediments contained in some of the samples. Cores and split spoon samples were collected at successive depths during drilling. Individual analyses at different depths from well clusters were combined in the table. The size designation, phi class retained (PC), was used for these analyses. PC is related to sieve screen size as follows:

Screen size (in millimeters)	Numerical equivalent (in millimeters)	Phi class
4	2^2	-2
2	2^1	-1
1	2^0	0
.5	2^{-1}	1
.25	2^{-2}	2
.125	2^{-3}	3
.0625	2^{-4}	4

In table 7 the PC heading is listed directly above the weight percent (WP) values for each depth range because the PC categories change for most samples. Cores and split spoon samples were collected at successive depths during drilling. Individual analyses at different depths from well clusters were combined in the table. The hydrometer analyses are accurate to +/- 5 percent, which explains the negative values for weight percent in several of the samples in table 7 (David Franzi, SUNY-Plattsburgh State University of New York, personal communication).

Geologic logs of wells and test holes collected during drilling are shown in table 8, in the back of the report. The surficial material is a glacial drift consisting mostly of fine to coarse sand, with lenses of finer grained silts and clays.

The glacial drift is bounded below by a regionally persistent till at a depth of 20 to 30 m.

Acknowledgments

Many researchers and technicians have conducted research at the Bemidji Research Site, and have been instrumental in contributing to the data included in this report. A special thank you goes to Don Boyce, who has assisted in instrumentation and maintenance of the research site since 1987.

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Ragone, S.E., ed., 1988, U.S. Geological Survey Program on Toxic Waste--Ground- Water Contamination--Proceedings of the second technical meeting, Cape Cod, Massachusetts, October 21-25, 1985: U.S. Geological Survey Open-File Report 86- 481, 150 p.

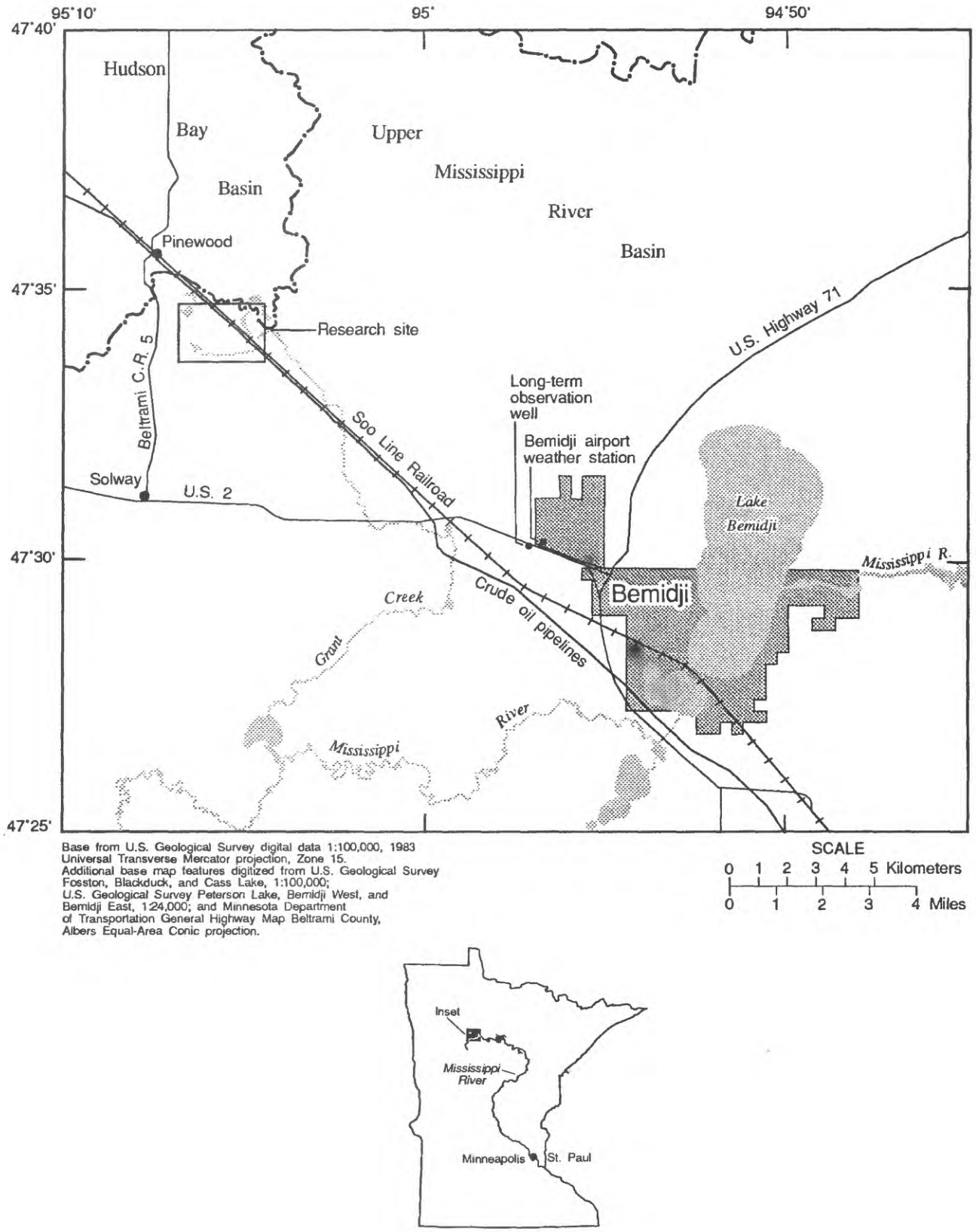


Figure 1. -- Location of research site near Bemidji, Minnesota

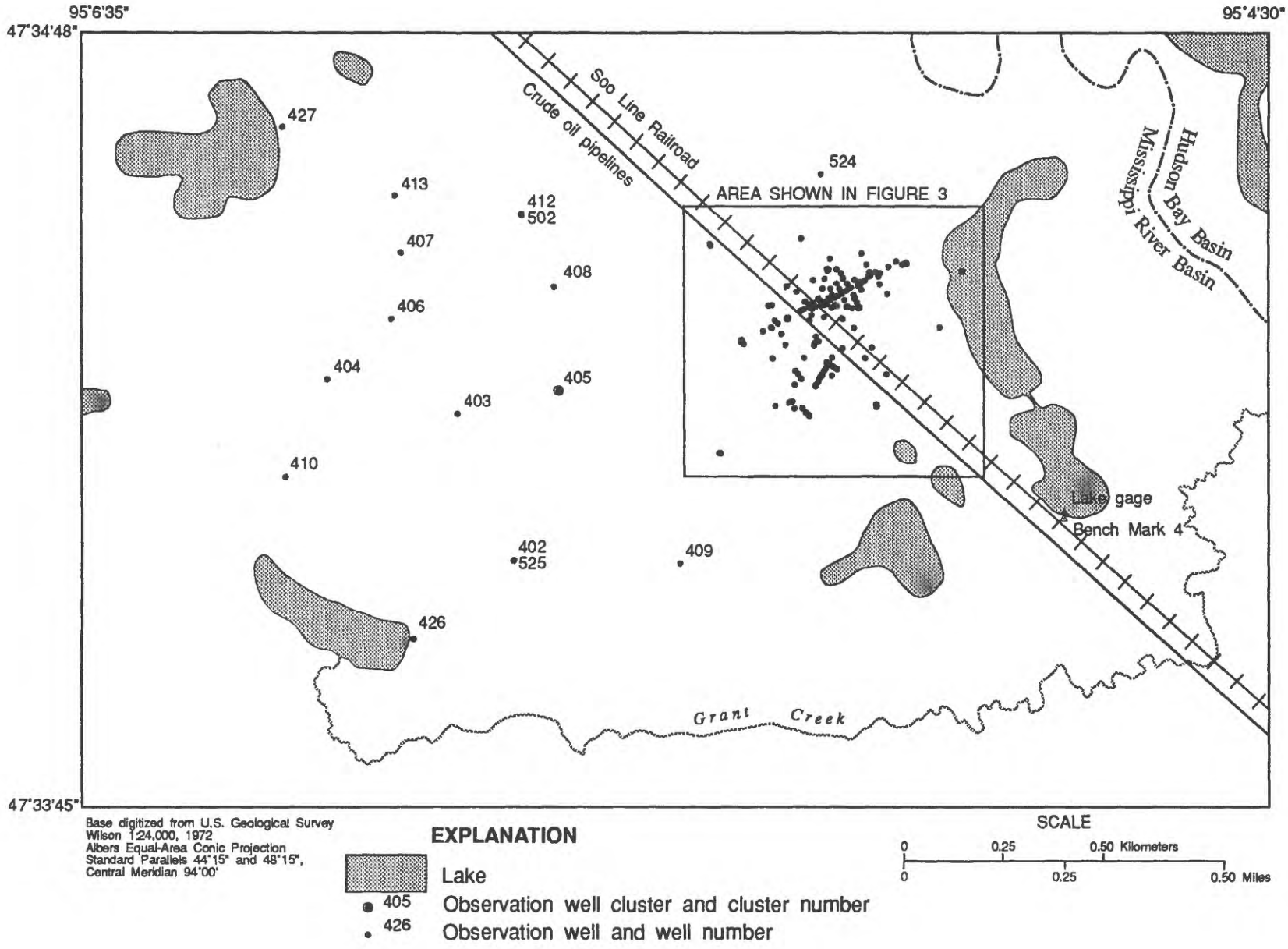
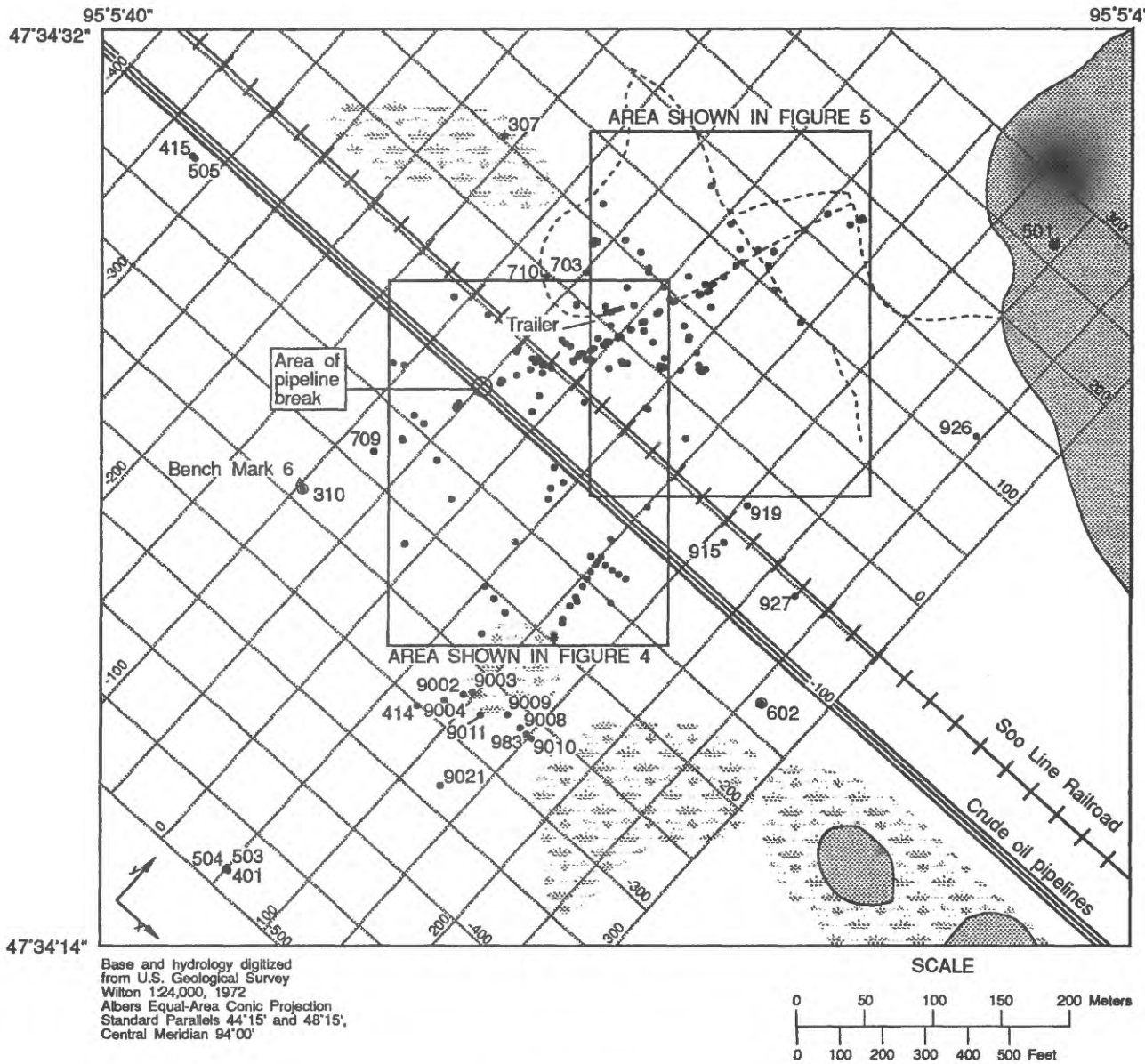


Figure 2.--Inset from Figure 1 showing location of lakes, Grant Creek, pipelines, obsevation wells, Bench Mark 4, and lake gage in vicinity of site.



EXPLANATION

- Lake
- Wetland
- Trails
- 709 — Observation well and well number
- 310 — Observation well cluster and cluster number

Figure 3.--Inset from figure 2 showing local grid system, cultural features, Bench Mark 6, and observation wells.

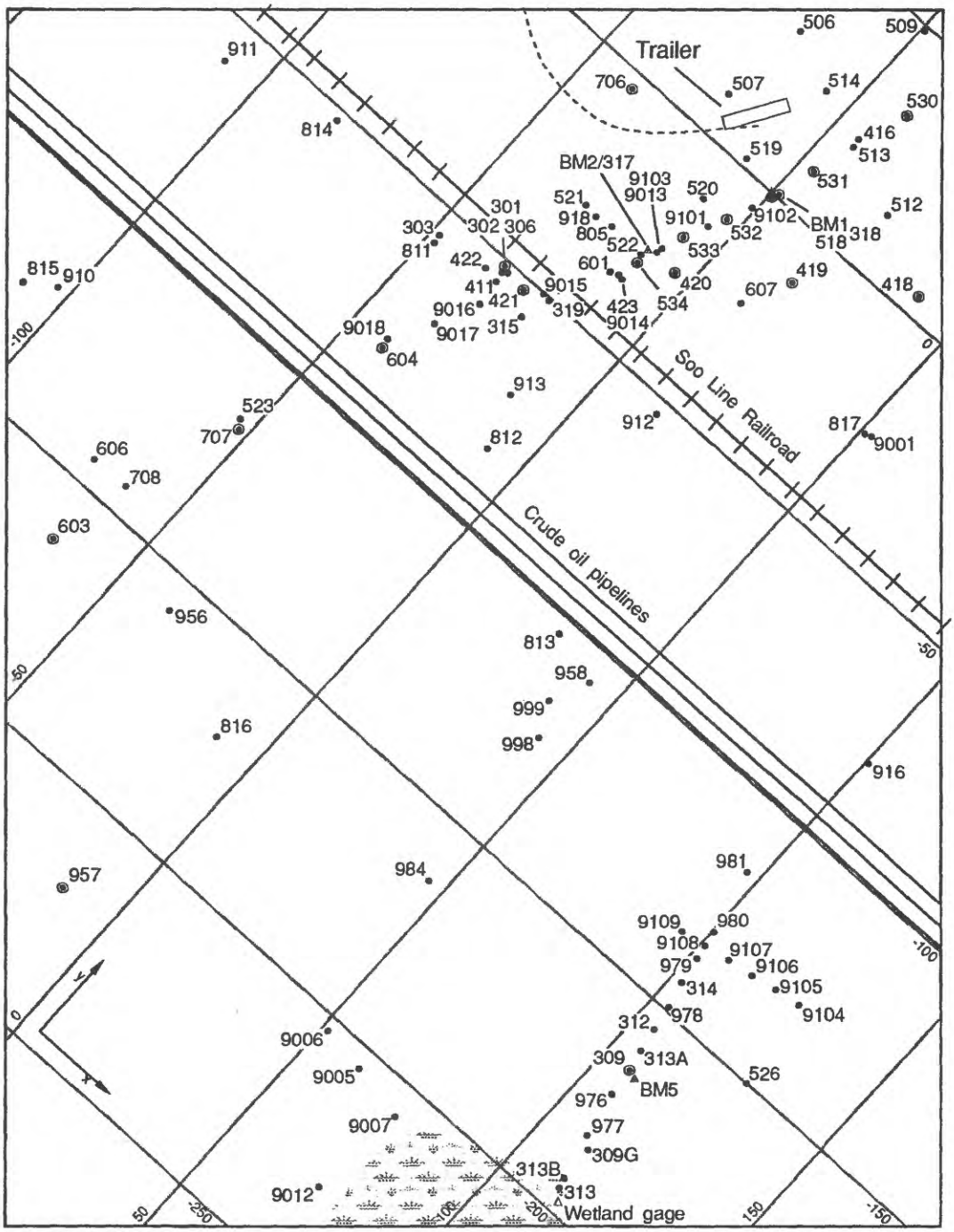
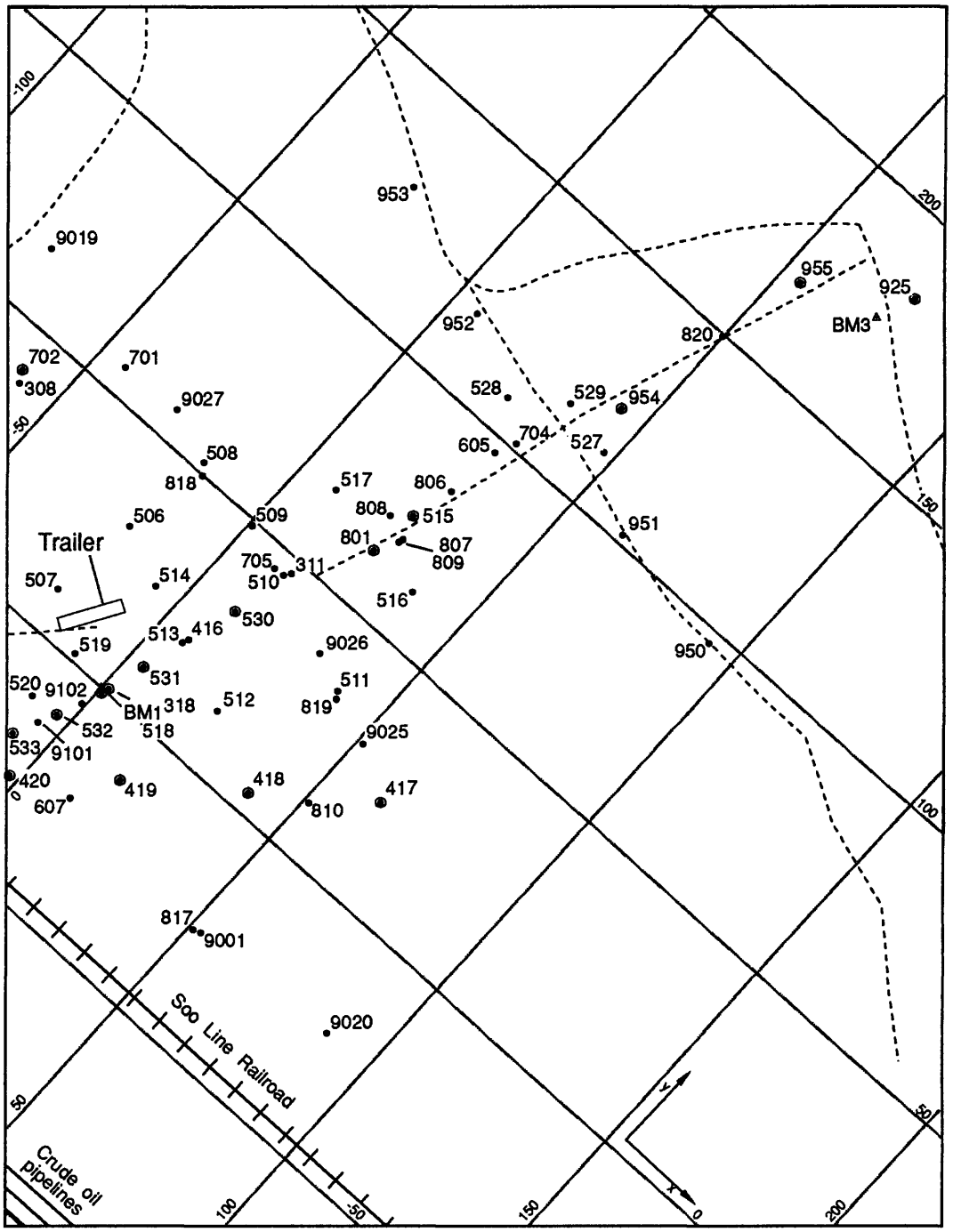


Figure 4.--inset from figure 3 showing observation wells, bench marks, wetland gage, and cultural features.



Base digitized from U.S. Geological Survey
Wilton 1:24,000, 1972
Albers Equal-Area Conic Projection
Standard Parallels 44°15' and 48°15',
Central Meridian 94°00'

EXPLANATION

- ------ Trails
- 810 Observation well and well number
- 417 Observation well cluster and cluster number
- BM1 Bench mark and bench mark number

Figure 5.--Inset from figure 3 showing observation wells, bench marks, and cultural features.

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages

[m, meters; WG, wetland gage; LG, lake gage; e, estimated; x, not applicable; n, information not available; *, average lake level]

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
BM1	b	85e	O-91/O-91	0.0	0.0	432.61	0.00	432.61	x	x	x	x	x	x	x	x
BM	b	7/83e	O-91/O-91	-11.8	-27.8	432.36	0.66	433.02	x	x	x	x	x	x	x	x
BM3	b	9/91	O-91/O-91	71.9	175.3	432.82	0.36	433.18	x	x	x	x	x	x	x	x
BM4	b	9/91	O-91/O-91	799.6	-28.6	425.81	0.31	426.12	x	x	x	x	x	x	x	x
BM5	b	9/91	O-91/O-91	109.0	-165.8	425.32	0.38	425.70	x	x	x	x	x	x	x	x
BM6	b	9/91	O-91/O-91	-101.8	-236.5	433.17	0.31	433.48	x	x	x	x	x	x	x	x
WG[6]	s	n	O-91/O-91	114.7	-197.3	x	x	424.46	x	x	x	x	x	x	x	x
LG[7]	s	n	O-91/O-91	787.9	-17.4	x	x	422.72	x	x	x	x	x	x	x	x
Lake[8]	l	x	x	x	x	422.20	x	x	x	x	x	x	x	x	x	x
301A	o	5/21/83	G/O-88	-32.8	-51.2	430.34	0.37	430.71	424.31	422.79	8.55	6.40	1.52	n	D, W	GV
301G	v	n	G/O-88	-32.1	-52.9	430.02	0.42	430.44	x	x	x	x	x	x	N	SS
302	o	5/83e	G/O-88	-32.8	-52.0	430.26	0.21	430.47	415.53	414.62	15.99	14.94	0.91	n	D, W	GV
303	w	5/83e	G/O-91	-48.2	-56.1	430.36	0.28	430.64	424.24	422.72	7.86	6.40	1.52	n	D, W	GV
306	o	5/83e	G/O-88	-31.5	-52.1	430.17	0.44	430.61	423.8e	422.3e	8.89	6.8e	1.5e	0.5e	N	GV
307	w	5/25/83	G/G	-160.4	53.3	425.76	0.45	426.21	424.08	422.56	3.87	2.13	1.52	0.53	D, W	GV
308	w	5/83e	G/0-88	-58.8	38.2	426.97	0.76	427.73	423.5e	422.0e	6.21	4.2e	1.5e	0.5e	N	GV
309A	o	5/83e	O-91/O-91	107.2	-166.1	425.35	0.59	425.94	424.3e	422.8e	3.60	1.6e	1.5e	0.5e	N	GV
309B	v	12/17/87	D-91/O-91	106.5	-164.0	425.37	0.34	425.71	x	x	x	x	x	x	A	GV
309G	v	n	O-91/O-91	111.8	-184.3	424.71	0.43	425.14	x	x	x	x	x	x	N	GV
310A	w	5/83e	G/O-88	-96.6	-238.8	432.95	0.86	433.81	424.48	422.96	11.31	9.33	1.52	0.46	W	GV
310B	w	10/27/83	G/O-88	-97.5	-239.1	433.00	0.75	433.75	406.77	405.86	28.19	26.98	0.91	0.53	D,W	GV
310C	w	10/31/83	G/O-88	-97.1	-238.1	432.88	1.04	433.92	415.63	414.72	20.15	18.29	0.91	0.61	D,W	GV

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
310D	w	85	G/O-88	-97.9	-239.6	432.97	0.82	433.79	423.8e	422.9e	11.44	10.0e	0.9e	0.5e	N	PVC
310E	w	6/25/86	G/O-88	-90.5	-239.6	432.88	0.38	433.26	423.05	421.53	11.85	10.21	1.52	0.46	D, P, W	PVC
310G	v	n	O-91/O-91	-100.6	-238.2	433.08	0.40	433.48	x	x	x	x	x	x	N	SS
310H	w	n	O-91/O-91	-99.4	-236.7	433.02	0.57	433.59	n	n	13.70	n	n	n	N	BS
311	w	6/83e	G/O-88	14.3	46.9	432.64	0.79	433.43	423.98	422.46	12.19	9.45	1.52	1.37	W	GV
312	o	6/83e	D-91/O-88	104.8	-154.7	425.79	0.61	426.40	424.2e	422.7e	4.14	2.2e	1.5e	0.5e	N	GV
313	o	6/83e	D-91/O-88	112.7	-194.7	424.27	0.71	424.98	424.3e	422.8e	2.72	0.7e	1.5e	0.5e	N	GV
313A	t	n	D-91/D-91	105.6	-160.2	425.57	x	425.57	x	x	x	x	x	x	N	N
313B	t	n	D-91/D-91	112.1	-192.4	424.52	x	424.52	x	x	x	x	x	x	N	N
314	o	6/83e	D-91/O-88	102.4	-143.0	425.98	0.56	426.54	424.6e	423.1e	3.92	1.9e	1.5e	0.5e	N	GV
315	o	7/83e	G/O-88	-22.5	-57.5	429.82	0.77	430.59	424.7e	423.2e	7.90	5.9e	1.5e	0.5e	N	GV
317	o	7/83e	O-91/O-91	-11.8	-27.8	432.36	0.66	433.02	424.6e	423.1e	10.41	8.4e	1.5e	0.5e	N	GV
318A	w	7/83e	G/O-88	1.1	0.4	432.64	0.72	433.36	424.7e	423.2e	10.73	8.7e	1.5e	0.5e	N	GV
318B	w	1988e	G-90/O-91	1.4	1.0	432.60	0.60	433.20	423.7e	423.1e	13.50	9.5e	0.61e	3.4e	N	PVC
319	o	7/83e	O-91/O-91	-20.5	-50.6	430.02	0.85	430.87	423.7e	422.2e	9.17	7.2e	1.5e	0.5e	N	GV
401	w	5/8/84	D-91/D-91	49.3	-485.0	429.87	0.97	430.84	424.44	422.92	8.51	6.40	1.52	0.61	D, W	GV
402	w	5/8/84	F-92/F-92	-154	-1032	427.0	0.43	427.4	425.3	423.8	4.22	2.13	1.52	0.61	D, W	GV
403	w	5/8/84	F-92/F-92	-508	-854	429.2	0.74	429.9	426.6	425.1	5.18	3.35	1.52	0.61	D, W	GV
404	w	5/8/84	F-92/F-92	-811	-1012	428.9	1.29	430.2	425.9	424.4	6.25	4.27	1.52	0.61	D, W	GV
405A	w	5/10/84	F-92/F-92	-358	-641	430.4	0.56	431.0	426.0	424.5	6.78	5.03	1.52	0.61	D, W	GV
405B	w	7/16/84	F-92/F-92	-358	-641	430.4	0.62	431.0	417.1	416.5	15.33	13.87	0.61	0.53	D, W	GV
405C	w	7/16/84	F-92/F-92	-358	-641	430.4	0.43	430.8	424.4	423.8	.76	6.40	0.61	0.53	D, W	GV
405D	w	7/19/84	F-92/F-92	-358	-641	430.4	0.46	430.9	421.3	420.8	11.07	9.60	0.53	0.61	D, W	GV
405E	w	7/10/86	F-92/F-92	-358	-641	430.4	0.26	430.7	404.8	404.2	26.44	25.91	0.61	0.53	C, W	PVC

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
406	w	6/19/84	F-92/F-92	-791	-789	430.4	0.80	431.2	425.9	424.4	7.72	5.33	1.52	0.46	D, W	GV
407	w	6/19/84	F-92/F-92	-886	-649	431.3	0.82	432.1	425.7	424.2	8.71	6.40	1.52	0.46	D, W	GV
408	w	6/19/84	F-92/F-92	-542	-455	432.5	0.56	433.1	425.6	424.1	9.58	7.47	1.52	0.46	D, W	GV
409	w	6/19/84	F-92/F-92	163	-758	427.9	0.80	428.7	425.5	424.0	4.46	3.20	1.52	0.46	D, W	GV
410	w	6/19/84	F-92/F-92	-726	-1265	426.7	0.90	427.6	424.4	422.9	5.49	3.20	1.52	0.46	D, W	GV
411	o	6/20/84	G/O-88	-32.0	-55.2	429.84	0.95	430.79	424.39	422.87	8.57	6.40	1.52	0.46	W	GV
412	w	6/21/84	F-92/F-92	-722	-375	433.7	1.10	434.8	424.1	422.6	12.30	10.67	1.52	0.46	D, W	GV
413	w	6/21/84	F-92/F-92	-993	-544	433.1	1.17	434.3	426.8	425.3	9.78	7.47	1.52	0.46	W	GV
414	w	6/21/84	D-91/O-91	73.0	-301.4	430.13	0.90	431.03	424.63	423.11	8.34	6.40	1.52	0.46	D, W	GV
415	w	6/21/84	F-92/F-92	-321	-111	433.3	0.69	434.0	425.5	424.0	11.89	8.54	1.52	1.2e	D, W	GV
416	w	6/28/84	G/O-88	7.1	20.9	432.71	1.08	433.79	424.19	422.67	11.40	9.60	1.52	0.53	D,P,W,C	GV
417A	w	7/17/84	G/O-88	63.5	23.5	431.61	0.65	432.26	416.10	415.49	17.30	16.16	0.61	0.53	W	GV
417B	w	7/18/84	G/O-88	62.2	22.4	431.60	0.55	432.15	419.3e	418.7e	14.07	12.9e	0.61	0.53	C	GV
417C	w	7/18/84	G/O-88	61.0	21.4	431.65	0.61	432.26	424.79	423.27	10.19	7.47	1.52	1.07	W	GV
417D	w	7/18/84	G/O-88	63.8	21.9	431.51	0.72	432.23	422.63	422.02	10.90	9.60	0.61	0.53	W	GV
417E	w	10/17/84	G/O-88	58.6	24.0	431.85	1.04	432.89	420.7e	420.1e	13.32	12.2e	0.6e	0.5e	C, P	GV
417F	w	1991e	G-90/O-91	64.4	24.7	431.52	0.51	432.03	422.43	422.28	8.82	9.60	0.15	0.31	W	PVC
418A	w	7/18/84	G/O-88	39.8	5.3	432.21	0.85	433.06	415.99	415.38	18.31	17.07	0.61	0.53	W	GV
418B	w	7/18/84	G/O-88	38.8	4.6	432.19	0.66	432.85	419.51	418.90	14.58	13.34	0.61	0.53	W	GV
418C	w	7/18/84	G/O-88	39.9	3.9	432.26	0.11	432.37	422.77	422.16	10.34	9.60	0.61	0.53	W	GV
418D	w	10/16/84	G/O-88	37.7	3.7	432.20	0.45	432.66	424.12	422.60	10.15	8.54	1.52	0.46	D, W	GV
418E	w	1991e	O-91/O-91	41.4	6.1	432.17	0.65	432.82	422.75	422.60	10.65	10.07	0.15	0.31	W	PVC
419A	w	7/19/84	G/O-88	18.8	-10.5	432.49	0.52	433.01	422.87	422.26	11.34	10.14	0.61	0.53	W	GV
419B	w	7/19/84	G/O-88	17.1	-12.1	431.91	0.44	432.35	419.4e	418.8e	14.09	12.9e	0.6e	0.5e	N	GV

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
419C	w	10/16/84	G/O-88	16.1	-13.1	432.06	0.57	432.63	424.09	422.57	10.69	8.54	1.52	0.46	D, W	GV
419R	w	n	O-91/O-91	14.4	-12.0	432.30	0.51	432.81	x	x	12.18	x	0.00	0.00	W	PVC
420A	o	7/84e	G/O-88	-5.0	-27.8	432.25	0.20	432.45	423.8e	422.3e	10.67	8.7e	1.5e	0.5e	N	GV
420B	w	7/84e	G/O-88	-3.6	-27.1	432.26	0.42	432.68	419.8e	419.2e	13.97	12.9e	0.6e	0.5e	N	GV
420C	w	7/84e	G/O-88	-2.4	-26.1	432.26	0.38	432.64	416.3e	415.7e	17.33	16.3e	0.6e	0.5e	N	GV
420D	o	10/17/84	G/O-88	-5.9	-28.7	432.34	0.50	432.84	424.31	422.79	10.56	8.53	1.52	0.46	D, W	GV
421A	o	84	G/O-88	-25.9	-51.8	429.93	0.62	430.55	423.3e	421.8e	9.30	7.3e	1.5e	0.5e	N	GV
421B	o	5/29/87	G/O-88	-27.0	-53.6	429.94	0.67	430.61	424.51	422.99	8.20	6.10	1.52	0.61	D, W	PVC
422	o	84	G/O-88	-35.8	-54.5	429.95	0.29	430.24	424.6e	423.1e	7.59	5.6e	1.5e	0.5e	N	GV
423	o	10/16/84	G/O-88	-12.9	-35.9	430.41	0.90	431.31	422.77	421.25	10.50	8.54	1.52	0.46	D, W	GV
426	w	10/17/84	F-92/F-92	-210	-1350	424.6	0.92	425.5	424.6e	423.7e	1.86	0.9e	0.91	0.00	W	GV
427	w	10/17/84	F-92/F-92	-1319	-618	426.0	0.57	426.6	425.7e	424.8e	1.82	0.9e	0.91	0.00	W	GV
501A	w	2/28/85	O-91/O-91	192.8	264.2	422.2 *	0.78	422.98	409.25	408.49	15.55	13.73	0.76	0.91	C, W	GV
501B	w	2/28/85	O-91/O-91	192.7	263.5	422.2 *	1.45	423.65	410.77	410.01	14.65	12.88	0.76	1.22	C, W	GV
501C	w	2/28/85	O-91/O-91	192.2	262.7	422.2 *	1.73	423.93	418.09	417.33	7.51	5.84	0.76	1.22	C, W	GV
502	w	5/14/85	F-92/F-92	-722	-375	433.7	0.76	434.5	408.9	408.3	27.45	25.60	0.61	1.83	C, W	GV
503	w	5/15/85	D-91/D-91	49.7	-482.9	429.87	0.82	430.69	407.22	405.39	27.53	23.47	1.83	2.13	C, P, W	GV
504	w	5/15/85	D-91/D-91	51.5	-484.5	429.85	0.75	430.60	419.93	419.32	12.56	10.67	0.61	0.76	W	GV
505	w	5/17/85	O-91/O-91	-319.0	-110.9	433.26	1.15	434.41	414.75	414.14	21.15	19.66	0.61	0.61	C, P, W	GV
506	w	6/6/85	G/O-88	-19.3	30.7	432.18	0.61	432.79	424.48	422.96	10.44	8.31	1.52	0.46	W	PVC
507	w	6/6/85	G/O-88	-21.8	9.8	432.69	0.36	433.05	423.78	422.26	11.09	9.27	1.52	0.46	W	PVC
508	w	6/6/85	G/O-88	-16.9	52.1	430.01	0.61	430.62	423.88	422.36	8.85	6.74	1.52	0.46	D, W	PVC
509	w	6/7/88	O-91/O-91	0.8	48.8	431.87	0.43	432.30	424.44	422.92	10.37	7.86	1.52	0.46	D, W	PVC
510	w	6/7/85	G-90/0-88	13.1	45.5	432.67	0.27	432.94	423.98	422.46	11.12	8.96	1.52	0.46	D, W	PVC
511	w	6/7/85	G/O-91	39.1	34.4	432.40	0.35	432.75	423.94	422.42	9.55	8.81	1.52	0.46	D, W	PVC

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
512	w	6/7/85	G/O-88	22.2	13.5	432.40	0.43	432.83	424.00	422.48	10.55	8.83	1.52	0.46	W	PVC
513	w	6/10/85	G/O-88	6.6	19.4	432.68	0.35	433.03	423.91	422.39	10.98	9.12	1.52	0.46	W	PVC
514	w	6/10/85	G/O-88	-6.2	24.7	433.00	0.11	433.11	424.1e	422.6e	11.07	9.0e	1.52	0.46	W	PVC
515A	w	6/11/85	G/O-88	26.1	74.8	432.99	0.52	433.51	423.91	422.39	11.53	9.60	1.52	0.46	W	PVC
515B	w	6/12/85	D-91/O-88	25.5	73.7	432.96	0.55	433.51	420.71	420.10	13.28	12.80	0.61	0.61	W	PVC
516	w	6/11/85	G-90/O-88	36.9	61.6	433.40	0.53	433.93	423.87	422.35	12.03	10.06	1.52	0.46	W	PVC
517	w	6/12/85	G/O-88	9.1	67.2	431.64	0.82	432.46	424.23	422.71	10.22	8.23	1.52	0.46	W	PVC
518A	w	6/12/85	G/O-88	0.5	-1.1	432.56	0.41	432.97	424.15	422.63	10.70	8.82	1.52	0.46	W	PVC
518G	v	n	O-91/O-91	0.8	-0.4	432.51	0.39	432.90	x	x	x	x	x	x	N	SS
519	w	6/13/85	G/O-88	-9.2	1.8	432.69	0.42	433.11	424.12	422.60	10.74	8.99	1.52	0.46	D, W	PVC
520	w	6/13/85	G/O-88	-10.2	-11.2	432.41	0.37	432.78	423.4e	421.9e	10.60	9.4e	1.52	0.46	D	PVC
521	o[9]	6/13/85	G/O-88	-28.7	-29.5	431.80	0.35	432.14	424.05	422.53	9.66	8.09	1.52	0.46	D, W	PVC
522	o	6/13/85	G/O-88	-12.2	-29.5	432.28	0.50	432.78	424.34	422.82	10.37	8.44	1.52	0.46	D, W	PVC
523	w	6/14/85	G/O-88	-53.6	-115.7	430.21	0.51	430.72	424.47	422.95	8.23	6.25	1.52	0.46	D, W	PVC
524	w	7/8/85	F-92/F-92	-232	208	433.1	0.72	433.8	412.5	411.9	22.69	21.34	0.61	0.46	C, P, W	GV
525	w	7/9/85	F-92/F-92	-154	-1034	427.0	0.83	427.8	415.9e	415.3e	13.00	11.9e	0.61	0.5e	C, P	GV
526	w	7/11/85	G/D-91	128.1	-150.1	426.12	0.74	426.86	414.36	413.75	14.71	12.50	0.61	0.5e	C, W	PVC
527	w	1985	D-91/O-88	47.3	112.8	433.40	0.59	433.99	423.0e	422.4e	12.03	11.0e	0.6e	0.5e	N	PVC
528	w	1985	G/O-91	23.5	107.8	433.70	0.66	434.36	423.0e	422.4e	12.43	11.4e	0.6e	0.5e	N	PVC
529	w	1985	D-91/O-88	34.5	116.0	433.27	0.66	433.93	422.8e	422.2e	12.15	11.1e	0.6e	0.5e	N	PVC
530A	w	6/19/86	G/O-88	10.6	32.6	432.93	0.68	433.61	422.42	420.90	11.62	11.19	1.52	0.46	D, W	PVC
530B	w	6/19/86	G/O-88	10.6	32.0	432.89	0.35	433.24	421.23	421.08	12.17	12.01	0.15	0.46	D, W	PVC
530C	w	6/19/86	G/O-88	10.4	31.2	432.90	0.33	433.23	420.21	420.06	13.76	13.02	0.15	0.46	D, W	PVC
530D	w	7/5/90	F-92/F-92	10.9	34.5	432.77	0.46	433.23	422.40	422.25	11.84	10.83	0.15	0.46	W, C	PVC
530G	v	n	O-91/O-91	10.8	33.6	432.77	0.36	433.13	x	x	x	x	x	x	N	SS

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
531A	w	n	G/O-88	3.6	9.1	432.53	0.71	433.24	423.7e	422.2e	11.50	9.5e	1.5e	0.5e	N	PVC
531G	v	n	O-91/O-91	3.9	10.0	432.38	0.38	432.76	x	x	x	x	x	x	N	SS
532A	w	6/20/86	G/O-88	-3.6	-11.0	432.42	0.45	432.87	424.1e	422.6e	10.80	8.8e	1.52	0.5e	P, W	PVC
532B	w	6/20/86	G/O-88	-3.7	-11.6	432.40	0.37	432.77	421.9e	421.7e	11.47	10.9e	0.2e	0.5e	W	PVC
532C	w	6/20/86	G/O-88	-3.7	-12.3	432.37	0.41	432.78	420.5e	420.3e	12.95	12.3e	0.2e	0.5e	W	PVC
532D	w	6/20/86	G/O-88	-3.6	-9.1	432.44	0.17	432.61	417.2e	417.0e	16.02	15.4e	0.2e	0.5e	W	PVC
532E	w	n	G-90/O-91	-2.3	-7.8	432.38	0.54	432.92	421.81	421.66	11.75	11.11	0.15	0.46	C, W	PVC
532G	v	n	O-91/O-91	-3.2	-10.1	432.34	0.23	432.57	x	x	x	x	x	x	N	SS
533A	o	6/20/86	G/O-88	-8.0	-20.5	432.48	0.53	433.01	424.2e	422.7e	10.78	8.8e	1.5e	0.5e	N	PVC
533B	w	6/20/86	G/O-88	-8.0	-21.3	432.46	0.20	432.66	421.8e	421.6e	11.47	10.9e	0.2e	0.5e	N	PVC
533C	w	6/20/86	G/O-88	-8.0	-21.9	432.43	0.15	432.58	420.3e	420.1e	12.95	12.3e	0.2e	0.5e	N	PVC
533D	w	12/30/88	G/O-91	-7.3	-18.7	432.26	0.61	432.87	423.73	423.12	9.88	9.14	0.61	0.00	C, P, W	PVC
533G	v	n	O-91/O-91	-7.7	-19.7	432.37	0.34	432.71	x	x	x	x	x	x	N	SS
534A	o	n	G/O-88	-11.6	-31.8	432.16	0.60	432.76	426.0e	424.5e	8.81	6.8e	1.5e	0.5e	N	PVC
534B	o	5/28/87	G-90/O-88	-11.6	-31.2	432.23	0.51	432.74	422.92	422.77	10.71	9.82	0.15	0.61	C, P, W	PVC
534G	v	n	O-91/O-91	-11.4	-30.9	432.14	0.38	432.52	x	x	x	x	x	x	N	SS
601G	v	n	O-91/O-91	-14.8	-36.9	431.78	0.31	432.09	x	x	x	x	x	x	N	SS
602A	w	n	G/O-88	260.9	-131.4	425.65	0.37	426.02	n	n	3.90	n	n	n	N	PVC
602B	w	n	G/O-88	260.0	-130.6	425.82	0.39	426.21	n	n	6.52	n	n	n	N	PVC
602C	w	n	G/O-88	259.3	-129.6	425.55	0.51	426.06	n	n	10.37	n	n	n	N	PVC
602D	w	n	G/O-88	258.7	-128.8	425.77	0.23	426.00	n	n	12.86	n	n	n	N	PVC
602E	w	7/11/86	G/O-88	263.1	-132.6	425.46	0.41	425.87	n	n	22.43	n	n	n	C, P	PVC
602F	w	n	x	n	n	n	0.75	n	n	n	4.87	n	n	n	N	PVC
602G	v	n	x	n	n	n	0.55	n	x	x	x	x	x	x	N	SS
603A	w	6/25/86	D-91/O-88	-66.8	-162.7	430.82	0.12	430.94	424.4e	422.9e	8.51	6.5e	1.5e	0.5e	C	PVC

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
603G	v	n	O-91/O-91	-65.9	-163.3	430.76	0.48	431.24	x	x	x	x	x	x	N	SS
604A	o	6/26/86	G/O-88	-41.2	-83.3	430.08	0.21	430.29	425.0e	423.5e	7.32	5.3e	1.5e	0.5e	N	PVC
604B	w	5/29/87	G/O-88	-40.8	-83.8	430.10	0.62	430.72	421.67	421.52	9.69	9.05	0.15	0.67	C, P, W	PVC
604G	v	6/26/86	G/O-91	-41.7	-82.1	429.82	0.38	430.20	x	x	x	x	x	x	N	SS
605	w	n	F-92/O-88	29	97	433.70	0.34	434.04	424.3e	422.8e	11.70	9.7e	1.5e	0.5e	N	PVC
606	w	7/14/86	G/O-91	-71.6	-143.9	430.57	0.60	431.17	406.9e	406.3e	25.41	24.3e	0.6e	0.5e	C, P	PVC
607	w	7/15/86	G/O-91	11.3	-22.7	432.26	0.60	432.86	408.79	408.18	24.68	24.07	0.61	0 .5e	C, P, W	PVC
701	w	87	G/O-88	-43.8	56.2	426.11	0.77	426.88	424.84	423.32	4.48	2.04	1.52	0.61	C, P, W	PVC
702A	w	87	G/O-88	-60.3	40.1	427.04	0.50	427.54	424.43	422.91	5.27	3.11	1.52	0.61	C, P, W	PVC
702B	w	5/11/87	G-90/O-88	-57.9	41.1	426.76	0.71	427.47	411.18	410.57	17.54	16.29	0.61	0.61	C, W	PVC
702C	w	n	G-90/O-91	-60.8	40.7	426.98	0.66	427.64	420.0e	419.8e	8.18	7.6e	0.2e	0.5e	N	PVC
703	w	87	G/O-88	-49.1	19.0	430.68	0.98	431.66	423.8e	423.2e	9.13	7.9e	0.6e	0.6e	C, P	PVC
704	w	5/12/87	D-91/O-88	31.6	101.6	433.69	0.35	434.04	411.99	411.38	23.27	22.05	0.61	0.61	C, P, W	PVC
705	w	5/13/87	G/O-88	10.6	45.0	432.67	0.76	433.43	410.14	409.53	24.66	23.29	0.61	0.61	C, P, W	PVC
706A	w	5/18/87	G/O-88	-37.7	-3.9	432.21	0.85	433.06	424.37	422.85	10.90	8.69	1.52	0.46	C, P, W	PVC
706B	w	n	F-92/O-88	-39	-3	432.18	0.60	432.78	n	n	11.20	n	n	n	N	PVC
707A	w	5/19/87	G/O-88	-54.1	-117.6	430.19	0.81	431.00	423.90	422.38	9.02	7.10	1.52	0.61	C, P, W	PVC
707B	w	5/21/87	G/O-88	-53.0	-119.7	430.24	1.00	431.24	421.42	421.27	10.65	9.82	0.15	0.61	C, W	PVC
707C	w	5/87	G/O-88	-52.0	-117.4	430.30	0.72	431.02	419.38	419.23	12.40	11.64	0.15	0.64	C, W	PVC
707D	w	5/87	G/O-88	-51.8	-115.6	430.33	0.79	431.12	416.18	416.03	15.33	14.94	0.15	0.64	C, W	PVC
708	w	5/19/87	G/O-88	-62.3	-143.8	430.88	1.00	431.88	424.26	422.74	9.61	7.62	1.52	0.61	C, P, W	PVC
709	w	5/20/87	D-91/O-88	-75.6	-183.7	431.19	0.96	432.15	424.59	423.07	9.44	7.56	1.52	0.61	C, P, W	PVC
710	w	5/26/87	O-91/O-91	-68.5	-2.8	431.88	0.79	432.67	424.13	422.61	10.87	8.54	1.52	0.61	C, P, W	PVC
801A	w	88	G-90/O-88	24.5	63.2	432.98	0.68	433.66	423.5e	422.0e	12.07	10.2e	1.5e	0.3e	C, P	PVC
801B	w	88	G-90/O-88	24.0	62.5	432.92	0.81	433.73	418.3e	417.7e	16.48	15.4e	0.6e	0.5e	N	PVC

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
805	o	88	G-90/O-88	-21.1	-29.0	432.14	0.51	432.65	422.87	422.72	10.48	9.78	0.15	0.66	C, P, W	PVC
806	w	88	G-90/O-88	28.2	83.9	433.30	0.87	434.17	419.59	418.98	15.56	14.58	0.61	0.66	C, P, W	PVC
807	w	n	G-90/O-91	27.6	68.8	433.00	0.23	433.23	n	n	10.63	n	n	n	N	GV
808	w	n	G-90/O-91	21.9	70.9	432.64	0.16	432.80	n	n	10.74	n	n	n	N	GV
809	w	n	G-90/O-91	27.2	67.9	433.02	0.19	433.21	n	n	10.79	n	n	n	N	GV
810	t	n	F-92/F-92	51	12	432.0	x	x	x	x	x	x	x	x	P, C	N
811	t	n	F-92/F-92	-48	-58	431.0	x	x	x	x	x	x	x	x	P, C	N
812	w	11/1/88	G-90/O-91	-8.7	-83.9	431.65	0.81	432.46	424.31	422.79	9.77	8.15	1.52	n	C, P, W	PVC
813	w	11/2/88	O-91/O-91	30.7	-103.8	428.29	0.95	429.23	416.43	415.82	13.59	12.80	0.61	n	C, P, W	GV
814	t	n	F-92/F-92	-82	-53	432.0	x	x	x	x	x	x	x	x	P	N
815B	w	5/20/89	G-90/O-91	-109.4	-125.2	431.47	0.50	431.97	424.38	422.86	9.42	7.59	1.52	0.31	C, P, W	PVC
816B	w	5/20/89	O-91/O-91	-10.4	-171.4	428.56	0.69	429.25	424.65	423.13	6.53	4.60	1.52	0.31	C, P, W	PVC
817	t	12/21/88	F-92/F-92	51	-26	432.0	x	x	x	x	x	x	x	x	C, P	N
818	t	12/22/88	F-92/F-92	-15	50	430.0	x	x	x	x	x	x	x	x	C, P	N
819	t	12/23/88	F-92/F-92	40	33	432.0	x	x	x	x	x	x	x	x	C, P	N
820	w	12/28/88	O-91/O-91	49.7	149.5	432.66	0.59	433.25	423.11	421.59	11.69	10.14	1.52	0.00	C, P, W	PVC
910	w	8/28/79	G-90/O-88	-103.1	-120.9	431.45	0.58	432.03	423.59	422.83	9.54	8.44	0.76	n	N	GV
911	w	8/29/79	O-91/O-91	-109.3	-59.1	431.68	0.88	432.56	423.08	422.01	10.67	9.48	1.07	n	N	GV
912	w	8/29/79	G/O-88	14.0	-53.3	431.61	0.90	432.51	423.18	422.11	10.69	9.33	1.07	n	N	GV
913	w	8/30/79	G/O-88	-12.8	-71.8	430.89	0.57	431.46	423.11	422.04	8.61	8.35	1.07	n	N	GV
915	w	8/30/79	G/O-91	160.1	-61.7	430.69	0.44	431.13	423.51	422.60	8.97	7.62	0.91	n	N	GV
916	w	8/30/79	G-90/O-91	100.5	-79.6	427.91	0.71	428.62	422.52	421.45	7.40	6.10	1.07	n	N	GV
918	w	79e	G-90/O-88	-25.2	-29.8	431.84	1.25	433.09	n	n	10.51	n	n	n	N	GV
919	w	79e	G/O-91	154.9	-29.7	431.15	1.00	432.15	n	n	9.43	n	n	n	N	GV
925A	w	n	G/O-88	75.6	183.2	432.37	1.21	433.58	n	n	11.36	n	n	n	N	GV

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
925B	w	11/4/83	G/O-88	75.2	184.6	432.34	1.12	433.46	406.79	406.18	29.20	26.67	0.61	0.53	C, P, W	GV
925C	w	11/17/83	G/O-88	76.7	184.2	432.32	1.08	433.40	423.34	421.82	12.14	10.06	1.52	0.53	C, W	GV
925D	w	n	O-91/O-91	74.8	182.0	432.38	0.56	432.94	n	n	14.47	n	n	n	N	BS
926	w	n	D-91/D-91	245.5	120.5	431.62	0.92	432.54	n	n	10.55	n	n	n	N	GV
927	w	n	G/O-91	225.9	-55.1	430.72	0.94	431.66	n	n	8.99	n	n	n	N	GV
950	t	4/18/89	F-92/F-92	93	97	432.4	x	x	x	x	x	x	x	x	C, P	N
951	t	4/20/89	F-92/F-92	63	102	433.2	x	x	x	x	x	x	x	x	C, P	N
952	t	4/89	F-92/F-92	6	117	433.6	x	x	x	x	x	x	x	x	C, P	N
953	t	4/89	F-92/F-92	-23	128	433.7	x	x	x	x	x	x	x	x	C, P	N
954A	w	5/89	D-91/O-91	43.7	123.1	433.33	0.76	434.09	421.90	421.24	13.75	12.19	0.66	0.82	C, P, W	PVC
954B	w	5/89	D-91/O-91	43.8	122.4	433.40	0.83	434.23	423.81	422.29	12.59	10.42	1.52	0.46	C, W	PVC
955A	w	5/89	O-91/O-91	54.5	169.8	433.29	0.66	433.95	421.76	421.61	12.77	12.19	0.15	0.55	C, W	PVC
955B	w	5/89	D-91/O-91	54.5	170.3	433.36	0.37	433.73	423.55	422.03	12.09	10.18	1.52	0.46	C, W	PVC
956	w	5/20/89	D-91/O-91	-36.8	-157.5	429.99	0.83	430.82	424.72	423.20	8.30	6.10	1.52	0.31	C, P, W	PVC
957A	w	6/14/89	G-90/O-91	-13.2	-219.4	427.98	0.74	428.72	421.40	421.25	7.57	7.32	0.15	0.31	C, W	PVC
957B	w	6/14/89	G-90/G-90	-13.2	-218.3	427.94	0.82	428.76	424.58	423.06	6.09	4.18	1.52	0.31	W	PVC
958	o	6/15/89	D-91/O-91	42.8	-107.3	427.85	0.57	428.42	423.94	422.42	5.55	4.48	1.52	0.31	C, W	PVC
976	o	10/25/89	D-91/O-91	107.4	-171.7	425.20	0.80	426.00	424.11	422.59	3.80	1.89	1.52	0.46	D, W	PVC
977	o	10/25/89	D-91/O-91	109.8	-182.2	424.79	0.53	425.32	424.22	422.70	2.95	1.10	1.52	0.46	W	PVC
978	o	10/26/89	D-91/O-91	104.0	-149.1	425.95	0.49	426.44	424.46	422.94	3.65	1.98	1.52	0.46	D, W	PVC
979	o	10/25/89	D-91/O-91	101.5	-137.0	425.99	0.41	426.40	424.57	423.05	3.81	1.83	1.52	0.31	D, W	PVC
980	o	10/26/89	O-91/O-91	100.4	-130.3	425.98	0.38	426.36	424.23	422.71	4.01	2.13	1.52	0.46	D, W	PVC
981	o	10/27/89	G-90/O-91	96.9	-115.5	426.00	0.29	426.29	423.0e	421.5e	5.25	3.3e	1.5e	0.5e	D	GV
983	w	10/28/89	F-92/O-91	148	-263	424.97	0.27	425.24	424.59	423.07	2.86	0.65	1.52	0.46	W	PVC
984	w	10/28/89	O-91/O-91	45.9	-163.7	430.29	0.14	430.43	424.33	422.81	7.68	6.10	1.52	0.46	W	PVC

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
998	w	n	O-91/O-91	42.7	-123.9	428.41	0.12	428.53	n	n	6.02	n	n	n	N	PVC
999	v	n	O-91/O-91	38.9	-116.4	427.95	0.59	428.54	x	x	x	x	x	x	N	PVC
9001	w	6/23/90	G-90/O-91	52.5	-25.4	432.10	0.54	432.64	423.50	421.98	10.45	9.14	1.52	0.46	W	PVC
9002	w	6/23/90	D-91/O-91	92.8	-272.1	426.22	0.07	426.29	423.85	422.94	3.03	2.44	0.91	0.15	W	GV
9003	w	6/23/90	D-91/O-91	96.7	-266.0	424.54	1.11	425.65	423.98	423.67	2.11	1.67	0.31	0.05	W	PVC
9004	w	6/23/90	D-91/O-91	85.7	-284.9	428.95	1.00	429.95	424.77	423.25	6.65	5.18	1.52	0.00	W	GV
9005	w	6/23/90	D-91/O-91	62.3	-204.8	427.10	0.77	427.87	424.06	423.15	4.97	3.81	0.91	0.15	W	GV
9006	w	6/23/90	D-91/O-91	51.3	-203.0	429.29	0.70	429.99	423.89	422.98	7.38	6.10	0.91	0.15	W	GV
9007	w	6/24/90	O-91/O-91	75.4	-207.4	424.75	0.71	425.46	424.02	423.71	1.76	1.44	0.31	0.46	W	PVC
9008	w	6/24/90	D-91/O-91	141.1	-263.1	425.19	0.35	425.54	424.07	423.76	1.76	1.47	0.31	0.05	W	PVC
9009	w	6/24/90	D-91/O-91	127.3	-261.8	424.46	0.14	424.60	423.87	423.56	0.86	0.73	0.31	0.05	W	PVC
9010	w	6/24/90	D-91/O-91	152.3	-263.3	424.50	0.95	425.45	424.01	423.70	1.18	1.44	0.31	0.04	W	PVC
9011	w	6/24/90	D-91/O-91	112.4	-275.0	423.92	0.80	424.72	423.74	423.47	1.30	0.98	0.27	0.05	W	PVC
9012	w	6/24/90	D-91/O-91	73.0	-230.0	425.04	0.29	425.33	424.06	423.75	1.50	1.27	0.31	0.05	W	PVC
9013	t	6/27/90	O-91/F-90	-10.1	-26.6	432.37	x	x	x	x	x	x	x	x	D, C	N
9014	o	6/27/90	O-91/O-91	-11.7	-36.3	431.80	0.47	432.27	n	n	10.66	n	n	n	D	PVC
9015	o	6/27/90	G-90/O-91	-22.4	-50.3	430.01	0.94	430.95	421.73	421.58	n	9.22	0.15	0.46	C, W	PVC
9016	o	6/28/90	G-90/O-91	-31.2	-61.3	429.60	0.74	430.34	422.64	422.49	8.11	7.70	0.15	0.46	C, W	PVC
9017	o	6/29/90	G-90/O-91	-35.9	-71.3	429.63	0.47	430.10	422.33	422.18	8.34	7.77	0.15	0.46	C, W	PVC
9018	o	6/29/90	G-90/O-91	-40.9	-81.6	429.94	0.77	430.71	422.63	422.48	n	8.08	0.15	0.46	C, W	PVC
9019	w	7/2/90	O-91/O-91	-73.4	64.8	430.74	0.60	431.34	424.16	422.64	9.14	7.18	1.52	0.46	W	PVC
9020	w	7/2/90	O-91/O-91	88.1	-22.9	431.37	0.64	432.01	424.36	422.84	9.42	7.65	1.52	0.46	W	PVC
9021	w	7/2/90	D-91/O-91	125.3	-333.5	429.61	0.60	430.21	423.81	423.66	7.54	6.40	0.15	0.46	W	PVC
9025	w	90	O-91/O-91	51.2	29.6	432.14	0.58	432.72	422.40	422.25	10.87	10.32	0.15	0.46	W	PVC
9026	w	90	O-91/O-91	31.0	37.9	432.38	0.55	432.93	422.26	422.11	11.22	10.67	0.15	0.46	W	PVC

Table 1.--Location, altitude, and well construction data for observation wells, test holes, bench marks, and staff gages--Continued

Site	Research use code[1]	Date drilled (mm/dd/yy)[2]	Survey source code[3]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Height of measuring point above land surface (m)	Measuring point altitude (m)	Top of screen altitude (m)	Bottom of screen altitude (m)	Measured well depth (m)	Depth below measuring point top of screen (m)	Screen length (m)	Casing length below screen (m)	Available log code[4]	Casing material code[5]
9027	w	8/20/90	G-90/O-91	-28.9	57.2	427.58	0.60	428.18	421.93	421.78	6.21	6.25	0.15	0.46	D, W	PVC
9101G	v	5/30/90	O-91/O-91	-5.5	-14.8	432.17	x	x	x	x	x	x	x	x	C	SS
9102	t	91	O-91/O-91	-1.0	-5.4	432.17	x	x	x	x	x	x	x	x	N	N
9103G	v	91	F-92/O-91	-10	-25	432.37	x	x	x	x	x	x	x	x	N	SS
9104	t	10/18/91	F-91/F-91	125	-130	426.43	x	x	x	x	x	x	x	x	N	N
9105	t	10/18/91	F-91/F-91	119	-131	426.1	x	x	x	x	x	x	x	x	N	N
9106	t	10/18/91	F-91/F-91	113	-132	425.9	x	x	x	x	x	x	x	x	N	N
9107	t	10/18/91	F-91/F-91	107	-133	425.9	x	x	x	x	x	x	x	x	N	N
9108	t	10/18/91	F-91/F-91	101	-134	426.0	x	x	x	x	x	x	x	x	N	N
9109	t	10/18/91	F-91/F-91	95	-135	426.2	x	x	x	x	x	x	x	x	N	N

[1] Research use code
b, bench mark
s, staff gage
o, observation well used for oil- and water-level measurements
w, observation well used for water-level measurement
l, lake level
v, 0.25 inch or 0.125 inch stainless-steel tubing used for vapor measurements in unsaturated zone
t, test hole

[2] Dates are presented as month/day/year, month/year, or year

[3] Survey source code
(horizontal/vertical) survey measurements
number refers to year surveyed
D, Minnesota District
G, Geologic Division
O, Okerman Surveying
F, Minnesota District, computed from existing sites

[4] Log available code
D, drillers
W, well construction
N, none
P, particle-size distribution
C, core log

[5] Casing material code
GV, galvanized steel
SS, stainless steel
PVC, polyvinyl chloride
BS, black steel
N, none

[6] Wetland gage measuring point is located at a nail at 3.12 feet on gage

[7] Lake gage measuring point is located at a nail at 1.80 feet on gage

[8] Lake level near 501 well cluster, averaged from several readings over different years

[9] Well 521--oil was not present in well until 1992, water levels listed in table 3

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features

[m, meters; grid line, line between grid points; X and Y coordinates, project grid system; wetld., wetland]

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	Bench Mark 1	0.0	0.0	432.61	G	grid point E-3	-28.9	17.5	432.00
G	1979 bench mark	-18.4	-44.4	431.56	G	grid point F-3	-9.0	17.1	432.89
G	grid point A-6	-109.3	81.7	430.72	G	grid point G-3	11.0	17.7	432.56
G	grid point B-6	-88.0	81.9	431.61	G	grid point H-3	31.0	17.8	432.08
G	grid point C-6	-67.7	76.6	430.98	G	grid point I-3	50.9	17.5	432.03
G	grid point D-6	-46.7	76.6	428.87	G	grid point J-3	70.9	17.5	431.51
G	grid point E-6	-28.2	84.3	429.59	G	grid point K-3	90.8	17.3	432.12
G	grid point F-6	-9.8	83.7	430.94	G	grid point L-3	110.6	17.5	433.19
G	grid point G-6	10.4	81.5	431.27	G	grid point M-3	130.7	17.5	433.24
G	grid point H-6	30.5	75.9	433.14	G	grid point A-2	-108.7	-2.2	431.87
G	grid point I-6	51.2	77.4	433.57	G	grid point B-2	-88.7	-2.5	431.15
G	grid point J-6	70.4	77.2	433.21	G	grid point C-2	-68.9	-2.6	431.87
G	grid point K-6	92.0	78.7	432.06	G	grid point D-2	-49.0	-2.7	432.01
G	grid point L-6	108.7	76.5	431.16	G	grid point E-2	-29.1	-2.5	432.41
G	grid point M-6	129.2	73.9	430.32	G	grid point F-2	-9.1	-2.8	432.55
G	grid point A-5	-108.2	57.2	427.38	G	grid point G-2	10.8	-2.5	432.35
G	grid point B-5	-88.4	57.5	429.87	G	grid point H-2	30.8	-2.6	432.40
G	grid point C-5	-68.5	56.9	428.90	G	grid point I-2	50.7	-2.8	432.02
G	grid point D-5	-48.7	56.8	426.43	G	grid point J-2	70.7	-2.9	431.83
G	grid point E-5	-28.9	57.5	427.60	G	grid point K-2	90.6	-3.0	432.12
G	grid point F-5	-9.1	57.1	430.49	G	grid point L-2	110.5	-3.1	432.71
G	grid point G-5	10.7	58.0	432.34	G	grid point M-2	130.5	-3.2	433.09
G	grid point H-5	27.6	59.8	433.01	G	grid point A-1	-108.5	-22.8	432.15
G	grid point I-5	51.1	58.3	433.59	G	grid point B-1	-88.6	-22.9	431.68
G	grid point J-5	70.3	59.7	431.93	G	grid point C-1	-68.7	-23.0	431.76
G	grid point K-5	91.6	59.3	429.82	G	grid point D-1	-48.8	-22.9	431.69
G	grid point L-5	109.4	57.4	429.66	G	grid point E-1	-29.0	-22.8	431.81
G	grid point M-5	129.3	54.0	430.24	G	grid point F-1	-9.1	-22.8	432.32
G	grid point A-4	-108.2	37.4	430.12	G	grid point G-1	10.9	-22.6	432.26
G	grid point B-4	-88.8	37.1	430.60	G	grid point H-1	30.9	-22.6	432.21
G	grid point C-4	-68.6	36.9	427.83	G	grid point G-1	50.8	-22.6	432.05
G	grid point D-4	-48.7	36.9	427.48	G	grid point J-1	70.7	-22.7	431.82
G	grid point E-4	-28.9	37.4	430.04	G	grid point K-1	90.7	-22.7	431.37
G	grid point F-5	-9.0	37.2	432.53	G	grid point L-1	110.6	-22.7	431.58
G	grid point G-4	11.0	37.9	432.78	G	grid point M-1	130.5	-22.8	432.33
G	grid point H-4	31.0	37.9	432.60	G	grid point A 0	-109.2	-44.4	431.99
G	grid point I-4	50.9	37.4	432.87	G	grid point B 0	-89.3	-44.4	431.93
G	grid point J-4	70.8	37.5	431.31	G	grid point C 0	-69.2	-44.4	431.79
G	grid point K-4	91.3	36.2	431.04	G	grid point D 0	-49.3	-44.4	431.76
G	grid point L-4	110.0	37.5	432.08	G	grid point E 0	-29.3	-44.4	431.59

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	grid point M-4	129.6	36.7	432.08	G	grid point F 0	-9.2	-44.5	431.50
G	grid point A-3	-108.6	17.3	431.12	G	grid point G 0	10.7	-44.4	431.40
G	grid point B-3	-88.4	17.0	430.82	G	grid point H 0	30.8	-44.4	431.33
G	grid point C-3	-68.7	17.0	430.80	G	grid point I 0	50.7	-44.5	431.19
G	grid point D-3	-48.6	17.1	430.83	G	grid point J 0	70.7	-44.5	431.09
G	grid point K 0	90.7	-44.5	430.95	G	grid point D 4	-50.3	-124.2	430.35
G	grid point L 0	110.7	-44.5	430.89	G	grid point E 4	-30.5	-124.2	429.66
G	grid point M 0	130.0	-44.5	430.75	G	grid point F 4	-10.5	-124.0	429.07
G	grid point A 1	-108.9	-64.3	431.53	G	grid point G 4	9.6	-124.0	429.07
G	grid point B 1	-89.1	-64.1	431.51	G	grid point H 4	29.5	-123.9	428.00
G	grid point C 1	-69.1	-64.3	430.72	G	grid point I 4	49.5	-124.1	428.00
G	grid point D 1	-49.2	-64.3	429.67	G	grid point J 4	69.5	-124.1	428.21
G	grid point E 1	-29.1	-64.3	429.68	G	grid point K 4	89.5	-124.2	426.36
G	grid point F 1	-9.2	-64.3	430.49	G	grid point L 4	109.4	-124.2	425.79
G	grid point G 1	10.8	-64.3	430.56	G	grid point M 4	129.5	-124.1	426.86
G	grid point H 1	30.7	-64.2	431.40	G	grid point A 5	-112.0	-143.9	430.66
G	grid point I 1	50.9	-64.3	431.50	G	grid point B 5	-92.0	-143.9	429.96
G	grid point J 1	70.9	-64.2	429.01	G	grid point C 5	-71.9	-144.1	430.61
G	grid point K 1	91.0	-64.3	429.28	G	grid point D 5	-52.0	-144.1	430.98
G	grid point L 1	110.9	-64.4	429.67	G	grid point E 5	-32.1	-144.1	430.01
G	grid point M 1	131.2	-65.0	429.69	G	grid point F 5	-12.1	-143.8	429.39
G	grid point A 2	-108.9	-84.1	431.65	G	grid point G 5	7.9	-143.9	428.34
G	grid point B 2	-88.9	-84.1	430.49	G	grid point H 5	27.9	-143.8	428.90
G	grid point C 2	-69.0	-84.3	429.65	G	grid point I 5	48.1	-144.0	429.45
G	grid point D 2	-48.9	-84.3	429.61	G	grid point J 5	68.0	-144.0	428.50
G	grid point E 2	-29.0	-84.3	431.07	G	grid point K 5	88.0	-144.2	426.78
G	grid point F 2	-8.9	-84.2	431.54	G	grid point L 5	108.0	-144.0	425.82
G	grid point G 2	10.6	-84.3	431.19	G	grid point M 5	128.0	-144.0	426.33
G	grid point H 2	30.4	-84.2	428.94	G	grid point A 6	-113.5	-163.7	430.59
G	grid point I 2	50.3	-84.5	427.42	G	grid point B 6	-93.5	-163.8	430.07
G	grid point J 2	70.6	-84.5	427.29	G	grid point C 6	-70.5	-165.5	430.52
G	grid point K 2	90.6	-84.9	428.83	G	grid point D 6	-53.7	-164.0	431.08
G	grid point L 2	110.5	-85.1	428.44	G	grid point E 6	-33.7	-164.1	429.64
G	grid point M 2	130.4	-85.0	430.88	G	grid point F 6	-13.8	-163.7	429.21
G	grid point A 3	-108.9	-104.2	431.19	G	grid point G 6	6.2	-163.9	428.80
G	grid point B 3	-89.4	-104.1	430.48	G	grid point H 6	26.3	-163.7	429.58
G	grid point C 3	-69.0	-104.3	429.75	G	grid point I 6	46.2	-163.9	430.28
G	grid point D 3	-49.0	-104.1	430.34	G	grid point J 6	66.2	-163.9	428.36
G	grid point E 3	-29.1	-104.2	431.46	G	grid point K 6	86.1	-164.0	426.24
G	grid point F 3	-9.0	-104.2	431.83	G	grid point L 6	105.4	-164.7	425.43

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	grid point G 3	10.9	-104.2	430.80	G	grid point M 6	125.2	-164.6	425.46
G	grid point H 3	30.7	-104.0	428.22	G	grid point A 7	-115.2	-183.6	430.16
G	grid point I 3	50.7	-104.1	427.96	G	grid point B 7	-95.1	-183.7	430.70
G	grid point J 3	70.8	-104.1	428.07	G	grid point C 7	-75.1	-184.0	431.18
G	grid point K 3	90.8	-104.3	426.74	G	grid point D 7	-55.2	-183.9	431.15
G	grid point L 3	110.7	-104.2	426.52	G	grid point E 7	-35.3	-184.1	428.86
G	grid point M 3	130.7	-104.0	428.56	G	grid point F 7	-15.3	-185.9	427.94
G	grid point A 4	-110.5	-123.9	431.58	G	grid point G 7	4.6	-183.8	428.54
G	grid point B 4	-90.6	-124.0	430.85	G	grid point H 7	24.6	-183.7	429.93
G	grid point C 4	-70.4	-124.2	430.27	G	grid point I 7	44.6	-183.8	430.31
G	grid point J 7	64.3	-183.7	427.82	G	grid line C	-72.9	-159.5	430.69
G	grid point K 7	84.6	-183.8	424.08	G	grid line C	-72.5	-151.7	430.83
G	grid point L 7	104.6	-183.9	424.57	G	grid line C	-72.2	-144.2	430.71
G	grid point M 7	124.5	-183.8	424.87	G	grid line C	-71.8	-134.7	430.63
G	grid point A 8	-116.9	-203.2	434.07	G	grid line C	-71.5	-124.2	430.35
G	grid point B 8	-96.8	-203.5	432.78	G	grid line C	-71.6	-118.7	430.24
G	grid point C 8	-76.7	-203.9	432.48	G	grid line C	-71.2	-111.5	430.07
G	grid point D 8	-56.8	-203.7	431.74	G	grid line C	-70.5	-104.3	429.90
G	grid point E 8	-37.0	-204.0	429.33	G	grid line C	-70.5	-97.2	429.76
G	grid point F 8	-17.1	-203.5	427.76	G	grid line C	-70.5	-89.6	429.82
G	grid point G 8	2.9	-203.7	428.08	G	grid line C	-70.1	-84.2	429.75
G	grid point H 8	22.9	-203.6	429.95	G	grid line C	-69.9	-72.8	430.17
G	grid point I 8	42.9	-203.7	430.08	G	grid line C	-69.1	-64.0	430.90
G	grid point A 9	-118.3	-223.1	433.56	G	grid line C	-68.8	-54.1	431.64
G	grid point B 9	-98.3	-223.5	433.02	G	grid line C	-68.8	-48.7	432.16
G	grid point C 9	-78.2	-223.9	432.86	G	grid line C	-68.9	-47.8	432.01
G	grid point D 9	-58.3	-223.7	432.29	G	grid line C	-69.0	-47.4	431.85
G	grid point E 9	-38.4	-224.0	430.57	G	grid line C	-68.7	-44.4	431.75
G	grid point F 9	-18.5	-223.4	428.64	G	grid line E	-40.5	-263.6	432.60
G	grid point A 10	-120.1	-242.7	433.45	G	grid line E	-41.4	-259.6	432.65
G	grid point B 10	-100.0	-243.4	433.09	G	grid line E	-41.2	-255.2	432.99
G	grid point C 10	-80.0	-243.8	432.68	G	grid line E	-41.4	-250.5	432.97
G	grid point D 10	-59.9	-243.7	432.64	G	grid line E	-41.6	-244.2	432.64
G	grid point E 10	-39.9	-243.8	432.46	G	grid line E	-40.2	-237.3	432.07
G	grid point A 11	-120.1	-263.6	433.45	G	grid line E	-39.1	-230.2	431.44
G	grid point B 11	-100.5	-263.6	433.03	G	grid line E	-39.7	-223.9	430.82
G	grid point C 11	-80.5	-263.1	432.71	G	grid line E	-38.3	-218.6	430.55
G	grid point D 11	-61.2	-263.6	432.99	G	grid line E	-37.9	-212.8	430.21
G	grid point E 11	-41.1	-263.6	432.35	G	grid line E	-37.0	-203.9	429.48
G	grid line C	-82.8	-263.3	432.90	G	grid line E	-35.8	-191.3	429.15

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	grid line C	-82.2	-257.2	433.24	G	grid line E	-35.3	-184.0	429.06
G	grid line C	-81.6	-254.3	433.29	G	grid line E	-34.8	-174.8	429.37
G	grid line C	-81.8	-251.6	433.26	G	grid line E	-33.7	-164.4	429.79
G	grid line C	-81.7	-248.7	433.04	G	grid line E	-32.8	-152.9	430.24
G	grid line C	-81.3	-243.7	432.93	G	grid line E	-32.3	-143.4	430.25
G	grid line C	-81.2	-238.6	432.85	G	grid line E	-30.9	-132.0	430.08
G	grid line C	-80.7	-232.9	432.78	G	grid line E	-30.3	-124.5	429.91
G	grid line C	-79.8	-223.9	433.03	G	grid line E	-29.6	-118.0	430.11
G	grid line C	-78.3	-212.9	433.00	G	grid line E	-29.0	-110.8	431.05
G	grid line C	-76.6	-204.2	432.66	G	grid line E	-28.6	-104.8	431.64
G	grid line C	-75.4	-197.3	432.21	G	grid line E	-28.2	-95.5	431.83
G	grid line C	-74.4	-188.7	431.67	G	grid line E	-28.7	-89.6	431.58
G	grid line C	-73.7	-181.7	431.27	G	grid line E	-28.9	-84.3	431.15
G	grid line C	-73.3	-172.9	430.96	G	grid line E	-29.1	-78.6	430.58
G	grid line C	-73.2	-164.5	430.80	G	grid line E	-29.1	-70.8	430.14
G	grid line E	-29.0	-64.4	429.75	G	road, grid line 5	-141.5	-142.3	432.55
G	grid line E	-29.1	-56.8	429.90	G	road, grid line 5	-136.8	-142.6	432.18
G	grid line E	-28.8	-51.0	430.39	G	road, grid line 5	-131.9	-142.7	431.88
G	grid line E	-28.3	-47.7	431.07	G	road, grid line 5	-127.4	-142.7	431.71
G	grid line E	-28.1	-46.0	435.59	G	road, grid line 5	-122.5	-143.0	431.50
G	grid line E	-27.8	-44.4	431.61	G	road, grid line 5	-116.8	-143.0	431.26
G	road, grid line 5	-331.8	-134.9	432.93	G	road, grid line 5	-112.0	-143.3	430.91
G	road, grid line 5	-328.8	-134.9	433.09	G	road, grid line 5	-106.9	-143.1	430.62
G	road, grid line 5	-324.6	-135.2	433.27	G	road, grid line 5	-102.0	-143.2	430.31
G	road, grid line 5	-320.7	-135.5	433.32	G	road, grid line 5	-97.2	-143.0	430.14
G	road, grid line 5	-315.9	-135.8	433.16	G	road, grid line 5	-91.9	-143.1	430.06
G	road, grid line 5	-310.0	-136.2	433.06	G	road, grid line 5	-85.7	-143.7	430.04
G	road, grid line 5	-305.3	-136.5	432.96	G	road, grid line 5	-81.1	-143.8	430.21
G	road, grid line 5	-300.2	-136.9	432.78	G	road, grid line 5	-76.8	-144.1	430.45
G	road, grid line 5	-295.5	-137.2	432.64	G	road, grid line 5	-72.3	-144.2	430.65
G	road, grid line 5	-291.7	-137.4	432.61	G	road, grid line 5	-66.8	-144.1	430.81
G	road, grid line 5	-285.9	-137.8	432.69	G	road, grid line 5	-61.8	-144.4	430.90
G	road, grid line 5	-280.6	-137.9	432.81	G	road, grid line 5	-57.0	-144.6	430.92
G	road, grid line 5	-276.0	-138.4	432.99	G	road, grid line 5	-52.1	-144.3	430.98
G	road, grid line 5	-271.8	-138.4	433.18	G	road, grid line 5	-46.3	-144.0	430.85
G	road, grid line 5	-267.1	-138.4	433.44	G	road, grid line 5	-41.7	-143.9	430.68
G	road, grid line 5	-261.6	-138.5	433.77	G	road, grid line 5	-37.0	-143.8	430.48
G	road, grid line 5	-256.6	-138.5	433.98	G	road, grid line 5	-32.0	-143.5	430.24
G	road, grid line 5	-251.9	-138.8	434.05	G	road, grid line 5	-26.6	-144.1	429.94
G	road, grid line 5	-247.6	-138.7	434.07	G	road, grid line 5	-21.7	-144.1	429.78

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	road, grid line 5	-241.9	-138.8	434.04	G	road, grid line 5	-16.8	-144.1	429.64
G	road, grid line 5	-236.5	-138.8	434.07	G	road, grid line 5	-12.6	-143.7	429.51
G	road, grid line 5	-231.9	-139.0	434.02	G	road, grid line 5	-7.1	-143.5	429.23
G	road, grid line 5	-227.3	-139.0	434.07	G	road, grid line 5	-2.1	-143.6	428.87
G	road, grid line 5	-221.9	-139.0	434.08	G	road, grid line 5	2.7	-143.8	428.62
G	road, grid line 5	-217.0	-139.4	434.05	G	road, grid line 5	8.0	-143.9	428.50
G	road, grid line 5	-211.9	-139.4	434.06	G	road, grid line 5	13.4	-143.8	428.52
G	road, grid line 5	-207.5	-139.4	434.06	G	road, grid line 5	18.7	-143.7	428.64
G	road, grid line 5	-202.3	-139.7	434.08	G	road, grid line 5	23.1	-143.8	428.72
G	road, grid line 5	-197.3	-139.9	434.01	G	road, grid line 5	28.0	-143.8	428.97
G	road, grid line 5	-191.9	-140.0	433.99	G	road, grid line 5	32.1	-143.9	429.10
G	road, grid line 5	-186.7	-140.4	433.94	G	road, grid line 5	37.7	-144.0	429.39
G	road, grid line 5	-181.3	-140.7	433.80	G	road, grid line 5	43.1	-144.0	429.55
G	road, grid line 5	-176.5	-140.9	433.54	G	road, grid line 5	48.0	-144.0	429.49
G	road, grid line 5	-171.8	-141.0	433.40	G	road, grid line 5	54.0	-144.0	429.37
G	road, grid line 5	-166.2	-141.4	433.38	G	road, grid line 5	58.7	-143.9	429.09
G	road, grid line 5	-161.0	-141.8	433.19	G	road, grid line 5	63.3	-144.1	428.91
G	road, grid line 5	-156.3	-142.0	433.06	G	road, grid line 5	68.0	-144.0	428.67
G	road, grid line 5	-151.9	-142.5	432.92	G	road, grid line 5	74.4	-144.2	428.15
G	road, grid line 5	-146.5	-142.3	432.75	G	road, grid line 5	79.0	-144.2	427.80
G	road, grid line 5	83.4	-144.4	427.35	G	grid line C	-70.1	37.8	428.29
G	road, grid line 5	88.0	-144.2	426.94	G	grid line C	-70.7	39.8	428.27
G	road, grid line 5	93.5	-144.6	426.59	G	grid line C	-71.0	42.6	428.41
G	road, grid line 5	98.6	-144.6	426.26	G	grid line C	-71.2	46.3	428.53
G	road, grid line 5	103.7	-144.5	426.06	G	grid line C	-71.1	49.9	428.92
G	road, grid line 5	108.1	-144.2	426.00	G	grid line C	-70.4	53.0	429.05
G	road, grid line 5	112.6	-144.3	425.93	G	grid line C	-70.4	54.3	429.30
G	road, grid line 5	117.8	-144.2	426.02	G	grid line C	-70.1	55.3	429.31
G	road, grid line 5	122.8	-144.2	426.27	G	grid line C	-70.1	56.8	429.45
G	road, grid line 5	128.1	-144.0	426.44	G	grid line C	-69.3	61.1	429.76
G	grid line C	-67.1	-45.6	431.84	G	grid line C	-69.2	66.5	430.46
G	grid line C	-67.2	-44.0	431.85	G	grid line C	-69.5	69.3	430.87
G	grid line C	-67.3	-42.1	431.84	G	grid line C	-69.6	72.9	431.24
G	grid line C	-67.2	-40.8	431.92	G	grid line C	-69.8	75.1	431.38
G	grid line C	-67.2	-40.0	432.12	G	grid line D	-47.8	-45.3	431.80
G	grid line C	-67.3	-39.0	432.09	G	grid line D	-48.1	-40.2	432.03
G	grid line C	-67.2	-36.8	432.05	G	grid line D	-48.0	-39.6	432.12
G	grid line C	-67.0	-34.7	432.10	G	grid line D	-48.1	-38.9	432.08
G	grid line C	-67.0	-33.6	432.05	G	grid line D	-47.9	-36.8	432.13
G	grid line C	-66.9	-30.2	431.94	G	grid line D	-47.7	-33.0	432.04

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	grid line C	-67.3	-26.6	431.97	G	grid line D	-48.0	-27.9	432.20
G	grid line C	-67.7	-24.2	432.07	G	grid line D	-48.0	-26.5	432.11
G	grid line C	-68.0	-20.9	432.05	G	grid line D	-48.1	-23.7	432.08
G	grid line C	-67.9	-14.9	432.03	G	grid line D	-48.2	-20.7	432.08
G	grid line C	-67.8	-11.9	432.10	G	grid line D	-48.2	-19.5	432.23
G	grid line C	-67.8	-10.9	432.18	G	grid line D	-48.2	-18.6	432.23
G	grid line C	-67.6	-10.2	432.03	G	grid line D	-48.1	-17.8	432.04
G	grid line C	-67.5	-9.6	431.82	G	grid line D	-48.1	-17.2	431.93
G	grid line C	-67.3	-7.5	431.86	G	grid line D	-48.0	-15.4	431.97
G	grid line C	-67.4	-6.9	432.02	G	grid line D	-48.0	-14.8	432.15
G	grid line C	-68.5	-4.1	432.03	G	grid line D	-47.9	-14.3	432.30
G	grid line C	-67.6	-2.3	432.07	G	grid line D	-48.0	-13.0	432.26
G	grid line C	-68.4	2.4	432.05	G	grid line D	-48.0	-8.3	432.25
G	grid line C	-68.6	5.5	431.93	G	grid line D	-48.0	-5.1	432.26
G	grid line C	-69.0	9.3	431.69	G	grid line D	-48.8	-3.7	432.15
G	grid line C	-68.9	12.9	431.39	G	grid line D	-48.3	-1.5	432.16
G	grid line C	-68.8	15.8	431.06	G	grid line D	-48.5	2.2	432.19
G	grid line C	-69.7	19.3	430.48	G	grid line D	-49.0	5.8	432.08
G	grid line C	-70.0	22.0	430.02	G	grid line D	-49.1	10.1	431.65
G	grid line C	-69.9	26.1	429.32	G	grid line D	-48.9	13.8	431.37
G	grid line C	-70.1	28.4	429.03	G	grid line D	-48.9	16.2	431.05
G	grid line C	-70.2	31.2	428.73	G	grid line D	-48.9	18.3	430.84
G	grid line C	-70.1	33.5	428.37	G	grid line D	-48.7	20.2	430.43
G	grid line C	-69.9	35.6	428.19	G	grid line D	-48.3	23.6	429.99
G	grid line C	-70.1	36.7	428.20	G	grid line D	-48.0	26.7	429.43
G	grid line D	-48.1	30.7	428.73	G	radar line, wetld.	92.9	-102.3	426.64
G	grid line D	-48.3	33.6	428.31	G	radar line, wetlld.	90.9	-101.4	426.77
G	grid line D	-48.5	35.4	427.93	G	radar line, wetlld.	89.7	-96.5	426.84
G	grid line D	-49.4	36.9	427.56	G	radar line, wetlld.	88.6	-91.7	426.87
G	grid line D	-49.6	40.7	426.92	G	radar line, wetlld.	87.5	-86.8	426.91
G	grid line D	-49.6	44.6	426.55	G	radar line, wetlld.	86.6	-81.9	427.31
G	grid line D	-49.7	47.9	426.28	G	wetland edge	120.3	-200.6	424.13
G	grid line D	-49.5	52.1	426.34	G	wetland edge	104.0	-195.3	424.13
G	grid line D	-49.5	55.9	426.60	G	wetland edge	91.3	-190.4	424.23
G	grid line D	-49.4	58.9	426.95	G	wetland edge	83.9	-191.8	424.27
G	grid line D	-49.0	64.3	427.66	G	wetland edge	78.3	-187.8	425.20
G	grid line D	-48.9	67.9	428.04	G	wetland edge	77.7	-218.6	424.13
G	grid line D	-48.1	72.4	428.66	G	wetland edge	80.6	-244.9	424.12
G	grid line D	-47.5	75.3	428.99	G	wetland edge	96.0	-259.1	424.09
G	radar line, main	-15.7	-44.5	431.54	G	wetland edge	119.6	-270.6	424.21

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	radar line, main	-12.9	-35.9	431.85	G	land surface	67.0	-187.5	427.11
G	radar line, main	-11.8	-27.8	432.36	G	land surface	58.8	-185.3	428.84
G	radar line, main	-8.0	-20.5	432.42	G	land surface	47.2	-188.2	429.97
G	radar line, main	-3.6	-11.0	432.33	G	land surface	47.4	-197.8	429.98
G	radar line, main	1.1	0.4	432.52	G	land surface	48.6	-204.4	429.70
G	radar line, main	3.6	9.1	432.47	G	land surface	40.9	-205.5	430.26
G	radar line, main	7.1	20.9	432.69	G	land surface	35.0	-210.8	430.83
G	radar line, main	10.6	32.6	432.84	G	land surface	36.7	-218.2	431.08
G	radar line, main	14.3	46.9	432.59	G	land surface	45.6	-217.9	430.45
G	radar line, wetlld.	123.4	-254.3	424.27	G	land surface	53.1	-217.5	429.00
G	radar line, wetlld.	112.2	-197.7	423.84	G	land surface	59.6	-217.0	427.60
G	radar line, wetlld.	111.3	-194.0	424.30	G	land surface	94.6	-270.0	425.56
G	radar line, wetlld.	110.3	-189.1	424.48	G	land surface	91.0	-297.5	429.82
G	radar line, wetlld.	109.2	-184.2	424.70	G	road	-9.8	6.5	432.90
G	radar line, wetlld.	108.3	-179.4	424.84	G	road	-20.9	-4.7	432.79
G	radar line, wetlld.	107.2	-174.5	425.03	G	road	-27.6	-10.2	432.53
G	radar line, wetlld.	106.3	-169.6	425.18	G	road	-33.5	-13.9	432.31
G	radar line, wetlld.	105.4	-164.7	425.43	G	road	-39.1	-16.1	432.28
G	radar line, wetlld.	104.0	-159.9	425.63	G	road	-44.9	-16.8	432.12
G	radar line, wetlld.	102.8	-155.0	425.78	G	road	-51.0	-15.7	431.99
G	radar line, wetlld.	101.7	-150.2	425.95	G	road	-60.7	-12.6	431.78
G	radar line, wetlld.	100.6	-145.3	425.95	G	road	-67.0	-9.2	431.92
G	radar line, wetlld.	99.5	-140.4	426.02	G	road	-73.6	-3.7	431.95
G	radar line, wetlld.	98.5	-135.5	426.00	G	road	-78.5	2.2	431.69
G	radar line, wetlld.	97.4	-130.6	426.00	G	road	-83.7	11.6	431.32
G	radar line, wetlld.	96.3	-125.8	426.00	G	road	-85.9	17.0	430.92
G	radar line, wetlld.	95.2	-120.9	425.95	G	road	-87.6	23.0	430.59
G	radar line, wetlld.	94.1	-116.0	426.08	G	road	-88.8	28.9	430.66
G	radar line, wetlld.	93.2	-111.1	426.35	G	road	-88.2	34.5	430.52
G	radar line, wetlld.	91.9	-106.3	426.57	G	road	-85.4	45.6	430.00
G	road	-81.3	61.3	430.73	G	treeline	51.5	39.4	432.84
G	road	-81.2	68.9	431.11	G	treeline	32.5	46.7	432.92
G	road	-82.7	92.8	432.41	G	treeline	16.3	52.3	432.67
G	road	-84.0	100.4	432.58	G	treeline	-7.5	62.3	430.41
G	road	-86.0	105.3	432.72	G	treeline	-26.7	63.6	428.02
G	road	-89.9	110.3	433.08	G	treeline	-46.0	66.7	427.37
G	road	-108.3	128.0	433.91	G	treeline	-52.9	82.4	430.17
G	road	-112.7	135.4	434.03	G	treeline	-79.3	107.5	432.47
G	road	-115.1	143.8	434.25	G	treeline	-109.9	98.9	432.94
G	road	-117.8	146.6	434.26	G	pipeline	-48.0	-91.9	431.39

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	trail	13.2	62.5	432.48	G	pipeline	-47.6	-96.1	431.61
G	trail	17.0	77.0	432.18	G	pipeline	-47.4	-99.5	431.59
G	trail	22.9	98.3	433.64	G	pipeline	-63.6	-92.3	430.84
G	trail	27.4	109.6	433.72	G	pipeline	-63.6	-95.9	430.88
G	trail	28.6	114.4	433.55	G	pipeline	-63.9	-99.2	431.00
G	trail	28.0	123.6	433.45	G	pipeline	-81.5	-92.4	431.47
G	trail	22.6	131.0	433.44	G	pipeline	-81.2	-95.7	431.48
G	trail	19.5	136.7	433.28	G	pipeline	-81.2	-99.7	431.31
G	trail	18.3	145.6	433.34	G	pipeline	48.2	-99.2	429.36
G	trail	36.4	167.9	433.01	G	pipeline	88.3	-99.3	428.34
G	trail	52.4	185.3	433.55	G	pipeline	100.9	-99.7	428.20
G	trail	56.9	185.2	433.38	G	land surface	159.9	-45.9	430.53
G	trail	66.4	182.0	433.00	G	land surface	225.5	-46.0	430.15
G	trail	30.5	111.1	433.58	G	trail	8.6	134.7	433.19
G	trail	38.3	110.7	433.54	G	trail	53.9	182.7	433.40
G	trail	46.8	108.6	433.52	G	trail	133.3	144.3	431.00
G	trail	60.2	100.4	433.23	G	trail	160.7	158.2	426.00
G	trail	88.0	95.1	432.50	G	trail	187.3	185.3	423.36
G	trail	95.3	94.5	432.31	G	trail	194.7	192.9	422.08
G	trail	113.6	95.1	432.39	G	trailer corner	-11.2	18.2	432.98
G	trail	121.0	92.2	432.38	G	trailer corner	-8.7	16.7	433.00
G	trail	134.4	84.5	431.36	G	trailer corner	-16.4	4.4	432.84
G	trail	17.2	140.5	433.41	G	trailer corner	-19.0	5.9	432.89
G	trail	12.0	134.3	433.63	G	lake edge	860.4	125.4	422.08
G	trail	7.2	122.6	433.62	G	lake edge	851.5	121.1	422.08
G	trail	-4.5	118.6	433.54	G	lake edge	842.8	119.6	422.08
G	trail	-14.7	121.8	433.34	G	lake edge	836.8	118.8	422.08
G	trail	-35.4	134.6	434.09	G	lake edge	829.8	116.7	422.08
G	trail	-56.9	144.5	433.73	G	lake edge	820.2	114.7	422.08
G	trail	-72.8	148.0	433.91	G	lake edge	809.3	112.6	422.08
G	trail	-105.6	148.4	434.12	G	lake edge	801.5	112.4	422.08
G	treeline	128.8	7.8	433.27	G	lake edge	790.2	113.5	422.08
G	treeline	108.3	15.5	433.15	G	lake edge	782.1	116.0	422.08
G	treeline	92.1	21.2	432.25	G	lake edge	776.8	120.1	422.08
G	treeline	71.0	40.9	431.24	G	lake edge	772.3	124.3	422.08
G	lake edge	768.9	129.4	422.08	G	lake edge	405.0	257.7	422.08
G	lake edge	765.9	136.2	422.08	G	lake edge	390.5	270.5	422.08
G	lake edge	764.0	143.9	422.08	G	lake edge	377.8	281.3	422.08
G	lake edge	762.1	151.1	422.08	G	lake edge	363.3	288.3	422.08
G	lake edge	758.7	155.6	422.08	G	lake edge	347.7	297.3	422.08

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	lake edge	757.2	161.1	422.08	G	lake edge	331.1	307.5	422.08
G	lake edge	753.8	167.9	422.08	G	lake edge	312.6	315.8	422.08
G	lake edge	749.1	173.5	422.08	G	lake edge	293.7	320.9	422.08
G	lake edge	741.7	177.7	422.08	G	lake edge	283.3	324.7	422.08
G	lake edge	734.9	180.5	422.08	G	lake edge	276.2	327.0	422.08
G	lake edge	729.3	184.9	422.08	G	lake edge	270.3	330.9	422.08
G	lake edge	716.1	188.1	422.08	G	lake edge	265.2	340.0	422.08
G	lake edge	703.8	190.5	422.08	G	lake edge	260.9	350.2	422.08
G	lake edge	692.9	190.7	422.08	G	lake edge	259.2	361.5	422.08
G	lake edge	685.3	192.2	422.08	G	lake edge	255.6	373.2	422.08
G	lake edge	677.2	193.5	422.08	G	lake edge	248.6	383.0	422.08
G	lake edge	669.5	193.2	422.08	G	lake edge	237.3	394.0	422.08
G	lake edge	664.0	190.9	422.08	G	lake edge	223.2	406.0	422.08
G	lake edge	655.3	188.6	422.08	G	lake edge	219.8	416.2	422.08
G	lake edge	633.1	180.3	422.08	G	lake edge	219.0	427.9	422.08
G	lake edge	631.6	174.5	422.08	G	lake edge	217.9	435.5	422.08
G	lake edge	625.5	171.5	422.08	G	lake edge	216.4	445.1	422.08
G	lake edge	620.2	170.5	422.08	G	lake edge	213.5	456.4	422.08
G	lake edge	614.0	170.3	422.08	G	lake edge	213.0	471.1	422.08
G	lake edge	606.3	171.5	422.08	G	lake edge	216.0	485.9	422.08
G	lake edge	601.4	174.9	422.08	G	lake edge	226.2	519.1	422.08
G	lake edge	600.6	183.0	422.08	G	lake edge	232.6	540.6	422.08
G	lake edge	599.9	187.1	422.08	G	lake edge	237.7	558.1	422.08
G	lake edge	598.9	192.8	422.08	G	lake edge	242.4	583.4	422.08
G	lake edge	594.4	200.9	422.08	G	lake edge	243.0	604.4	422.08
G	lake edge	589.5	205.4	422.08	G	lake edge	242.6	627.0	422.08
G	lake edge	579.9	212.0	422.08	G	lake edge	238.4	654.0	422.08
G	lake edge	569.9	214.9	422.08	G	lake edge	231.1	672.9	422.08
G	lake edge	560.8	214.3	422.08	G	lake edge	222.8	686.1	422.08
G	lake edge	549.5	212.4	422.08	G	lake edge	215.8	697.8	422.08
G	lake edge	538.6	212.0	422.08	G	lake edge	208.8	712.1	422.08
G	lake edge	531.2	209.2	422.08	G	lake edge	205.4	722.3	422.08
G	lake edge	519.5	209.2	422.08	G	lake edge	196.9	729.1	422.08
G	lake edge	506.7	209.8	422.08	G	lake edge	180.3	735.7	422.08
G	lake edge	491.2	212.0	422.08	G	lake edge	167.5	734.4	422.08
G	lake edge	478.8	215.2	422.08	G	lake edge	154.5	725.5	422.08
G	lake edge	463.7	219.6	422.08	G	lake edge	141.1	708.7	422.08
G	lake edge	448.8	224.3	422.08	G	lake edge	133.7	691.4	422.08
G	lake edge	431.6	233.9	422.08	G	lake edge	126.2	678.5	422.08
G	lake edge	415.6	246.2	422.08	G	lake edge	121.7	666.3	422.08

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	lake edge	118.8	651.9	422.08	G	lake edge	319.9	137.5	422.08
G	lake edge	115.6	634.8	422.08	G	lake edge	331.4	130.9	422.08
G	lake edge	109.6	617.8	422.08	G	lake edge	345.2	124.7	422.08
G	lake edge	103.2	598.7	422.08	G	lake edge	363.3	119.2	422.08
G	lake edge	98.7	579.8	422.08	G	lake edge	378.2	112.8	422.08
G	lake edge	92.8	555.7	422.08	G	lake edge	394.4	109.6	422.08
G	lake edge	91.1	534.4	422.08	G	lake edge	415.0	105.6	422.08
G	lake edge	89.8	518.9	422.08	G	lake edge	433.7	104.1	422.08
G	lake edge	88.7	496.4	422.08	G	lake edge	445.9	100.9	422.08
G	lake edge	87.9	482.5	422.08	G	lake edge	445.9	100.9	422.08
G	lake edge	90.0	471.1	422.08	G	lake edge	458.0	99.6	422.08
G	lake edge	92.6	457.4	422.08	G	lake edge	476.7	97.3	422.08
G	lake edge	96.8	442.5	422.08	G	lake edge	490.1	96.9	422.08
G	lake edge	98.7	430.0	422.08	G	lake edge	501.6	95.0	422.08
G	lake edge	101.3	418.7	422.08	G	lake edge	515.4	96.0	422.08
G	lake edge	103.9	409.6	422.08	G	lake edge	525.9	99.4	422.08
G	lake edge	104.7	393.6	422.08	G	lake edge	536.3	105.0	422.08
G	lake edge	103.2	375.5	422.08	G	lake edge	544.2	112.8	422.08
G	lake edge	99.4	357.9	422.08	G	lake edge	554.4	122.2	422.08
G	lake edge	97.3	342.8	422.08	G	lake edge	564.0	129.2	422.08
G	lake edge	97.5	326.2	422.08	G	lake edge	574.0	137.5	422.08
G	lake edge	99.0	311.1	422.08	G	lake edge	581.4	143.0	422.08
G	lake edge	102.6	294.3	422.08	G	lake edge	587.4	147.9	422.08
G	lake edge	110.5	269.0	422.08	G	lake edge	594.6	151.3	422.08
G	lake edge	117.1	253.9	422.08	G	lake edge	598.0	150.7	422.08
G	lake edge	125.1	244.1	422.08	G	lake edge	601.2	149.8	422.08
G	lake edge	136.4	235.6	422.08	G	lake edge	601.2	149.8	422.08
G	lake edge	144.9	231.3	422.08	G	lake edge	525.9	99.4	422.08
G	lake edge	154.1	229.2	422.08	G	lake edge	605.5	140.1	422.08
G	lake edge	164.1	227.9	422.08	G	lake edge	601.2	133.7	422.08
G	lake edge	172.2	227.3	422.08	G	lake edge	595.9	121.1	422.08
G	lake edge	179.4	223.7	422.08	G	lake edge	591.2	108.2	422.08
G	lake edge	186.2	215.6	422.08	G	lake edge	587.8	94.1	422.08
G	lake edge	192.0	204.7	422.08	G	lake edge	585.7	79.0	422.08
G	lake edge	197.5	191.5	422.08	G	lake edge	589.5	66.2	422.08
G	lake edge	205.6	182.4	422.08	G	lake edge	598.2	56.3	422.08
G	lake edge	219.0	171.1	422.08	G	lake edge	612.3	48.2	422.08
G	lake edge	230.5	163.2	422.08	G	lake edge	626.3	42.6	422.08
G	lake edge	248.8	156.4	422.08	G	lake edge	642.7	38.0	422.08
G	lake edge	266.0	153.0	422.08	G	lake edge	661.0	35.6	422.08

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	lake edge	272.6	153.5	422.08	G	lake edge	675.9	35.2	422.08
G	lake edge	289.0	151.5	422.08	G	lake edge	691.0	38.2	422.08
G	lake edge	298.2	150.9	422.08	G	lake edge	705.9	39.4	422.08
G	lake edge	305.8	148.8	422.08	G	lake edge	721.7	39.7	422.08
G	lake edge	311.1	144.3	422.08	G	lake edge	739.3	36.5	422.08
G	lake edge	751.2	30.5	422.08	G	trail	42.3	106.4	433.53
G	lake edge	762.5	21.2	422.08	G	trail	38.5	107.2	433.54
G	lake edge	772.7	12.4	422.08	G	trail	195.4	188.2	423.36
G	lake edge	781.9	-0.1	422.08	G	trail	191.3	186.1	423.36
G	lake edge	794.5	-9.3	422.08	G	trail	188.0	184.0	423.36
G	lake edge	810.6	-17.8	422.08	G	trail	184.3	181.3	423.66
G	lake edge	828.5	-25.6	422.08	G	trail	181.0	178.7	423.89
G	lake edge	840.0	-26.7	422.08	G	trail	177.6	175.3	424.32
G	lake edge	855.7	-25.4	422.08	G	trail	174.4	172.0	424.64
G	lake edge	872.1	-20.1	422.08	G	trail	171.4	168.4	425.01
G	lake edge	883.2	-10.1	422.08	G	trail	168.1	164.1	425.30
G	lake edge	893.4	0.7	422.08	G	trail	165.5	160.9	425.64
G	lake edge	903.4	14.3	422.08	G	trail	162.3	157.2	425.91
G	lake edge	902.8	15.4	422.08	G	trail	159.6	154.4	426.29
G	lake edge	910.9	27.5	422.08	G	trail	156.6	152.3	427.09
G	lake edge	917.0	40.3	422.08	G	trail	152.9	150.0	427.64
G	lake edge	923.0	52.8	422.08	G	trail	148.9	147.8	428.39
G	lake edge	926.6	66.9	422.08	G	trail	145.0	146.0	428.99
G	lake edge	929.6	79.9	422.08	G	trail	140.9	144.5	429.69
G	lake edge	925.1	93.1	422.08	G	trail	137.0	143.5	430.34
G	lake edge	919.4	105.6	422.08	G	trail	133.9	142.7	430.89
G	lake edge	911.3	115.6	422.08	G	trail	130.5	142.5	431.16
G	lake edge	903.0	121.3	422.08	G	trail	127.9	142.5	431.24
G	lake edge	894.5	126.2	422.08	G	trail	124.9	142.7	431.32
G	lake edge	880.6	129.2	422.08	G	trail	121.7	143.1	431.41
G	lake edge	871.7	130.3	422.08	G	trail	118.4	143.9	431.50
G	trail	134.7	84.4	431.06	G	trail	115.0	144.8	431.60
G	trail	131.4	86.4	431.36	G	trail	111.3	146.1	431.73
G	trail	127.4	88.7	431.66	G	trail	106.9	148.1	431.85
G	trail	122.3	91.6	431.96	G	trail	102.8	150.1	431.97
G	trail	118.2	93.5	432.26	G	trail	98.8	152.4	432.10
G	trail	113.9	95.0	432.39	G	trail	94.6	155.2	432.23
G	trail	109.5	95.0	432.38	G	trail	90.4	158.1	432.43
G	trail	104.5	94.8	432.36	G	trail	84.5	162.6	432.61
G	trail	100.6	94.6	432.34	G	trail	79.2	167.2	432.72

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	trail	95.8	94.4	432.31	G	trail	76.0	170.2	432.82
G	trail	91.9	94.6	432.39	G	trail	73.4	172.7	432.91
G	trail	86.5	95.4	432.50	G	trail	70.8	175.0	433.00
G	trail	80.0	96.7	432.70	G	trail	68.0	176.9	433.08
G	trail	72.6	98.2	432.89	G	trail	65.2	178.6	433.11
G	trail	64.6	99.8	433.14	G	trail	62.6	179.7	433.20
G	trail	60.6	100.5	433.23	G	trail	60.5	180.5	433.28
G	trail	55.8	102.1	433.34	G	trail	40.0	110.4	433.55
G	trail	51.5	103.6	433.44	G	trail	42.8	109.8	433.54
G	trail	47.0	105.2	433.52	G	trail	45.3	109.0	433.53
G	trail	47.3	108.6	433.48	G	trail	123.5	145.7	431.28
G	trail	49.6	107.5	433.44	G	trail	117.7	146.9	431.39
G	trail	53.2	106.2	433.39	G	trail	113.9	148.2	431.51
G	trail	57.9	104.8	433.32	G	trail	109.7	150.0	431.66
G	trail	62.8	103.3	433.13	G	trail	104.5	152.6	431.78
G	trail	70.4	101.6	432.99	G	trail	100.5	154.9	432.01
G	trail	81.4	99.5	432.60	G	trail	92.8	159.6	432.20
G	trail	88.6	98.4	432.50	G	trail	86.9	163.9	432.36
G	trail	94.1	98.0	432.30	G	trail	82.2	167.8	432.45
G	trail	98.9	97.9	432.33	G	trail	79.9	170.0	432.52
G	trail	104.6	98.2	432.34	G	trail	78.1	171.9	432.59
G	trail	109.5	98.0	432.37	G	trail	76.1	174.0	432.68
G	trail	114.2	97.8	432.39	G	trail	73.1	175.9	432.83
G	trail	117.7	97.4	432.39	G	trail	69.1	180.0	432.91
G	trail	120.2	96.6	432.38	G	trail	66.4	181.0	433.00
G	trail	123.7	95.2	432.29	G	trail	63.1	182.7	433.15
G	trail	127.7	93.0	432.04	G	trail	59.5	183.9	433.25
G	trail	132.4	89.9	431.56	G	trail	56.9	184.6	433.34
G	trail	136.4	87.4	431.36	G	trail	54.6	184.4	433.42
G	trail	50.6	178.0	433.41	G	trail	52.4	184.0	433.45
G	trail	48.2	175.6	433.34	G	trail	50.9	183.0	433.49
G	trail	46.0	173.3	433.24	G	trail	48.8	180.8	433.39
G	trail	39.6	165.6	433.24	G	trail	38.8	170.1	433.29
G	trail	32.4	157.2	433.21	G	trail	28.5	157.5	433.31
G	trail	28.1	151.9	433.26	G	trail	22.0	149.4	433.35
G	trail	25.3	148.3	433.30	G	trail	-12.1	124.5	433.54
G	trail	23.7	146.1	433.31	G	trail	-19.9	128.9	433.54
G	trail	195.0	191.5	423.36	G	trail	-24.7	131.7	433.57
G	trail	191.6	189.6	423.36	G	trail	-30.9	135.6	433.62
G	trail	186.8	186.8	423.36	G	trail	-37.4	138.7	433.69

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	trail	182.2	183.6	423.78	G	trail	-43.6	141.7	433.79
G	trail	177.7	179.7	424.08	G	trail	-52.9	146.3	434.04
G	trail	174.6	176.7	424.46	G	trail	-60.6	149.4	433.89
G	trail	170.8	172.7	424.92	G	trail	-69.1	151.5	433.84
G	trail	166.7	167.6	425.23	G	trail	-74.0	152.4	433.79
G	trail	163.9	164.0	425.51	G	trail	-80.6	153.5	433.79
G	trail	161.4	160.9	425.80	G	trail	-87.4	154.0	433.84
G	trail	158.5	157.9	426.09	G	trail	-92.5	154.1	433.99
G	trail	155.2	155.2	426.95	G	trail	-97.0	153.8	434.01
G	trail	150.4	151.9	427.68	G	trail	-100.5	153.2	434.04
G	trail	146.3	149.9	428.42	G	trail	-104.6	151.9	434.09
G	trail	142.2	148.0	429.23	G	trail	-108.8	150.8	434.14
G	trail	137.5	146.6	429.97	G	trail	-113.4	149.9	434.19
G	trail	133.0	145.5	430.74	G	trail	-116.1	149.4	434.24
G	trail	128.4	145.3	431.13	G	trail	-118.0	150.2	434.24
G	trail	-14.2	121.9	433.54	G	trail	-77.8	8.1	431.39
G	trail	-19.9	125.2	433.52	G	trail	-75.2	4.2	431.59
G	trail	-27.6	129.9	433.55	G	trail	-71.4	-0.4	431.84
G	trail	-34.4	134.3	433.74	G	trail	-67.8	-3.9	431.95
G	trail	-43.9	138.7	433.99	G	trail	-64.0	-6.9	431.93
G	trail	-52.9	143.1	434.15	G	trail	-59.7	-9.3	431.92
G	trail	-59.7	146.1	434.01	G	trail	-53.9	-11.5	431.89
G	trail	-64.5	147.7	433.89	G	trail	-47.7	-13.0	432.04
G	trail	-71.4	149.2	433.87	G	trail	-43.0	-13.3	432.16
G	trail	-78.1	150.1	433.79	G	trail	-37.7	-12.0	432.31
G	trail	-85.8	150.9	433.95	G	trail	-33.4	-10.1	432.37
G	trail	-92.1	151.1	434.04	G	trail	-28.2	-6.8	432.59
G	trail	-97.8	150.7	434.09	G	trail	-24.1	-3.3	432.74
G	trail	-102.5	149.9	434.09	G	trail	-19.3	1.1	432.79
G	trail	-106.5	148.5	434.12	G	trail	-15.6	4.7	432.89
G	trail	-109.9	147.9	434.14	G	trail	-12.0	8.6	432.89
G	trail	-112.9	147.4	434.24	G	trail	-9.9	6.2	432.89
G	trail	-110.7	143.8	434.24	G	trail	-14.7	1.4	432.89
G	trail	-108.6	138.0	434.03	G	trail	-19.5	-3.4	432.79
G	trail	-105.8	132.0	433.91	G	trail	-23.9	-7.2	432.74
G	trail	-103.6	129.1	433.91	G	trail	-26.7	-9.5	432.64
G	trail	-101.0	126.7	433.89	G	trail	-29.4	-11.4	432.54
G	trail	-97.8	124.3	433.89	G	trail	-33.0	-13.8	432.39
G	trail	-95.4	122.4	433.84	G	trail	-35.5	-14.9	432.34
G	trail	-91.9	119.0	433.54	G	trail	-38.9	-16.0	432.28

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	trail	-88.6	115.6	433.29	G	trail	-41.4	-16.5	432.19
G	trail	-86.4	113.0	433.14	G	trail	-44.5	-16.7	432.12
G	trail	-84.0	109.3	432.89	G	trail	-47.8	-16.2	432.04
G	trail	-81.5	104.3	432.69	G	trail	-50.6	-15.7	431.99
G	trail	-79.8	99.9	432.49	G	trail	-57.1	-13.5	431.84
G	trail	-78.7	92.3	432.24	G	trail	-60.8	-12.4	431.78
G	trail	-77.9	84.6	431.89	G	trail	-63.8	-10.8	431.79
G	trail	-77.6	77.9	431.39	G	trail	-66.9	-9.0	431.92
G	trail	-77.2	70.3	431.11	G	trail	-69.9	-6.7	431.93
G	trail	-77.6	62.6	430.74	G	trail	-73.2	-3.6	431.95
G	trail	-78.7	56.4	430.09	G	trail	-76.2	-0.5	431.84
G	trail	-79.6	52.1	430.04	G	trail	-78.5	2.7	431.69
G	trail	-81.3	47.1	430.00	G	trail	-81.1	6.8	431.49
G	trail	-83.7	38.1	430.34	G	trail	-83.6	11.8	431.32
G	trail	-84.8	33.1	430.49	G	trail	-85.5	16.8	430.92
G	trail	-85.3	29.4	430.64	G	trail	-87.1	22.0	430.81
G	trail	-84.4	24.6	430.69	G	trail	-88.1	26.6	430.66
G	trail	-83.2	20.3	430.79	G	trail	-88.6	29.1	430.64
G	trail	-81.9	16.5	430.92	G	trail	-88.4	31.9	430.54
G	trail	-80.1	12.5	431.29	G	trail	-87.9	35.3	430.52
G	trail	-86.6	39.9	430.34	G	radar line, main	31.1	99.6	433.67
G	trail	-84.5	48.5	430.00	G	radar line, main	34.7	109.1	433.43
G	trail	-82.6	55.6	430.09	G	radar line, main	37.8	118.4	433.24
G	trail	-81.5	59.6	430.34	G	radar line, main	40.7	127.9	433.26
G	trail	-81.0	61.5	430.73	G	radar line, main	43.3	137.6	433.03
G	trail	-80.8	66.3	430.99	G	radar line, main	46.3	147.1	432.63
G	trail	-81.0	71.0	431.11	G	radar line, main	49.2	156.7	432.94
G	trail	-81.5	80.6	431.39	G	radar line, main	53.2	165.9	433.28
G	trail	-82.0	87.6	431.89	G	radar line, main	56.3	175.4	433.39
G	trail	-82.5	93.5	432.41	G	radar line, main	59.6	184.8	433.21
G	trail	-83.6	99.8	432.49	G	radar line, main	60.8	189.5	432.88
G	trail	-84.9	103.4	432.58	G	radar line, west	-20.0	-42.6	431.47
G	trail	-86.0	106.1	432.72	G	radar line, west	-24.4	-33.7	431.64
G	trail	-87.5	108.3	432.84	G	radar line, west	-28.7	-24.8	431.85
G	trail	-89.2	111.0	433.08	G	radar line, west	-32.9	-15.7	432.05
G	trail	-91.0	113.2	433.14	G	radar line, west	-36.9	-6.6	432.20
G	trail	-93.4	115.9	433.29	G	radar line, west	-41.2	2.5	431.92
G	trail	-95.7	118.3	433.54	G	radar line, west	-46.4	12.1	431.32
G	trail	-97.9	120.1	433.69	G	radar line, west	-50.2	20.1	430.37
G	trail	-100.1	121.8	433.84	G	radar line, west	-54.3	29.0	428.47

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
G	trail	-103.6	124.6	433.89	G	radar line, west	-59.0	37.8	427.01
G	trail	-106.4	127.2	433.91	G	radar line, west	-62.9	47.0	427.28
G	trail	-108.7	130.0	433.91	G	radar line, west	-67.1	56.0	428.63
G	trail	-110.6	132.9	433.98	G	radar line, west	-71.1	65.0	430.49
G	trail	-111.9	136.6	434.03	G	radar line, west	-75.1	74.2	431.32
G	trail	-112.7	140.1	434.09	G	radar line, west	-79.4	83.0	431.76
G	trail	-113.4	142.6	434.19	G	radar line, west	-82.6	92.4	432.24
G	trail	-115.0	145.1	434.25	G	radar line, west	-86.7	101.8	432.66
G	trail	-116.0	146.3	434.26	G	radar line, west	-90.8	110.9	433.06
G	trail	-117.4	147.2	434.26	G	grid point N 3	150.9	-103.5	430.45
G	radar line, main	-14.7	-42.7	431.49	G	grid point O 3	170.9	-103.5	430.27
G	radar line, main	-11.6	-33.3	432.02	G	grid point P 3	190.7	-103.2	428.71
G	radar line, main	-8.9	-23.9	432.35	G	grid point Q 3	210.7	-102.9	427.10
G	radar line, main	-4.7	-14.5	432.20	G	grid point R 3	230.7	-102.6	425.69
G	radar line, main	-1.1	-5.2	432.42	G	grid point S 3	250.6	-102.0	425.44
G	radar line, main	2.4	4.1	432.51	G	grid point T 3	270.5	-100.7	426.51
G	radar line, main	5.2	13.7	432.46	G	grid point N 5	148.3	-143.4	426.85
G	radar line, main	8.2	23.0	432.80	G	grid point O 5	168.3	-143.7	429.04
G	radar line, main	10.7	33.0	432.85	G	grid point P 5	187.9	-140.7	428.71
G	radar line, main	13.3	42.6	432.62	G	grid point Q 5	208.1	-142.2	427.62
G	radar line, main	16.4	52.1	432.73	G	grid point R 5	228.0	-138.2	428.84
G	radar line, main	20.5	61.2	432.81	G	grid point S 5	246.8	-133.4	427.14
G	radar line, main	23.6	70.7	432.85	G	grid point T 5	265.6	-128.7	425.44
G	radar line, main	25.8	80.4	433.09	G	radar line	155.8	-178.4	427.43
G	radar line, main	28.1	90.1	433.48	G	radar line	162.7	-159.5	428.42
G	radar line	170.1	-141.2	429.09	D	grid point D 8.5	-57.7	-213.6	431.87
G	radar line	176.6	-122.4	429.24	D	grid point D 9	-58.4	-223.5	432.24
G	radar line	183.1	-103.6	429.39	D	grid point D 10	-59.8	-243.5	432.63
G	radar line	190.5	-85.1	428.42	D	grid point D 11	-61.2	-263.2	433.00
G	radar line	283.6	-152.0	424.57	D	grid point DE 8.5	-47.8	-213.6	430.88
G	radar line	272.7	-135.2	425.31	D	grid point DE 8	-47.2	-204.3	430.34
G	radar line	261.7	-118.6	425.67	D	grid point DE 7.5	-46.3	-193.7	429.75
G	radar line	250.6	-102.0	425.44	D	grid point DE 7	-45.7	-183.8	429.56
G	radar line	244.2	-82.4	426.11	D	grid point DE 6.5	-44.9	-173.6	429.88
D	Bench Mark 1	0.0	0.0	432.61	D	grid point DE 6	-44.1	-163.8	430.24
D	land surface	60.5	182.4	433.14	D	grid point DE 5.5	-43.2	-153.8	430.67
D	grid point C 3	-69.0	-104.0	429.69	D	grid point DE 5	-42.3	-143.9	430.47
D	grid point C 3.5	-69.7	-113.9	429.95	D	grid point DE 4.5	-41.5	-133.8	430.43
D	grid point C 4	-70.6	-123.9	430.19	D	grid point DE 4	-40.7	-123.9	430.26
D	grid point C 4.5	-71.5	-133.8	430.46	D	grid point DE 3.5	-39.9	-114.3	430.45

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	grid point C 5	-72.2	-143.8	430.53	D	grid point DE 3	-39.0	-104.1	430.97
D	grid point C 5.5	-73.1	-153.7	430.60	D	grid point E 3	-28.6	-104.2	431.47
D	grid point C 6	-73.9	-163.7	430.47	D	grid point E 3.5	-29.7	-114.1	430.29
D	grid point C 6.5	-74.8	-173.7	430.67	D	grid point E 4	-30.6	-124.0	429.69
D	grid point C 7	-75.5	-183.8	431.14	D	grid point E 4.5	-31.3	-133.9	429.79
D	grid point C 7.5	-76.5	-193.6	431.72	D	grid point E 5	-32.2	-143.9	429.95
D	grid point C 8	-77.2	-203.7	432.45	D	grid point E 5.5	-33.1	-153.9	429.98
D	grid point CD 8.5	-67.9	-213.5	432.56	D	grid point E 6	-34.0	-163.9	429.61
D	grid point CD 8	-67.1	-204.0	432.22	D	grid point E 6.5	-34.8	-173.8	429.19
D	grid point CD 7.5	-66.3	-193.8	431.56	D	grid point E 7	-35.7	-183.8	428.81
D	grid point CD 7	-65.2	-183.9	431.51	D	grid point E 7.5	-36.5	-193.8	428.91
D	grid point CD 6.5	-64.9	-174.2	431.10	D	grid point E 8	-37.3	-203.8	429.36
D	grid point CD 6	-63.9	-163.6	430.94	D	grid point E 8.5	-37.9	-213.6	430.19
D	grid point CD 5.5	-63.4	-153.7	430.97	D	grid point E 9	-38.7	-223.5	430.59
D	grid point CD 5	-62.6	-143.9	430.83	D	grid point EF 9	-28.9	-223.4	429.96
D	grid point CD 4.5	-61.6	-133.9	430.58	D	grid point EF 8.5	-27.9	-212.9	429.38
D	grid point CD 4	-61.1	-123.8	430.28	D	grid point EF 8	-27.8	-203.5	428.71
D	grid point CD 3.5	-60.4	-113.8	430.01	D	grid point EF 7	-25.6	-183.3	428.30
D	grid point CD 3	-59.7	-104.1	429.85	D	grid point EF 6.5	-24.9	-173.7	428.67
D	grid point D 3	-49.6	-104.0	430.27	D	grid point EF 6	-24.3	-163.9	429.27
D	grid point D 3.5	-50.3	-114.1	430.30	D	grid point EF 5.5	-23.7	-153.8	429.75
D	grid point D 4	-51.1	-123.9	430.25	D	grid point EF 5	-22.9	-144.0	429.64
D	grid point D 4.5	-51.9	-133.9	430.51	D	grid point EF 4.5	-22.1	-134.1	429.29
D	grid point D 5	-52.5	-143.8	430.91	D	grid point EF 4	-21.1	-123.8	429.29
D	grid point D 5.5	-53.3	-153.8	431.07	D	grid point EF 3.5	-20.1	-114.1	430.40
D	grid point D 6	-54.0	-163.8	431.08	D	grid point EF 3	-19.0	-104.2	431.72
D	grid point D 6.5	-54.8	-173.8	430.87	D	grid point F 3	-8.7	-104.2	431.79
D	grid point D 7	-55.6	-183.8	431.10	D	grid point F 3.5	-9.8	-114.2	430.44
D	grid point D 7.5	-56.3	-193.7	431.17	D	grid point F 4	-10.7	-124.1	429.07
D	grid point D 8	-57.0	-203.6	431.68	D	grid point F 4.5	-11.6	-134.0	428.97
D	grid point F 5	-12.3	-143.9	429.29	D	grid point GH 3	21.2	-104.1	429.30
D	grid point F 5.5	-13.0	-153.9	429.49	D	grid point H 3	31.2	-104.0	428.22
D	grid point F 6	-13.8	-163.9	429.16	D	grid point H 3.5	30.2	-113.9	427.88
D	grid point F 6.5	-14.7	-173.8	428.40	D	grid point H 4	29.3	-123.8	428.04
D	grid point F 7	-15.7	-183.3	427.98	D	grid point H 4.5	28.6	-133.8	428.44
D	grid point F 7.5	-16.5	-193.2	427.95	D	grid point H 5	27.8	-143.7	428.87
D	grid point F 8	-17.3	-203.1	427.83	D	grid point H 5.5	26.7	-153.7	429.25
D	grid point F 8.5	-18.1	-213.1	428.36	D	grid point H 6	25.9	-163.7	429.54
D	grid point F 9	-19.2	-223.0	428.74	D	grid point H 6.5	25.0	-173.6	429.87
D	grid point FG 8.5	-8.7	-214.0	427.79	D	grid point H 7	24.2	-183.6	429.81

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	grid point FG 8	-7.1	-203.5	427.82	D	grid point H 7.5	23.3	-193.8	429.70
D	grid point FG 7.5	-6.0	-193.4	427.91	D	grid point H 8	22.6	-203.5	429.95
D	grid point FG 7	-5.3	-183.5	427.98	D	grid point I 8	42.7	-203.5	430.05
D	grid point FG 6.5	-3.6	-173.7	428.36	D	grid point I 7	44.2	-183.5	430.32
D	grid point FG 6	-3.5	-163.6	428.83	D	grid point I 6	45.8	-163.7	430.26
D	grid point FG 5.5	-2.9	-154.0	428.91	D	land surface	-74.5	-183.8	431.31
D	grid point FG 5	-2.2	-144.0	428.65	D	land surface	-73.5	-183.9	431.34
D	grid point FG 4.5	-1.5	-133.9	428.49	D	land surface	-72.5	-183.9	431.35
D	grid point FG 4	-0.6	-123.9	429.05	D	land surface	-71.5	-183.9	431.23
D	grid point FG 3.5	0.0	-113.9	430.66	D	land surface	-70.5	-183.9	431.35
D	grid point FG 3	1.4	-104.2	431.60	D	land surface	-69.6	-184.0	431.40
D	grid point G 3	10.8	-104.1	430.94	D	land surface	-68.6	-184.1	431.45
D	grid point G 3.5	10.2	-113.9	430.21	D	land surface	-67.6	-184.1	431.47
D	grid point G 4	9.4	-123.9	429.06	D	land surface	-66.6	-184.1	431.46
D	grid point G 4.5	8.5	-133.8	428.35	D	land surface	-65.6	-184.1	431.46
D	grid point G 5	7.7	-143.8	428.34	D	land surface	-64.6	-184.0	431.47
D	grid point G 5.5	6.8	-153.7	428.57	D	land surface	-63.6	-184.0	431.43
D	grid point G 6	6.0	-163.8	428.79	D	land surface	-62.6	-184.0	431.40
D	grid point G 6.5	5.1	-173.7	428.78	D	land surface	-61.6	-184.0	431.39
D	grid point G 7	4.3	-183.6	428.48	D	land surface	-60.6	-183.9	431.34
D	grid point G 7.5	3.4	-193.8	428.11	D	land surface	-59.6	-183.9	431.30
D	grid point G 8	2.9	-203.6	428.08	D	land surface	-58.6	-183.8	431.27
D	grid point G 8.5	1.9	-213.6	428.36	D	land surface	-57.6	-183.8	431.18
D	grid point G 9	0.8	-223.5	428.96	D	land surface	-56.5	-183.9	431.13
D	grid point GH 8.5	11.4	-214.1	429.38	D	land surface	-55.6	-183.8	431.10
D	grid point GH 8	12.7	-203.3	429.15	D	land surface	-54.6	-183.8	430.96
D	grid point GH 7.5	13.3	-194.1	428.88	D	land surface	-53.6	-183.8	430.85
D	grid point GH 7	14.1	-183.9	429.11	D	land surface	-52.6	-183.8	430.73
D	grid point GH 6.5	14.8	-174.0	429.20	D	land surface	-51.6	-183.8	430.56
D	grid point GH 6	15.8	-163.6	429.14	D	land surface	-50.6	-184.0	430.44
D	grid point GH 5.5	16.8	-153.6	428.87	D	land surface	-49.6	-183.9	430.27
D	grid point GH 5	17.8	-144.0	428.46	D	land surface	-48.6	-183.9	430.18
D	grid point GH 4.5	18.8	-133.7	428.26	D	land surface	-47.7	-183.9	429.93
D	grid point GH 4	19.6	-123.8	428.43	D	land surface	-46.7	-183.8	429.78
D	grid point GH 3.5	20.2	-114.7	428.89	D	land surface	-45.7	-183.8	429.55
D	land surface	-44.7	-183.7	429.49	D	grid point L 6	105.2	-164.1	425.47
D	land surface	-43.7	-183.7	429.39	D	grid point L 7	102.7	-183.8	424.62
D	land surface	-42.7	-183.7	429.34	D	grid point L 8	100.3	-203.8	424.08
D	land surface	-41.7	-183.7	429.24	D	grid point L 9	97.8	-223.5	424.01
D	land surface	-40.7	-183.7	429.24	D	grid point L 10	95.2	-243.3	424.22

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	land surface	-39.7	-183.7	429.10	D	grid point L 11	92.9	-263.2	424.56
D	land surface	-38.7	-183.7	429.02	D	grid point L 12	90.6	-282.8	428.31
D	land surface	-37.7	-183.7	428.93	D	grid point M 13	113.6	-302.9	429.56
D	land surface	-36.7	-183.6	428.83	D	grid point M 12	115.1	-283.2	426.49
D	land surface	-35.7	-183.7	428.77	D	grid point M 11	116.8	-263.3	424.15
D	land surface	-34.7	-183.5	428.74	D	grid point M 10	118.7	-243.6	424.19
D	land surface	-33.8	-183.5	428.69	D	grid point M 9	120.6	-223.6	424.10
D	land surface	-32.7	-183.5	428.63	D	grid point M 8	122.4	-203.7	424.58
D	land surface	-31.7	-183.4	428.58	D	grid point M 7	124.2	-184.0	424.89
D	land surface	-30.8	-183.4	428.50	D	grid point M 6	125.9	-163.9	425.53
D	land surface	-29.8	-183.4	428.46	D	grid line N	144.0	-183.9	426.59
D	land surface	-28.8	-183.3	428.45	D	grid line N	140.6	-204.3	425.74
D	land surface	-27.8	-183.3	428.39	D	grid line N	140.2	-223.6	425.11
D	land surface	-26.7	-183.3	428.30	D	grid line N	138.2	-243.6	424.89
D	land surface	-25.8	-183.3	428.25	D	grid line N	136.5	-263.5	425.15
D	land surface	-24.8	-183.3	428.21	D	grid line N	134.4	-283.5	425.87
D	land surface	-23.8	-183.3	428.16	D	grid line N	132.3	-303.1	428.67
D	land surface	-22.7	-183.3	428.13	D	trail	140.2	-304.3	428.62
D	land surface	-21.8	-183.3	428.11	D	trail	141.9	-284.6	426.06
D	land surface	-20.7	-183.3	428.12	D	trail	145.1	-263.7	425.10
D	land surface	-19.7	-183.3	428.09	D	trail	147.6	-243.8	424.75
D	land surface	-18.8	-183.2	428.10	D	trail	153.1	-223.9	425.20
D	land surface	-17.8	-183.3	428.03	D	trail	155.3	-183.6	427.33
D	land surface	-16.8	-183.3	427.96	D	grid line O	166.1	-164.6	428.86
D	land surface	-15.7	-183.3	427.98	D	grid line O	163.8	-183.9	427.26
D	grid point I 8	42.7	-203.5	430.11	D	grid line O	162.1	-204.7	425.77
D	grid point I 9	41.2	-223.5	431.28	D	grid line O	160.3	-223.4	424.37
D	grid point I 10	39.7	-243.5	432.10	D	grid line O	158.3	-243.8	424.04
D	grid point I 11	38.2	-263.4	432.27	D	grid line O	156.6	-263.7	423.97
D	grid point J 6	66.0	-163.9	428.38	D	grid line O	155.2	-283.5	424.38
D	grid point J 7	64.0	-183.8	427.88	D	grid line O	153.7	-303.7	426.32
D	grid point J 8	62.3	-203.5	427.22	D	treeline	138.0	-96.2	430.13
D	grid point J 9	60.4	-223.5	427.63	D	treeline	137.2	-108.5	428.95
D	grid point J 10	58.5	-243.3	428.23	D	treeline	139.9	-126.9	427.01
D	grid point J 11	56.5	-263.2	429.50	D	treeline	140.9	-143.3	426.44
D	grid point K 6	85.0	-164.1	426.35	D	treeline	126.4	-160.1	425.57
D	grid point K 7	82.6	-183.9	425.09	D	treeline	134.7	-181.5	425.77
D	grid point K 8	80.0	-203.5	424.34	D	treeline	134.7	-185.6	425.53
D	grid point K 9	77.8	-223.5	424.19	D	treeline	124.0	-190.4	424.62
D	grid point K 10	75.1	-243.5	424.80	D	wetland edge	124.8	-203.3	424.82

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	wetland edge	128.6	-214.4	424.26	D	grid line P	179.9	-223.6	424.08
D	wetland edge	130.8	-227.0	424.07	D	grid line P	181.7	-203.9	423.94
D	wetland edge	129.8	-235.4	424.34	D	grid line P	183.7	-184.1	424.79
D	wetland edge	128.4	-247.0	424.22	D	grid line P	185.5	-164.3	426.19
D	wetland edge	124.7	-259.8	424.21	D	grid line O	166.0	-164.2	428.79
D	wetland edge	119.2	-268.7	424.20	D	grid line O	164.0	-183.8	427.27
D	wetland edge	110.2	-272.4	424.09	D	grid line O	162.2	-204.0	425.80
D	wetland edge	100.8	-267.4	424.16	D	grid line O	160.3	-223.8	424.27
D	wetland edge	94.3	-262.6	424.11	D	grid line O	158.0	-243.6	424.01
D	wetland edge	83.9	-254.6	424.07	D	grid line O	156.2	-263.6	423.74
D	wetland edge	79.6	-247.3	424.25	D	grid line O	154.9	-283.7	424.31
D	wetland edge	80.4	-232.7	424.15	D	grid point N 13	132.6	-303.0	428.66
D	wetland edge	77.3	-222.7	424.18	D	trail	118.2	-356.1	429.27
D	wetland edge	77.7	-210.0	424.18	D	trail	102.3	-386.9	429.00
D	wetland edge	86.5	-194.5	424.28	D	trail	82.5	-417.9	429.02
D	land surface	86.9	-185.3	424.67	D	trail	58.3	-462.2	429.47
D	land surface	70.8	-183.4	426.58	D	trail	55.9	-473.2	429.75
D	land surface	44.2	-183.8	430.34	D	treeline	7.7	-204.5	428.53
D	land surface	42.5	-195.3	430.19	D	treeline	-8.7	-213.1	427.53
D	land surface	42.5	-205.0	430.19	D	treeline	-22.3	-224.3	429.12
D	land surface	28.6	-204.4	430.29	D	treeline	-29.9	-240.6	430.69
D	land surface	16.6	-203.5	429.56	D	treeline	-37.4	-250.7	432.48
D	land surface	7.7	-204.3	428.52	D	treeline	-57.6	-255.2	432.83
D	land surface	139.3	-85.8	431.20	D	treeline	-55.8	-255.3	432.82
D	land surface	126.7	-88.0	429.93	D	treeline	-81.9	-252.6	433.01
D	land surface	98.5	-82.1	427.47	D	treeline	-100.5	-245.2	433.06
D	land surface	82.1	-78.8	427.32	D	treeline	-114.8	-231.8	433.50
D	land surface	58.2	-78.1	427.90	D	treeline	-122.1	-219.5	433.63
D	land surface	30.3	-82.1	429.19	D	land surface	-118.0	-202.0	433.93
D	land surface	20.0	-80.1	430.53	D	land surface	-115.1	-191.8	431.50
D	land surface	3.7	-79.2	431.48	D	land surface	-115.2	-177.1	430.36
D	land surface	52.1	-81.4	427.73	D	land surface	-134.3	-174.2	431.43
D	trail	160.7	-163.4	428.32	D	land surface	-153.7	-173.1	433.05
D	trail	154.1	-179.2	427.42	D	land surface	-174.8	-174.4	434.03
D	trail	156.7	-199.5	426.56	D	land surface	-188.7	-181.9	433.63
D	trail	153.2	-222.1	425.20	D	land surface	-150.0	-121.5	432.02
D	trail	147.7	-246.5	424.72	D	land surface	-132.2	-117.8	431.93
D	trail	142.1	-286.3	426.20	D	land surface	-128.9	-108.4	431.58
D	trail	139.5	-311.4	429.29	D	treeline	-128.5	-89.8	431.27
D	trail	138.1	-331.6	429.60	D	treeline	-113.3	-88.8	431.16

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	grid point O 13	154.0	-303.7	426.28	D	treeline	-102.9	-71.2	431.57
D	grid line P	172.5	-303.4	423.95	D	treeline	-88.7	-56.5	432.05
D	grid line P	174.3	-283.1	424.00	D	treeline	-79.7	-48.4	432.15
D	grid line P	175.8	-263.3	423.93	D	railroad	-63.5	-47.9	431.55
D	grid line P	178.0	-243.7	424.08	D	railroad	-41.7	-47.4	431.43
D	railroad	-22.6	-46.6	431.19	D	grid line F	-19.0	-223.2	428.73
D	railroad	0.4	-52.2	431.10	D	land surface	-50.3	-201.4	430.52
D	railroad	13.6	-56.3	431.21	D	land surface	-42.6	-197.3	429.43
D	railroad	13.5	-65.8	430.54	D	land surface	-37.3	-195.9	428.95
D	railroad	2.4	-73.8	430.84	D	land surface	-30.8	-196.5	428.60
D	grid line C	-77.2	-204.0	432.43	D	land surface	-28.2	-194.9	428.52
D	grid line C	-78.0	-214.0	432.78	D	land surface	-25.5	-193.9	428.23
D	grid line C	-78.9	-223.9	432.79	D	land surface	-23.2	-195.4	428.06
D	grid line C	-79.7	-233.8	432.63	D	land surface	-23.0	-197.8	428.04
D	grid line C	-80.5	-243.8	432.68	D	land surface	-20.8	-198.4	427.93
D	grid line C	-81.3	-253.8	432.99	D	land surface	-17.7	-200.3	427.92
D	land surface	-71.1	-254.8	433.08	D	land surface	-15.1	-200.3	427.90
D	land surface	-70.4	-244.2	432.60	D	land surface	-12.0	-199.2	427.86
D	land surface	-69.5	-234.2	432.68	D	land surface	-10.3	-198.5	427.89
D	land surface	-68.6	-224.0	432.54	D	land surface	-9.1	-195.7	427.91
D	land surface	-67.8	-213.8	432.57	D	land surface	-8.8	-189.7	427.93
D	land surface	-67.1	-204.4	432.22	D	land surface	-5.3	-191.0	427.89
D	grid line D	-57.1	-203.9	431.67	D	land surface	-5.9	-193.6	427.89
D	grid line D	-57.7	-213.9	431.88	D	land surface	-6.8	-196.1	427.85
D	grid line D	-58.4	-223.8	432.25	D	land surface	-8.9	-200.1	427.84
D	grid line D	-59.1	-234.0	432.56	D	land surface	6.0	-202.2	427.81
D	grid line D	-59.9	-244.3	432.72	D	land surface	-3.7	-200.9	427.84
D	grid line D	-60.6	-254.6	432.88	D	land surface	-2.1	-199.9	427.92
D	grid line D	-61.6	-264.8	432.92	D	land surface	1.2	-197.9	427.98
D	land surface	-51.3	-254.6	432.72	D	land surface	4.6	-197.9	428.20
D	land surface	-50.5	-244.2	432.52	D	land surface	8.0	-197.6	428.39
D	land surface	-49.8	-234.2	432.21	D	land surface	12.4	-197.5	428.71
D	land surface	-48.8	-224.0	431.52	D	land surface	16.2	-198.0	429.20
D	land surface	-47.8	-213.9	430.87	D	grid line C	-81.4	-263.2	432.68
D	land surface	-47.2	-204.6	430.36	D	grid line C	-81.7	-274.1	432.44
D	grid line E	-37.4	-204.1	429.32	D	grid line C	-83.2	-284.9	431.89
D	grid line E	-38.0	-213.5	430.13	D	grid line C	-83.2	-284.8	431.89
D	grid line E	-38.7	-223.7	430.59	D	land surface	-73.7	-284.4	431.98
D	grid line E	-39.4	-234.0	431.53	D	land surface	-72.6	-275.2	432.38
D	grid line E	-40.1	-244.0	432.48	D	land surface	-71.6	-264.7	432.87

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	grid line E	-41.1	-254.5	432.66	D	grid line D	-61.4	-264.8	432.96
D	grid line E	-41.9	-264.5	432.35	D	grid line D	-62.3	-274.7	432.40
D	land surface	-31.4	-254.1	432.50	D	grid line D	-63.3	-285.0	431.73
D	land surface	-30.6	-244.2	431.55	D	grid line DE	-51.4	-285.4	431.84
D	land surface	-29.8	-234.1	430.27	D	grid line DE	-53.0	-275.4	432.46
D	land surface	-29.0	-223.6	430.02	D	grid line DE	-52.2	-265.0	432.75
D	land surface	-28.2	-213.1	429.40	D	grid line E	-41.6	-264.5	432.37
D	land surface	-27.7	-203.8	428.69	D	grid line E	-42.7	-275.1	432.03
D	grid line F	-17.4	-203.5	427.78	D	grid line E	-43.4	-285.0	431.69
D	grid line F	-18.0	-213.4	428.38	D	grid line EF	-33.2	-275.2	432.17
D	grid line EF	-32.1	-264.4	432.32	D	grid line I	39.8	-243.6	432.01
D	grid line EF	-31.0	-254.1	432.53	D	grid line I	41.1	-223.5	431.18
D	grid line F	-20.4	-242.7	430.83	D	land surface	50.6	-1.7	432.03
D	grid line F	-21.0	-253.5	432.89	D	land surface	53.5	-2.5	432.56
D	grid line F	-18.8	-263.5	432.66	D	land surface	51.5	-2.6	432.11
D	grid line F	-19.1	-273.6	432.02	D	land surface	50.5	-2.5	432.68
D	grid line FG	-9.2	-274.0	432.01	D	land surface	50.7	-3.5	432.65
D	grid line FG	-8.4	-264.7	432.75	D	land surface	49.6	-2.7	432.15
D	grid line FG	-10.8	-253.9	432.77	D	land surface	48.5	-2.7	432.15
D	grid line FG	-7.8	-243.9	430.28	D	land surface	-12.0	-28.0	433.00
D	grid line FG	-8.2	-234.5	428.95	D	land surface	-10.2	-26.9	432.69
D	grid line FG	-8.2	-223.5	428.35	D	land surface	49.5	10.5	431.99
D	grid line G	0.7	-223.7	428.95	D	land surface	57.9	21.0	431.78
D	grid line G	-0.3	-233.7	429.51	D	land surface	67.7	33.7	431.11
D	grid line G	-1.0	-244.4	430.48	D	land surface	78.2	46.3	430.62
D	grid line G	-0.7	-254.0	432.37	D	land surface	88.7	59.2	429.94
D	grid line G	-1.0	-264.0	432.80	D	land surface	99.0	71.8	431.14
D	grid line G	-0.8	-273.4	431.98	D	land surface	108.7	84.0	431.91
D	grid line GH	7.0	-273.2	432.01	D	land surface	102.5	132.0	433.39
D	grid line GH	7.1	-264.0	432.54	D	land surface	46.6	110.5	433.39
D	grid line GH	8.1	-254.0	432.69	D	land surface	66.8	98.3	432.85
D	grid line GH	8.3	-245.3	431.01	D	land surface	76.5	96.0	432.66
D	grid line GH	9.3	-234.4	430.20	D	land surface	90.4	96.2	432.14
D	grid line GH	10.0	-224.8	429.76	D	land surface	102.1	94.6	431.91
D	grid line GH	11.3	-214.2	429.38	D	land surface	125.6	90.8	432.11
D	grid line H	21.7	-214.2	430.51	D	land surface	135.9	84.6	431.16
D	grid line H	21.0	-224.2	431.02	D	land surface	154.6	79.7	430.39
D	grid line H	20.1	-234.7	431.07	D	land surface	167.8	67.6	431.16
D	grid line H	19.0	-244.6	431.56	D	land surface	177.7	58.9	431.94
D	grid line H	18.8	-254.5	432.61	D	lake platform	192.2	262.6	423.92

Table 2.--Survey source, X and Y coordinates, and land-surface altitude of surveyed land surface, hydrologic and cultural features--Continued

Survey Source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)	Survey source code[1]	Grid point description[2]	X coordinate of site (m)	Y coordinate of site (m)	Land-surface altitude (m)
D	grid line H	18.0	-264.5	432.32	D	lake platform	191.8	265.1	422.88
D	grid line H	17.6	-274.2	431.92	D	lake platform	192.5	261.7	422.84
D	grid line I	38.5	-263.6	432.17	D	lake platform	190.6	262.8	422.85

[1] Survey source code
D, Minnesota District
G, Geologic Division

[2] grid point, location of reference points in field

Table 3.--Water levels in observation wells during 1983 through 1991

[Water levels in meters below land-surface datum; Date, month/day/year]

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 303									
06/03/83	6.742	08/03/84	6.562	02/24/85	6.809	08/11/85	6.525	04/13/86	6.632
06/06/83	6.737	08/10/84	6.598	03/03/85	6.815	08/18/85	6.525	04/20/86	6.617
06/06/83	6.736	08/17/84	6.626	03/10/85	6.815	08/25/85	6.541	04/27/86	6.605
06/16/83	6.728	08/23/84	6.626	03/17/85	6.815	09/01/85	6.544	05/05/86	6.574
06/16/83	6.730	09/09/84	6.702	03/24/85	6.812	09/08/85	6.550	05/11/86	6.541
06/21/83	6.717	09/20/84	6.723	03/31/85	6.794	09/15/85	6.559	05/19/86	6.522
07/12/83	6.635	10/17/84	6.739	04/07/85	6.784	09/22/85	6.568	06/15/86	6.534
07/22/83	6.630	10/24/84	6.666	04/14/85	6.766	09/27/85	6.568	06/29/86	6.531
09/07/83	6.662	10/31/84	6.638	04/21/85	6.754	10/06/85	6.580	07/13/86	6.565
10/21/83	6.714	11/07/84	6.632	04/28/85	6.736	10/13/85	6.583	07/21/86	6.571
02/27/84	6.803	11/16/84	6.644	05/05/85	6.681	10/20/85	6.595	08/13/86	6.510
04/06/84	6.797	11/21/84	6.644	05/12/85	6.602	10/27/85	6.595	11/03/86	6.748
04/13/84	6.787	11/30/84	6.656	05/19/85	6.562	01/25/86	6.653	12/14/86	6.745
04/27/84	6.775	12/05/84	6.675	05/26/85	6.547	02/02/86	6.650	12/28/86	6.720
05/04/84	6.836	12/13/84	6.687	06/02/85	6.541	02/08/86	6.669	01/03/87	6.723
05/28/84	6.934	12/23/84	6.705	06/09/85	6.541	02/15/86	6.675	01/11/87	6.766
06/06/84	6.544	12/30/84	6.720	06/16/85	6.519	02/22/86	6.681	10/27/89	6.820
06/15/84	6.635	01/06/85	6.730	06/30/85	6.513	03/02/86	6.693	01/19/91	7.010
06/21/84	6.522	01/13/85	6.730	07/07/85	6.525	03/09/86	6.699	03/09/91	7.037
06/28/84	6.544	01/29/85	6.766	07/14/85	6.516	03/16/86	6.708	03/26/91	7.022
07/06/84	6.528	02/03/85	6.775	07/21/85	6.516	03/22/86	6.711	06/17/91	6.861
07/18/84	6.562	02/10/85	6.787	07/28/85	6.507	03/29/86	6.662		
07/25/84	6.592	02/17/85	6.803	08/04/85	6.516	04/05/86	6.650		
PROJECT WELL 307									
05/25/83	2.082	08/23/84	2.109	03/17/85	2.234	08/25/85	1.878	04/13/86	1.865
06/01/83	2.082	08/31/84	2.124	03/24/85	2.204	09/01/85	1.893	04/20/86	1.865
06/06/83	2.082	09/09/84	2.137	03/31/85	2.146	09/08/85	1.902	04/27/86	1.856
06/16/83	2.054	09/20/84	2.167	04/07/85	2.091	09/15/85	1.905	05/05/86	1.795
06/21/83	2.015	10/15/84	2.204	04/14/85	2.091	09/22/85	1.905	05/11/86	1.768
07/12/83	1.939	10/24/84	1.908	04/21/85	2.073	09/29/85	1.908	05/19/86	1.801
07/22/83	1.963	10/31/84	1.926	04/28/85	1.929	10/06/85	1.917	06/15/86	1.893
09/07/83	2.064	11/07/84	1.948	05/05/85	1.902	10/13/85	1.917	06/29/86	1.887
02/27/84	2.189	11/16/84	1.984	05/12/85	1.899	10/20/85	1.932	07/09/86	1.911
04/06/84	2.036	11/21/84	1.990	05/19/85	1.865	10/27/85	1.939	07/13/86	1.890
04/13/84	2.024	11/30/84	2.012	05/26/85	1.838	01/19/86	1.993	07/21/86	1.899
04/27/84	2.009	12/05/84	2.024	06/02/85	1.811	01/25/86	2.006	11/03/86	2.000
05/04/84	2.018	12/13/84	2.048	06/09/85	1.811	02/02/86	2.024	12/14/86	2.006
06/06/84	2.021	12/30/84	2.097	06/16/85	1.804	02/08/86	2.033	12/28/86	2.076
06/15/84	1.795	01/06/85	2.106	06/30/85	1.832	02/15/86	2.039	01/03/87	2.088
06/21/84	1.780	01/13/85	2.121	07/07/85	1.853	02/22/86	2.051	01/11/87	2.103
06/28/84	1.850	01/29/85	2.155	07/14/85	1.847	03/02/86	2.064	05/05/87	2.118
07/06/84	1.911	02/03/85	2.170	07/21/85	1.844	03/09/86	2.070	03/09/91	2.521
07/18/84	1.963	02/10/85	2.192	07/28/85	1.829	03/11/86	2.073	03/27/91	2.464
07/25/84	2.006	02/17/85	2.195	08/04/85	1.841	03/16/86	2.079		
08/03/84	2.054	02/24/85	2.207	08/11/85	1.853	03/22/86	2.082		
08/10/84	2.054	03/03/85	2.213	08/13/85	1.820	03/29/86	1.850		
08/17/84	2.082	03/10/85	2.216	08/18/85	1.868	04/05/86	1.853		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 308									
06/01/83	3.557	09/09/84	3.533	04/07/85	3.597	09/29/85	3.341	06/29/86	3.341
06/06/83	3.554	09/20/84	3.554	04/14/85	3.588	10/06/85	3.347	07/09/86	3.359
06/16/83	3.557	10/15/84	3.572	04/21/85	3.581	10/13/85	3.356	07/13/86	3.380
06/21/83	3.539	10/24/84	3.520	04/28/85	3.524	10/20/85	3.368	07/21/86	3.386
07/12/83	3.466	10/31/84	3.487	05/05/85	3.490	10/27/85	3.383	11/03/86	3.472
07/22/83	3.463	11/07/84	3.475	05/12/85	3.423	01/19/86	3.319	12/14/86	3.475
09/07/83	3.511	11/16/84	3.478	05/19/85	3.399	01/25/86	3.466	12/28/86	3.527
10/21/83	3.519	11/21/84	3.475	05/26/85	3.386	02/02/86	3.478	01/03/87	3.539
02/27/84	3.618	11/30/84	3.478	06/02/85	3.368	02/08/86	3.484	01/11/87	3.548
04/06/84	3.609	12/05/84	3.456	06/09/85	3.365	02/15/86	3.487	05/07/87	3.594
04/13/84	3.600	12/13/84	3.469	06/16/85	3.344	02/22/86	3.496	07/28/87	3.441
04/27/84	3.588	12/23/84	3.533	06/30/85	3.322	03/02/86	3.505	06/26/88	3.545
05/04/84	3.548	12/30/84	3.545	07/07/85	3.332	03/09/86	3.508	06/26/88	3.545
05/28/84	3.548	01/06/85	3.554	07/14/85	3.341	03/11/86	3.505	07/27/88	3.594
06/06/84	3.539	01/13/85	3.563	07/21/85	3.338	03/16/86	3.517	08/26/88	3.609
06/15/84	3.429	01/29/85	3.588	07/28/85	3.344	03/22/86	3.527	09/27/88	3.642
06/21/84	3.383	02/03/85	3.600	08/04/85	3.344	03/29/86	3.475	06/08/89	3.528
06/28/84	3.371	02/10/85	3.612	08/11/85	3.338	04/05/86	3.463	08/03/89	3.592
07/06/84	3.383	02/17/85	3.618	08/13/85	3.353	04/13/86	3.435	09/30/89	3.641
07/18/84	3.405	02/24/85	3.624	08/18/85	3.335	04/20/86	3.423	10/21/89	3.638
07/25/84	3.420	03/03/85	3.633	08/25/85	3.347	04/27/86	3.405	10/26/89	3.655
08/03/84	3.450	03/10/85	3.649	09/01/85	3.353	05/05/86	3.359	03/09/91	3.863
08/10/84	3.475	03/17/85	3.652	09/08/85	3.338	05/11/86	3.350	03/27/91	3.852
08/17/84	3.499	03/24/85	3.581	09/15/85	3.322	05/19/86	3.335	06/17/91	3.697
08/23/84	3.536	03/31/85	3.591	09/22/85	3.328	06/15/86	3.347		
PROJECT WELL 310A									
05/25/83	8.938	10/24/84	8.887	05/05/85	8.908	01/19/86	8.856	05/06/87	9.015
06/08/83	8.941	10/31/84	8.853	05/12/85	8.813	01/25/86	8.874	09/27/87	8.765
06/16/83	8.934	11/07/84	8.844	05/19/85	8.777	02/02/86	8.893	03/29/88	8.984
06/21/83	8.923	11/16/84	8.859	05/26/85	8.765	02/08/86	8.905	04/02/88	8.966
09/07/83	8.874	11/21/84	8.853	06/02/85	8.734	02/15/86	8.905	04/09/88	8.938
10/21/83	8.893	11/30/84	8.859	06/09/85	8.725	02/22/86	8.920	04/12/88	8.923
02/03/84	8.926	12/05/84	8.881	06/16/85	8.722	03/02/86	8.923	04/30/88	8.899
02/27/84	9.024	12/13/84	8.890	06/18/85	8.731	03/09/86	8.926	06/03/88	8.841
04/06/84	9.015	12/23/84	8.920	06/30/85	8.707	03/16/86	8.941	06/19/88	8.941
04/13/84	9.005	12/30/84	8.929	07/07/85	8.722	03/22/86	8.948	06/26/88	8.996
04/27/84	8.984	01/06/85	8.935	07/14/85	8.728	03/29/86	8.899	06/27/88	8.935
05/04/84	8.923	01/13/85	8.951	07/21/85	8.722	04/05/86	8.890	07/27/88	8.981
05/28/84	8.908	01/29/85	8.978	07/28/85	8.722	04/13/86	8.859	09/24/88	9.048
06/06/84	8.902	02/03/85	8.984	08/04/85	8.719	04/20/86	8.877	09/25/88	9.060
06/15/84	8.841	02/10/85	8.999	08/11/85	8.713	04/27/86	8.817	11/29/88	9.079
06/21/84	8.749	02/17/85	9.012	08/13/85	8.719	05/05/86	8.789	04/07/89	9.099
06/28/84	8.728	02/24/85	9.021	08/18/85	8.722	05/19/86	8.737	04/15/89	9.058
07/06/84	8.734	03/03/85	9.036	08/25/85	8.713	06/15/86	8.762	05/13/89	8.928
07/18/84	8.746	03/10/85	9.042	09/01/85	8.716	06/29/86	8.756	06/01/89	8.939
07/25/84	8.759	03/17/85	9.048	09/08/85	8.716	07/09/86	8.789	08/23/89	9.024
08/03/84	8.817	03/24/85	9.012	09/15/85	8.710	07/13/86	8.795	09/08/89	9.027
08/10/84	8.835	03/31/85	9.012	09/22/85	8.728	07/21/86	8.804	10/19/89	9.045
08/17/84	8.865	04/07/85	9.002	09/29/85	8.737	11/03/86	8.908	10/27/89	9.039
08/23/84	8.853	04/13/85	9.005	10/06/85	8.749	12/14/86	8.911	01/19/91	9.251
08/31/84	8.884	04/14/85	8.996	10/13/85	8.762	12/28/86	8.960	03/15/91	9.295

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 310A--Continued									
09/09/84	8.899	04/21/85	8.987	10/20/85	8.765	01/03/87	8.969		
09/20/84	8.923	04/28/85	8.975	10/27/85	8.774	01/11/87	8.975		
PROJECT WELL 310B									
02/03/84	9.219	11/30/84	8.899	06/09/85	8.731	02/22/86	8.948	09/27/87	8.850
02/27/84	9.061	12/05/84	8.917	06/16/85	8.728	03/02/86	8.957	02/27/88	9.009
04/06/84	9.055	12/13/84	8.933	06/30/85	8.722	03/02/86	8.981	02/28/88	9.009
04/13/84	9.042	12/23/84	8.951	07/07/85	8.725	03/09/86	8.963	03/29/88	9.009
04/27/84	9.027	12/30/84	8.966	07/14/85	8.725	03/16/86	8.975	04/02/88	8.997
05/04/84	8.966	01/06/85	8.978	07/21/85	8.722	03/29/86	8.933	04/05/88	8.978
05/28/84	8.960	01/13/85	8.987	07/28/85	8.722	04/05/86	8.923	04/09/88	8.969
06/06/84	8.942	01/29/85	9.021	08/04/85	8.725	04/13/86	8.896	04/12/88	8.960
06/15/84	8.866	02/03/85	9.033	08/11/85	8.731	04/20/86	8.875	04/30/88	8.923
06/21/84	8.783	02/10/85	9.036	08/13/85	8.759	04/27/86	8.856	06/03/88	8.954
06/28/84	8.768	02/17/85	9.051	08/18/85	8.734	05/05/86	8.820	06/19/88	8.966
07/06/84	8.774	02/24/85	9.061	08/25/85	8.750	05/11/86	8.799	08/26/88	9.024
07/18/84	8.805	03/03/85	9.070	09/01/85	8.756	05/19/86	8.771	09/24/88	9.076
07/25/84	8.835	03/10/85	9.079	09/08/85	8.768	06/15/86	8.795	09/25/88	9.085
08/03/84	8.859	03/17/85	9.094	09/15/85	8.762	06/29/86	8.792	04/07/89	9.127
08/10/84	8.866	03/24/85	9.051	09/22/85	8.771	07/09/86	8.829	04/15/89	9.089
08/17/84	8.890	03/31/85	9.048	09/29/85	8.774	07/13/86	8.829	05/13/89	8.965
08/23/84	8.890	04/07/85	9.039	10/06/85	8.780	07/21/86	8.838	06/01/89	8.966
08/31/84	8.923	04/14/85	9.036	10/13/85	8.789	11/03/86	8.997	08/03/89	9.009
09/09/84	8.942	04/21/85	9.033	10/20/85	8.799	12/14/86	9.000	08/23/89	9.061
09/20/84	8.994	04/28/85	8.972	10/27/85	8.814	12/28/86	8.997	09/08/89	9.061
10/24/84	8.923	05/05/85	8.939	01/19/86	8.923	01/03/87	9.003	10/19/89	9.074
10/31/84	8.887	05/12/85	8.789	01/25/86	8.914	01/11/87	9.018	10/27/89	9.077
11/07/84	8.866	05/19/85	8.756	02/02/86	8.923	05/06/87	9.048	01/19/91	9.284
11/16/84	8.856	05/26/85	8.744	02/08/86	8.930	07/28/87	8.856	03/15/91	9.343
11/21/84	8.893	06/02/85	8.734	02/15/86	8.942	08/10/87	8.844		
PROJECT WELL 310C									
02/03/84	8.825	12/05/84	8.804	06/30/85	8.639	03/16/86	8.871	03/29/88	8.908
02/27/84	8.953	12/13/84	8.825	07/07/85	8.643	03/22/86	8.871	04/02/88	8.899
04/06/84	8.960	12/23/84	8.844	07/14/85	8.658	03/29/86	8.825	04/05/88	8.880
04/13/84	8.932	12/30/84	8.859	07/21/85	8.643	04/05/86	8.819	04/09/88	8.859
04/27/84	8.908	01/06/85	8.847	07/28/85	8.636	04/13/86	8.792	04/12/88	8.847
05/04/84	8.850	01/13/85	8.877	08/04/85	8.649	04/20/86	8.774	04/30/88	8.831
05/28/84	8.841	01/29/85	8.908	08/11/85	8.639	04/27/86	8.749	06/03/88	8.850
06/06/84	8.828	02/03/85	8.902	08/13/85	8.557	05/05/86	8.722	06/19/88	8.868
06/15/84	8.764	02/10/85	8.892	08/18/85	8.661	05/11/86	8.703	06/27/88	8.859
06/21/84	8.673	02/17/85	8.932	08/25/85	8.673	05/19/86	8.700	07/27/88	8.911
06/28/84	8.667	02/24/85	8.947	09/01/85	8.679	06/15/86	8.694	08/26/88	8.926
07/06/84	8.670	03/03/85	8.960	09/08/85	8.685	06/29/86	8.691	09/24/88	9.069
07/18/84	8.697	03/10/85	8.972	09/15/85	8.688	07/09/86	8.719	09/25/88	9.084
07/25/84	8.719	03/17/85	8.981	09/22/85	8.700	07/13/86	8.719	11/29/88	9.100
08/03/84	8.749	03/24/85	8.935	09/29/85	8.700	07/21/86	8.725	04/07/89	9.126
08/10/84	8.774	03/31/85	8.935	10/06/85	8.703	11/03/86	8.667	04/15/89	9.084
08/17/84	8.801	04/07/85	8.932	10/13/85	8.725	12/14/86	8.664	05/13/89	8.948
08/23/84	8.798	04/14/85	8.932	10/20/85	8.746	12/28/86	8.889	06/01/89	8.966
08/31/84	8.798	04/21/85	8.926	10/27/85	8.737	01/03/87	8.896	08/03/89	9.009
09/09/84	8.828	04/28/85	8.899	01/19/86	8.786	01/11/87	8.911	08/23/89	9.054

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 310C--Continued									
09/20/84	8.856	05/05/85	8.838	01/25/86	8.810	05/06/87	8.902	09/04/89	9.057
10/24/84	8.807	05/12/85	8.743	02/02/86	8.841	07/28/87	8.749	10/27/89	9.074
10/31/84	8.786	05/19/85	8.722	02/08/86	8.841	08/10/87	8.716	01/19/91	9.278
11/07/84	8.771	05/26/85	8.691	02/15/86	8.783	09/27/87	8.734	03/15/91	9.320
11/16/84	8.774	06/02/85	8.670	02/22/86	8.847	12/28/87	8.835		
11/21/84	8.780	06/09/85	8.655	03/02/86	8.853	02/27/88	8.899		
11/30/84	8.792	06/16/85	8.652	03/09/86	8.859	02/28/88	8.899		
PROJECT WELL 310D									
08/13/85	8.526	12/28/87	8.792	04/12/88	9.072	07/08/88	8.977	06/01/89	8.924
05/06/87	9.029	01/17/88	8.932	04/30/88	8.901	07/27/88	8.462	08/03/89	8.964
08/10/87	9.069	02/27/88	8.971	05/24/88	8.916	08/26/88	8.395	08/23/89	9.008
08/24/87	8.825	02/28/88	8.971	06/03/88	8.932	09/24/88	9.029	09/04/89	9.011
09/12/87	8.779	03/20/88	9.017	06/06/88	8.938	09/25/88	9.044	10/19/89	9.030
09/27/87	8.810	03/29/88	8.980	06/08/88	8.938	11/29/88	9.054	10/27/89	9.031
10/11/87	8.816	04/02/88	8.971	06/19/88	8.938	04/07/89	9.087	01/19/91	9.368
11/07/87	8.846	04/05/88	8.941	06/27/88	8.944	04/15/89	9.046		
11/19/87	8.837	04/09/88	8.941	07/06/88	8.959	05/13/89	8.941		
PROJECT WELL 310E									
05/06/87	8.930	04/02/88	8.878	06/19/88	8.851	04/07/89	8.991	10/19/89	8.932
07/28/87	8.619	04/05/88	8.860	06/27/88	8.844	04/15/89	8.948	10/27/89	8.937
08/10/87	8.457	04/09/88	8.851	07/09/88	8.863	05/13/89	8.839	01/19/91	9.139
09/27/87	8.549	04/12/88	8.829	08/26/88	8.908	06/01/89	8.829	03/11/91	9.169
02/27/88	8.823	04/30/88	8.817	09/24/88	8.930	08/03/89	8.868	03/26/91	9.158
02/28/88	8.823	05/03/88	8.768	11/29/88	8.957	08/23/89	8.915		
03/29/88	8.741	05/19/88	8.851	01/14/89	8.982	09/04/89	8.915		
PROJECT WELL 311									
06/09/83	9.314	08/23/84	9.278	03/31/85	9.354	09/15/85	9.141	06/15/86	9.107
06/16/83	9.307	09/09/84	9.296	04/07/85	9.342	09/22/85	9.150	06/29/86	9.101
06/21/83	9.293	09/20/84	9.308	04/14/85	9.339	09/27/85	9.150	07/09/86	9.119
07/12/83	9.235	10/15/84	9.323	04/21/85	9.333	10/06/85	9.156	07/13/86	9.141
07/22/83	9.226	10/24/84	9.266	04/28/85	9.302	10/13/85	9.162	07/21/86	9.153
09/07/83	9.266	10/31/84	9.244	05/05/85	9.262	10/20/85	9.162	11/03/86	9.278
10/21/83	9.269	11/07/84	9.235	05/12/85	9.162	10/27/85	9.171	12/14/86	9.241
02/27/84	9.375	11/16/84	9.220	05/19/85	9.147	01/25/86	9.220	12/28/86	9.281
04/06/84	9.372	11/21/84	9.235	05/26/85	9.144	02/02/86	9.262	01/03/87	9.287
04/13/84	9.363	11/30/84	9.250	06/02/85	9.144	02/08/86	9.238	01/11/87	9.293
04/27/84	9.342	12/05/84	9.256	06/09/85	9.131	02/15/86	9.241	05/07/87	9.345
05/04/84	9.308	12/13/84	9.272	06/16/85	9.131	02/22/86	9.256	08/26/88	9.363
05/28/84	9.302	12/23/84	9.287	06/18/85	9.125	03/02/86	9.262	09/11/88	9.384
06/06/84	9.296	12/30/84	9.296	06/30/85	9.125	03/09/86	9.262	09/25/88	9.400
06/15/84	9.217	01/06/85	9.305	07/07/85	9.107	03/16/86	9.272	11/29/88	9.409
06/15/84	9.174	01/13/85	9.311	07/14/85	9.110	03/22/86	9.278	06/08/89	9.281
06/21/84	9.174	01/29/85	9.345	07/21/85	9.125	03/29/86	9.238	08/03/89	9.331
06/28/84	9.259	02/03/85	9.351	07/28/85	9.122	04/05/86	9.226	09/04/89	9.377
07/06/84	9.150	02/10/85	9.354	08/04/85	9.116	04/13/86	9.195	09/30/89	9.383
07/17/84	9.174	02/17/85	9.366	08/11/85	9.113	04/20/86	9.186	10/21/89	9.391
07/18/84	9.174	02/24/85	9.375	08/13/85	9.113	04/27/86	9.174	10/26/89	9.397
07/25/84	9.205	03/03/85	9.375	08/18/85	9.125	05/05/86	9.125	10/30/89	9.392
08/03/84	9.226	03/10/85	9.381	08/25/85	9.131	05/11/86	9.107	03/16/91	9.602

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 311--Continued									
08/10/84	9.247	03/17/85	9.384	09/01/85	9.131	05/19/86	9.104	03/26/91	9.592
08/17/84	9.266	03/24/85	9.366	09/08/85	9.138	06/05/86	9.113	06/21/91	9.448
PROJECT WELL 318A									
07/12/83	9.098	10/31/84	9.113	05/05/85	9.134	10/20/85	9.018	12/28/86	9.165
07/22/83	9.092	11/07/84	9.098	05/12/85	9.064	10/27/85	9.031	01/03/87	9.171
09/07/83	9.131	11/16/84	9.015	05/19/85	9.043	01/25/86	9.064	01/11/87	9.171
10/21/83	9.140	11/21/84	9.107	05/26/85	9.037	02/02/86	9.113	07/26/87	9.043
02/27/84	9.250	11/30/84	9.119	06/02/85	9.012	02/08/86	9.122	01/29/88	9.290
04/06/84	9.244	12/05/84	9.128	06/09/85	9.012	02/15/86	9.119	06/26/88	9.165
04/13/84	9.235	12/13/84	9.140	06/16/85	9.003	02/22/86	9.137	07/27/88	9.220
04/27/84	9.214	12/23/84	9.156	06/18/85	8.994	03/02/86	9.140	08/26/88	9.232
05/04/84	9.186	12/30/84	9.165	06/30/85	9.000	03/09/86	9.143	09/25/88	9.275
05/28/84	9.171	01/06/85	9.180	07/07/85	8.988	03/16/86	9.153	04/07/89	9.305
06/06/84	9.165	01/13/85	9.189	07/14/85	8.985	03/22/86	9.162	04/15/89	9.262
06/15/84	9.107	01/29/85	9.214	07/21/85	8.970	03/29/86	9.116	05/13/89	9.174
06/21/84	9.104	02/03/85	9.226	07/28/85	8.967	04/05/86	9.101	06/08/89	9.153
06/28/84	9.012	02/10/85	9.232	08/04/85	8.973	04/13/86	9.076	08/03/89	9.200
07/06/84	8.997	02/17/85	9.238	08/11/85	8.976	04/20/86	9.058	09/04/89	9.248
07/17/84	9.034	02/24/85	9.241	08/13/85	8.973	04/27/86	9.043	09/30/89	9.251
07/18/84	9.031	03/03/85	9.247	08/18/85	8.976	05/11/86	8.985	10/21/89	9.252
07/25/84	9.174	03/10/85	9.262	08/25/85	8.979	05/19/86	8.976	10/30/89	9.251
08/10/84	9.079	03/17/85	9.262	09/01/85	8.979	06/15/86	8.982	01/19/91	9.449
08/17/84	9.101	03/21/85	9.232	09/08/85	8.985	06/29/86	8.976	03/16/91	9.481
08/23/84	9.113	03/31/85	9.220	09/15/85	8.991	07/09/86	8.994	03/26/91	9.463
09/09/84	9.116	04/07/85	9.214	09/22/85	8.991	07/13/86	9.022	06/14/91	9.104
09/20/84	9.156	04/14/85	9.211	09/29/85	8.988	07/21/86	9.031		
10/17/84	9.198	04/21/85	9.207	10/06/85	8.994	11/03/86	9.143		
10/24/84	9.134	04/28/85	9.177	10/13/85	9.006	12/14/86	9.107		
PROJECT WELL 318B									
08/26/88	9.193	04/15/89	9.224	08/03/89	9.167	10/21/89	9.228	03/16/91	9.444
11/29/88	9.251	05/13/89	9.108	09/04/89	9.213	10/30/89	9.226	03/26/91	9.434
04/07/89	9.263	06/08/89	9.118	09/30/89	9.218	01/19/91	9.412	06/14/91	9.267
PROJECT WELL 401									
10/15/84	5.511	12/27/84	5.563	08/13/85	5.420	06/27/88	5.587	06/11/91	5.700
10/31/84	5.493	03/29/85	5.642	08/20/85	5.407	09/08/89	5.633		
11/15/84	5.481	04/11/85	5.636	01/18/86	5.545	10/27/89	5.644		
11/30/84	5.511	04/25/85	5.615	05/05/87	5.676	03/11/91	5.892		
12/13/84	5.539	05/07/85	5.475	06/08/88	5.593	03/30/91	5.874		
PROJECT WELL 402									
10/31/84	2.557	12/27/84	2.682	05/29/85	2.737	06/08/88	2.682		
11/15/84	2.581	04/11/85	2.737	08/13/85	2.517	06/01/89	3.050		
11/30/84	2.612	04/25/85	2.645	01/18/86	2.658	09/08/89	2.731		
12/13/84	2.642	05/07/85	2.524	05/05/87	2.770	10/29/89	2.748		
PROJECT WELL 403									
10/15/84	3.239	12/27/84	3.522	05/07/85	3.385	06/21/88	3.431	03/09/91	3.904
10/31/84	3.409	01/09/85	3.422	08/13/85	3.318	06/27/88	3.470	03/30/91	3.898
11/15/84	3.403	03/29/85	3.592	01/18/86	3.446	06/01/89	3.480	06/11/91	3.678

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 403--Continued									
11/30/84	3.425	04/11/85	3.580	05/05/87	3.589	09/08/89	3.611		
12/13/84	3.425	04/25/85	3.543	06/08/88	3.507	10/29/89	3.632		
PROJECT WELL 404									
06/19/84	3.676	11/30/84	3.881	04/25/85	3.920	01/18/86	3.884	09/08/89	4.063
06/22/84	3.695	12/27/84	3.935	05/07/85	3.756	05/05/87	3.981	10/29/89	4.090
07/16/84	3.813	03/29/85	4.012	08/13/85	3.768	06/08/88	3.941		
11/15/84	3.850	04/11/85	3.999	12/13/85	3.911	06/01/89	3.884		
PROJECT WELL 405A									
07/18/84	5.105	09/20/84	5.276	11/30/84	5.166	08/13/85	5.090	10/27/89	5.382
07/25/84	5.093	10/24/84	5.252	12/13/84	5.230	01/18/86	5.224	03/09/91	5.652
08/10/84	5.157	10/31/84	5.194	12/27/84	5.261	05/05/87	5.377	03/30/91	5.652
08/17/84	5.169	11/07/84	5.169	03/29/85	5.346	06/08/88	5.285	06/11/91	5.438
08/23/84	5.182	11/15/84	5.172	04/11/85	5.346	06/27/88	5.288		
08/31/84	5.246	11/16/84	5.172	04/25/85	5.331	06/01/89	5.244		
09/09/84	5.255	11/21/84	5.185	05/07/85	5.169	09/08/89	5.364		
PROJECT WELL 405B									
07/18/84	5.110	09/20/84	5.281	11/30/84	5.205	08/13/85	5.092	06/01/89	5.243
07/25/84	5.141	10/15/84	5.162	12/13/84	5.235	01/18/86	5.220	09/08/89	5.360
08/10/84	5.199	10/24/84	5.251	12/27/84	5.260	04/11/87	5.345	10/27/89	5.380
08/17/84	5.226	10/31/84	5.187	03/29/85	5.385	05/05/87	5.376	03/09/91	5.650
08/23/84	5.226	11/07/84	5.171	04/11/85	5.345	06/08/88	5.287	03/30/91	5.655
08/31/84	5.241	11/16/84	5.174	04/25/85	5.321	06/27/88	5.281	06/11/91	5.430
09/09/84	5.260	11/21/84	5.190	05/07/85	5.171	07/09/88	5.315		
PROJECT WELL 405C									
07/18/84	5.079	09/20/84	5.250	11/30/84	5.176	08/13/85	5.061	09/08/89	5.335
07/25/84	5.112	10/15/84	5.268	12/13/84	5.204	01/18/86	5.195	10/27/89	5.356
08/10/84	5.167	10/24/84	5.225	12/27/84	5.231	05/05/87	5.341	03/09/91	5.624
08/17/84	5.195	10/31/84	5.161	03/29/85	5.359	06/08/88	5.262	03/30/91	5.629
08/23/84	5.192	11/07/84	5.140	04/11/85	5.320	06/27/88	5.250	06/11/91	5.402
08/31/84	5.213	11/15/84	5.100	04/25/85	5.298	07/09/88	5.292		
09/09/84	5.228	11/21/84	5.091	05/07/85	5.146	06/01/89	5.216		
PROJECT WELL 405D									
08/10/84	5.242	10/24/84	5.300	12/27/84	5.309	05/05/87	5.425	03/09/91	5.700
08/17/84	5.266	10/31/84	5.199	03/29/85	5.403	06/08/88	5.339	03/30/91	5.711
08/23/84	5.275	11/07/84	5.217	04/11/85	5.394	06/27/88	5.333	06/17/91	5.486
08/31/84	5.288	11/15/84	5.224	04/25/85	5.376	07/09/88	5.370		
09/09/84	5.303	11/21/84	5.239	05/07/85	5.220	06/01/89	5.323		
09/20/84	5.327	11/30/84	5.239	08/13/85	5.138	09/08/89	5.416		
10/15/84	5.349	12/13/84	5.281	01/18/86	5.269	10/27/89	5.431		
PROJECT WELL 405E									
05/05/87	5.202	06/01/89	5.488	10/27/89	5.217				
06/08/88	5.102	09/08/89	5.202	06/11/91	5.257				
PROJECT WELL 406									
10/15/84	5.438	12/27/84	5.368	05/07/85	5.280	06/01/89	5.364	06/11/91	5.600
10/31/84	5.307	01/29/85	5.402	01/18/86	5.176	09/08/89	5.511		
11/15/84	5.292	03/29/85	5.481	05/05/87	5.463	10/29/89	5.548		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 406--Continued									
11/30/84	5.322	04/11/85	5.469	06/08/88	5.393	03/09/91	5.830		
12/13/84	5.347	04/25/85	5.438	06/27/88	5.389	03/30/91	5.839		
PROJECT WELL 407									
10/15/84	6.351	12/27/84	6.296	05/07/85	6.281	06/27/88	6.336	03/30/91	6.789
10/31/84	6.281	01/09/85	6.327	08/13/85	6.086	06/01/89	6.328		
11/15/84	6.238	03/29/85	6.385	01/18/86	6.208	09/08/89	6.455		
11/30/84	6.250	04/11/85	6.406	05/05/87	6.391	10/29/89	6.490		
12/13/84	6.275	04/25/85	6.388	06/08/88	6.324	03/09/91	6.779		
PROJECT WELL 408									
07/18/84	7.125	09/09/84	7.250	12/13/84	7.271	08/13/85	7.067	06/01/89	7.376
07/25/84	7.137	09/20/84	7.275	12/27/84	7.284	01/18/86	7.207	09/08/89	7.442
08/10/84	7.180	10/15/84	7.311	03/29/85	7.415	05/05/87	7.424	10/29/89	7.476
08/17/84	7.201	10/31/84	7.290	04/11/85	7.409	06/08/88	7.348	03/09/91	7.748
08/23/84	7.201	11/15/84	7.253	04/25/85	7.406	06/21/88	7.345	03/30/91	7.770
08/31/84	7.125	11/30/84	7.253	05/07/85	7.342	06/27/88	7.345		
PROJECT WELL 409									
10/15/84	3.169	12/13/84	3.150	04/25/85	3.169	06/08/88	3.236	10/27/89	3.218
10/31/84	3.062	12/27/84	3.190	05/07/85	3.034	06/01/89	3.127	03/09/91	3.472
11/15/84	3.086	03/29/85	3.239	08/13/85	3.038	06/08/89	3.236	03/30/91	Dry
11/30/84	3.117	04/11/85	3.236	05/05/87	3.294	09/08/89	Dry		
PROJECT WELL 410									
06/19/84	3.076	11/15/84	3.210	04/11/85	3.329	01/18/86	3.243	10/29/89	3.414
06/22/84	3.091	11/30/84	3.213	04/25/85	3.216	05/05/87	3.316	03/09/91	3.690
07/16/84	3.201	12/13/84	3.252	05/07/85	3.100	06/08/88	3.158	03/30/91	3.649
10/15/84	3.319	12/27/84	3.258	06/07/85	3.100	06/01/89	3.221		
10/31/84	3.161	03/29/85	3.335	08/13/85	3.140	09/08/89	3.383		
PROJECT WELL 412									
07/18/84	10.090	09/09/84	10.191	12/13/84	10.221	01/18/86	10.133	10/27/89	10.441
07/25/84	10.084	09/20/84	10.215	12/27/84	10.221	05/05/87	10.365	03/09/91	10.724
08/10/84	10.118	10/15/84	10.252	03/29/85	10.362	06/08/88	10.298	03/30/91	10.749
08/17/84	10.145	10/31/84	10.252	04/11/85	10.362	06/27/88	10.145	06/11/91	10.569
08/23/84	10.142	11/15/84	10.212	04/25/85	10.353	06/01/89	10.354		
08/31/84	10.167	11/30/84	10.206	05/07/85	10.304	09/08/89	10.404		
PROJECT WELL 413									
10/15/84	7.297	12/27/84	7.325	05/07/85	7.368	06/27/88	7.374	03/09/91	7.828
10/31/84	7.340	01/09/85	7.355	08/13/85	7.102	06/01/89	7.402	03/30/91	7.845
11/15/84	7.294	03/29/85	7.459	01/18/86	7.224	09/08/89	7.496	06/11/91	7.639
11/30/84	7.270	04/11/85	7.441	05/05/87	7.438	10/27/89	7.535		
12/13/84	7.310	04/25/85	7.444	06/08/88	7.362	10/29/89	7.535		
PROJECT WELL 414									
10/15/84	6.111	12/13/84	6.066	04/25/85	6.124	05/05/87	6.182	10/27/89	6.811
10/31/84	6.041	12/27/84	6.084	05/07/85	6.017	06/08/88	6.127	03/09/91	6.401
11/15/84	6.017	03/29/85	6.157	08/13/85	5.935	06/01/89	6.061	03/30/91	6.382
11/30/84	6.041	04/11/85	6.148	01/18/86	6.051	09/08/89	6.160	06/11/91	6.194

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 415									
08/13/85	9.108	05/05/87	9.468	06/01/89	9.425	10/27/89	9.512		
01/18/86	9.258	06/27/88	9.861	09/08/89	9.181	03/09/91	9.770		
PROJECT WELL 416									
06/28/84	9.162	01/13/85	9.324	06/30/85	9.111	02/22/86	9.269	05/07/87	9.361
07/06/84	9.159	01/29/85	9.354	07/07/85	9.117	03/02/86	9.278	07/28/87	9.199
07/17/84	9.178	02/03/85	9.364	07/14/85	9.117	03/09/86	9.281	07/09/88	9.336
07/18/84	9.178	02/10/85	9.370	07/21/85	9.111	03/16/86	9.287	07/27/88	9.361
07/25/84	9.205	02/17/85	9.382	07/28/85	9.123	03/22/86	9.293	07/28/88	9.361
08/03/84	9.236	02/24/85	9.388	08/04/85	9.132	03/29/86	9.251	08/26/88	9.370
08/10/84	9.373	03/03/85	9.391	08/11/85	9.135	04/05/86	9.239	09/11/88	9.397
08/11/84	9.391	03/10/85	9.394	08/13/85	9.120	04/13/86	9.214	09/25/88	9.409
08/23/84	9.397	03/17/85	9.394	08/18/85	9.150	04/20/86	9.193	11/29/88	9.421
09/09/84	9.309	03/24/85	9.370	08/25/85	9.159	04/27/86	9.181	01/14/89	9.507
09/20/84	9.297	03/31/85	9.361	09/01/85	9.169	05/05/86	9.156	05/10/89	9.318
10/17/84	9.336	04/07/85	9.354	09/08/85	9.169	05/11/86	9.138	06/08/89	9.294
10/24/84	9.278	04/14/85	9.351	09/15/85	9.181	05/19/86	9.120	08/03/89	9.340
10/31/84	9.254	04/21/85	9.345	09/22/85	9.193	06/15/86	9.132	09/30/89	9.392
11/07/84	9.242	04/28/85	9.312	09/29/85	9.202	06/29/86	9.123	10/21/89	9.394
11/16/84	9.129	05/05/85	9.275	10/06/85	9.202	07/09/86	9.132	10/30/89	9.373
11/21/84	9.245	05/12/85	9.199	10/13/85	9.214	07/13/86	9.156	01/19/91	9.584
11/30/84	9.257	05/19/85	9.169	10/20/85	9.217	07/21/86	9.165	03/16/91	9.620
12/05/84	9.269	05/26/85	9.159	10/27/85	9.226	11/03/86	9.284	03/26/91	9.607
12/13/84	9.275	06/02/85	9.159	01/25/86	9.114	12/14/86	9.257	06/25/91	9.464
12/23/84	9.297	06/09/85	9.138	02/02/86	9.272	12/28/86	9.293		
12/30/84	9.309	06/16/85	9.129	02/08/86	9.281	01/03/87	9.300		
01/06/85	9.318	06/18/85	9.132	02/15/86	9.254	01/11/87	9.315		
PROJECT WELL 417A									
07/18/84	8.121	01/29/85	8.319	06/30/85	8.100	02/08/86	8.207	12/14/86	8.219
07/25/84	8.170	02/03/85	8.332	07/07/85	8.109	02/15/86	8.225	12/28/86	8.252
08/03/84	8.219	02/10/85	8.338	07/14/85	8.112	02/22/86	8.231	01/03/87	8.261
08/10/84	8.225	02/17/85	8.347	07/21/85	8.112	03/02/86	8.243	01/11/87	8.271
08/17/84	8.243	02/24/85	8.356	07/28/85	8.103	03/09/86	8.237	05/08/87	8.313
08/23/84	8.252	03/03/85	8.359	08/04/85	8.100	03/16/86	8.252	07/28/87	8.161
09/09/84	8.283	03/10/85	8.365	08/11/85	8.100	03/22/86	8.258	06/26/88	8.261
09/20/84	8.307	03/17/85	8.368	08/13/85	8.100	03/29/86	8.213	07/08/88	8.130
10/15/84	8.307	03/24/85	8.335	08/18/85	8.094	04/05/86	8.197	08/26/88	8.338
10/24/84	8.246	03/31/85	8.319	08/25/85	8.100	04/13/86	8.182	09/11/88	8.356
10/31/84	8.219	04/07/85	8.313	09/01/85	8.112	04/20/86	8.167	09/27/88	8.362
11/07/84	8.213	04/14/85	8.313	09/08/85	8.112	04/27/86	8.149	01/14/89	8.399
11/16/84	8.161	04/21/85	8.313	09/15/85	8.112	05/05/86	8.118	06/08/89	8.254
11/21/84	8.216	04/28/85	8.274	09/22/85	8.130	05/11/86	8.094	08/03/89	8.319
11/30/84	8.228	05/05/85	8.237	09/27/85	8.130	05/19/86	8.069	09/30/89	8.352
12/05/84	8.237	05/12/85	8.167	10/06/85	8.136	06/15/86	8.097	10/21/89	8.366
12/13/84	8.255	05/19/85	8.158	10/13/85	8.158	06/29/86	8.121	10/26/89	8.369
12/23/84	8.268	05/26/85	8.136	10/20/85	8.158	07/09/86	8.106	03/16/91	8.582
12/30/84	8.277	06/02/85	8.121	10/27/85	8.173	07/13/86	8.127	03/27/91	8.560
01/06/85	8.289	06/09/85	8.100	01/25/86	8.203	07/21/86	8.136	06/25/91	8.350
01/13/85	8.292	06/16/85	8.091	02/02/86	8.213	11/03/86	8.252		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 417B									
07/18/84	8.144	01/13/85	8.281	06/16/85	8.098	02/02/86	8.199	11/03/86	8.238
07/25/84	8.178	01/29/85	8.309	06/30/85	8.077	02/08/86	8.205	12/14/86	8.202
08/03/84	8.196	02/03/85	8.318	07/07/85	8.080	02/15/86	8.214	12/28/86	8.248
08/10/84	8.217	02/10/85	8.327	07/14/85	8.086	02/22/86	8.220	01/03/87	8.257
08/17/84	8.245	02/17/85	8.336	07/21/85	8.086	03/02/86	8.229	01/11/87	8.260
08/23/84	8.232	02/24/85	8.342	07/28/85	8.092	03/09/86	8.229	05/08/87	8.299
09/09/84	8.269	03/03/85	8.348	08/04/85	8.095	03/16/86	8.235	07/28/87	8.150
09/20/84	8.296	03/10/85	8.351	08/11/85	8.095	03/22/86	8.248	06/26/88	8.205
10/15/84	8.290	03/17/85	8.351	08/13/85	8.089	03/29/86	8.199	07/09/88	8.370
10/17/84	8.184	03/24/85	8.324	08/18/85	8.107	04/05/86	8.184	08/26/88	8.327
10/24/84	8.235	03/31/85	8.318	08/25/85	8.107	04/13/86	8.126	09/11/88	8.357
10/31/84	8.205	04/07/85	8.306	09/01/85	8.114	04/20/86	8.132	09/27/88	8.351
11/07/84	8.150	04/14/85	8.302	09/08/85	8.123	04/27/86	8.132	01/14/89	8.388
11/16/84	8.156	04/21/85	8.299	09/15/85	8.126	05/05/86	8.114	06/08/89	8.244
11/21/84	8.208	04/28/85	8.263	09/22/85	8.135	05/11/86	8.095	08/03/89	8.307
11/30/84	8.214	05/05/85	8.220	09/29/85	8.135	05/19/86	8.065	09/30/89	8.342
12/05/84	8.223	05/12/85	8.150	10/06/85	8.141	06/15/86	8.089	10/21/89	8.349
12/13/84	8.235	05/19/85	8.141	10/13/85	8.141	06/29/86	8.080	10/26/89	8.357
12/23/84	8.251	05/26/85	8.129	10/20/85	8.147	07/09/86	8.089	03/16/91	8.561
12/30/84	8.260	06/02/85	8.110	10/27/85	8.150	07/13/86	8.117	03/27/91	8.543
01/06/85	8.275	06/09/85	8.104	01/25/86	8.187	07/21/86	8.123	06/25/91	8.400
PROJECT WELL 417C									
07/18/84	8.195	01/29/85	8.356	06/18/85	8.146	02/02/86	8.250	11/03/86	7.969
07/25/84	8.225	02/03/85	8.365	06/30/85	8.128	02/08/86	8.265	12/14/86	7.936
08/03/84	8.332	02/10/85	8.368	07/07/85	8.140	02/15/86	8.265	12/28/86	8.295
08/10/84	8.265	02/17/85	8.387	07/14/85	8.137	02/22/86	8.268	01/03/87	8.301
08/17/84	8.286	02/24/85	8.396	07/21/85	8.137	03/02/86	8.277	01/11/87	8.311
08/23/84	8.301	03/03/85	8.402	07/28/85	8.140	03/09/86	8.277	05/08/87	8.353
09/09/84	8.320	03/10/85	8.405	08/04/85	8.134	03/16/86	8.289	07/26/87	8.204
09/20/84	8.344	03/17/85	8.405	08/11/85	8.134	03/22/86	8.295	06/26/88	8.301
10/15/84	8.341	03/24/85	8.375	08/13/85	8.143	03/29/86	8.253	07/09/88	8.338
10/24/84	8.286	03/31/85	8.371	08/18/85	8.149	04/05/86	8.243	08/26/88	8.378
10/31/84	8.256	04/07/85	8.356	08/25/85	8.149	04/13/86	8.216	09/11/88	8.399
11/07/84	8.250	04/14/85	8.353	09/01/85	8.155	04/20/86	8.204	09/27/88	8.402
11/16/84	8.152	04/21/85	8.347	09/08/85	8.155	04/27/86	8.189	01/14/89	8.432
11/21/84	8.256	04/28/85	8.314	09/15/85	8.161	05/05/86	8.158	06/08/89	8.293
11/30/84	8.268	05/05/85	8.274	09/22/85	8.164	05/11/86	8.109	08/03/89	8.355
12/05/84	8.280	05/12/85	8.204	09/29/85	8.170	05/19/86	8.112	09/30/89	8.291
12/13/84	8.292	05/19/85	8.198	10/06/85	8.170	06/15/86	8.134	10/21/89	8.393
12/23/84	8.304	05/26/85	8.158	10/13/85	8.173	06/29/86	8.125	10/26/89	9.405
12/30/84	8.314	06/02/85	8.155	10/20/85	8.173	07/09/86	8.137	03/16/91	9.381
01/06/85	8.326	06/09/85	8.152	10/27/85	8.182	07/13/86	8.167	03/27/91	9.378
01/13/85	8.332	06/16/85	8.140	01/25/86	8.219	07/21/86	8.173	06/25/91	6.649
PROJECT WELL 417D									
07/25/84	8.085	01/29/85	8.216	06/30/85	7.984	02/15/86	8.121	12/28/86	8.152
08/03/84	8.109	02/03/85	8.225	07/07/85	7.990	02/22/86	8.045	01/03/87	8.149
08/10/84	8.124	02/10/85	8.231	07/14/85	7.990	03/02/86	8.127	01/11/87	8.167
08/17/84	8.155	02/17/85	8.240	07/21/85	7.993	03/09/86	8.137	05/08/87	8.207
08/23/84	8.146	02/24/85	8.249	07/28/85	7.999	03/16/86	8.146	07/28/87	8.060
09/09/84	8.176	03/03/85	8.256	08/04/85	8.012	03/22/86	8.118	06/26/88	8.158

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 417D--Continued									
09/20/84	8.201	03/10/85	8.259	08/11/85	8.012	03/29/86	8.109	07/09/88	8.109
10/15/84	8.201	03/17/85	8.268	08/13/85	7.999	04/05/86	8.091	08/26/88	8.231
10/17/84	8.094	03/24/85	8.231	08/18/85	8.033	04/13/86	8.070	09/11/88	8.256
10/24/84	8.146	03/31/85	8.222	08/25/85	8.030	04/20/86	8.054	09/27/88	8.252
10/31/84	8.112	04/07/85	8.213	09/01/85	8.036	04/27/86	8.039	01/14/89	8.292
11/07/84	8.109	04/14/85	8.213	09/08/85	8.042	05/05/86	8.006	06/08/89	8.149
11/16/84	8.109	04/21/85	8.207	09/15/85	8.048	05/11/86	7.969	08/03/89	8.209
11/21/84	8.112	04/28/85	8.170	09/22/85	8.048	05/19/86	7.969	09/30/89	8.149
11/30/84	8.124	05/05/85	8.131	09/29/85	8.054	06/15/86	7.993	10/21/89	8.247
12/05/84	8.137	05/12/85	8.057	10/06/85	8.060	06/29/86	7.984	10/26/89	8.265
12/13/84	8.073	05/19/85	8.048	10/13/85	8.060	07/09/86	7.993	03/16/91	8.466
12/23/84	8.121	05/26/85	8.027	10/20/85	8.067	07/13/86	8.021	03/27/91	8.451
12/30/84	8.173	06/02/85	8.009	10/27/85	8.067	07/21/86	8.024	06/25/91	8.265
01/06/85	8.182	06/09/85	8.009	01/25/86	8.100	11/03/86	8.152		
01/13/85	8.192	06/16/85	7.996	02/02/86	8.112	12/14/86	8.115		
PROJECT WELL 417E									
10/17/84	8.092	06/26/88	8.531	09/27/88	8.570	09/30/89	8.633	03/16/91	8.995
05/08/87	8.043	08/26/88	8.549	06/08/89	8.637	10/21/89	8.632	03/27/91	8.985
07/28/87	8.671	09/11/88	8.558	08/03/89	8.629	10/26/89	8.637	06/25/91	8.887
PROJECT WELL 417F									
03/16/91	8.487	03/27/91	8.472	06/25/91	8.166				
PROJECT WELL 418A									
07/25/84	8.702	02/03/85	8.854	07/07/85	8.613	02/15/86	8.747	01/03/87	8.769
08/03/84	8.732	02/10/85	8.863	07/14/85	8.622	02/22/86	8.753	01/11/87	8.808
08/10/84	8.747	02/17/85	8.875	07/21/85	8.619	03/02/86	8.766	05/08/87	8.839
08/17/84	8.772	02/24/85	8.888	07/28/85	8.619	03/16/86	8.778	07/28/87	8.689
08/23/84	8.787	03/03/85	8.888	08/04/85	8.628	03/22/86	8.784	06/26/88	8.790
09/09/84	8.802	03/10/85	8.888	08/11/85	8.631	03/29/86	8.738	07/09/88	8.814
09/20/84	8.817	03/17/85	8.894	08/13/85	8.619	04/05/86	8.720	08/26/88	8.854
10/17/84	8.708	03/24/85	8.860	08/18/85	8.628	04/13/86	8.696	09/11/88	8.878
10/24/84	8.766	03/31/85	8.845	08/25/85	8.638	04/20/86	8.686	09/24/88	8.769
10/31/84	8.625	04/07/85	8.839	09/01/85	8.638	04/27/86	8.674	09/27/88	8.884
11/07/84	8.729	04/14/85	8.839	09/08/85	8.647	05/05/86	8.638	01/14/89	8.924
11/16/84	8.458	04/21/85	8.836	09/15/85	8.650	05/11/86	8.598	06/08/89	8.774
11/21/84	8.735	04/28/85	8.796	09/22/85	8.647	05/19/86	8.598	08/03/89	8.836
11/30/84	8.747	05/05/85	8.760	09/29/85	8.653	06/15/86	8.610	09/30/89	8.871
12/05/84	8.763	05/12/85	8.683	10/06/85	8.656	06/29/86	8.601	10/21/89	8.880
12/13/84	8.772	05/19/85	8.662	10/13/85	8.662	07/09/86	8.616	03/27/91	9.080
12/23/84	8.778	05/26/85	8.638	10/20/85	8.665	07/13/86	8.653	06/25/91	8.939
12/30/84	8.778	06/02/85	8.635	10/27/85	8.674	07/21/86	8.659		
01/06/85	8.811	06/09/85	8.631	01/25/86	8.732	11/03/86	8.567		
01/13/85	8.811	06/16/85	8.619	02/02/86	8.735	12/14/86	8.540		
01/29/85	8.842	06/30/85	8.613	02/08/86	8.607	12/28/86	8.763		
PROJECT WELL 418B									
07/25/84	8.687	01/29/85	8.827	06/30/85	8.593	02/08/86	8.727	12/14/86	8.757
08/03/84	8.706	02/03/85	8.837	07/07/85	8.596	02/15/86	8.730	12/28/86	8.767
08/10/84	8.724	02/10/85	8.840	07/14/85	8.608	02/22/86	8.562	01/03/87	8.779
08/17/84	8.748	02/17/85	8.846	07/21/85	8.593	03/02/86	8.751	01/11/87	8.788

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 418B--Continued									
08/23/84	8.748	02/24/85	8.846	07/28/85	8.596	03/16/86	8.757	05/08/87	8.821
09/09/84	8.788	03/03/85	8.852	08/04/85	8.590	03/22/86	8.767	07/28/87	8.733
09/20/84	8.806	03/10/85	8.873	08/11/85	8.608	03/29/86	8.721	11/08/87	8.690
10/15/84	8.812	03/17/85	8.879	08/13/85	8.599	04/05/86	8.703	06/26/88	8.462
10/17/84	8.706	03/24/85	8.843	08/18/85	8.608	04/13/86	8.681	07/09/88	8.797
10/24/84	8.751	03/31/85	8.837	08/25/85	8.617	04/20/86	8.675	08/26/88	8.843
10/31/84	8.727	04/07/85	8.824	09/01/85	8.617	04/27/86	8.651	09/11/88	8.861
11/07/84	8.648	04/14/85	8.821	09/08/85	8.623	05/05/86	8.626	09/27/88	8.873
11/15/84	8.718	04/21/85	8.818	09/15/85	8.626	05/09/86	8.751	01/14/89	8.901
11/21/84	8.721	04/28/85	8.779	09/22/85	8.623	05/11/86	8.599	06/08/89	8.758
11/30/84	8.736	05/05/85	8.739	09/29/85	8.632	05/19/86	8.581	08/03/89	8.820
12/05/84	8.733	05/12/85	8.669	10/06/85	8.639	06/15/86	8.590	09/30/89	8.857
12/13/84	8.757	05/19/85	8.651	10/13/85	8.635	06/29/86	8.587	10/21/89	8.853
12/23/84	8.770	05/26/85	8.645	10/20/85	8.645	07/09/86	8.605	03/16/91	9.092
12/30/84	8.782	06/02/85	8.635	10/27/85	8.651	07/13/86	8.471	03/27/91	9.067
01/06/85	8.797	06/09/85	8.620	01/25/86	8.709	07/21/86	8.483	06/25/91	8.913
01/13/85	8.800	06/16/85	8.599	02/02/86	8.718	11/03/86	8.788		
PROJECT WELL 418C									
07/25/84	8.749	01/29/85	8.874	06/30/85	8.654	02/08/86	9.038	12/14/86	9.050
08/03/84	8.773	02/03/85	8.904	07/07/85	8.657	02/15/86	9.090	12/28/86	9.127
08/10/84	8.794	02/10/85	8.916	07/14/85	8.669	02/22/86	9.087	01/03/87	9.130
08/17/84	8.810	02/17/85	8.925	07/21/85	8.669	03/02/86	9.105	01/11/87	9.142
08/23/84	8.828	02/24/85	8.931	07/28/85	8.663	03/16/86	9.114	05/08/87	8.895
09/09/84	8.849	03/03/85	8.941	08/04/85	8.663	03/22/86	9.123	07/28/87	8.733
09/20/84	8.870	03/10/85	8.941	08/11/85	8.663	03/29/86	9.075	06/26/88	8.840
10/15/84	8.785	03/17/85	8.944	08/13/85	8.666	04/05/86	9.062	07/09/88	8.849
10/17/84	8.770	03/24/85	8.913	08/18/85	8.657	04/13/86	9.038	08/26/88	8.907
10/24/84	8.819	03/31/85	8.901	08/25/85	8.657	04/20/86	9.032	09/11/88	8.928
10/31/84	8.785	04/07/85	8.892	09/01/85	8.657	04/27/86	9.008	09/27/88	8.938
11/07/84	8.794	04/14/85	8.883	09/08/85	8.654	05/05/86	8.983	06/08/89	8.830
11/16/84	8.782	04/21/85	8.852	09/15/85	8.648	05/09/86	9.108	08/03/89	8.793
11/21/84	8.788	04/28/85	8.852	09/22/85	8.651	05/11/86	8.950	09/30/89	8.928
11/30/84	8.794	05/05/85	8.806	09/29/85	8.651	05/19/86	9.242	10/21/89	8.935
12/05/84	8.810	05/12/85	8.733	10/06/85	8.654	06/15/86	8.950	03/27/91	9.131
12/13/84	8.822	05/19/85	8.706	10/13/85	8.663	06/29/86	8.944	06/25/91	8.989
12/23/84	8.834	05/26/85	8.700	10/20/85	8.663	07/09/86	8.962		
12/30/84	8.849	06/02/85	8.688	10/27/85	8.660	07/13/86	8.703		
01/06/85	8.861	06/09/85	8.669	01/25/86	8.971	07/21/86	8.709		
01/13/85	8.864	06/16/85	8.669	02/02/86	9.072	11/03/86	9.102		
PROJECT WELL 418D									
10/17/84	8.820	03/03/85	8.881	07/14/85	8.631	03/16/86	8.485	01/03/87	8.500
10/17/84	8.915	03/10/85	8.881	07/21/85	8.625	03/22/86	8.494	01/11/87	8.531
10/24/84	8.759	03/17/85	8.884	07/28/85	8.604	04/05/86	8.430	05/08/87	8.832
10/31/84	8.735	03/24/85	8.872	08/04/85	8.598	04/13/86	8.415	07/28/87	8.680
11/07/84	8.723	03/31/85	8.854	08/11/85	8.613	04/20/86	8.396	06/26/88	8.784
11/16/84	8.695	04/07/85	8.848	08/13/85	8.604	04/27/86	8.381	07/09/88	8.418
11/21/84	8.732	04/14/85	8.835	08/18/85	8.619	05/05/86	8.329	08/26/88	8.823
11/30/84	8.741	04/21/85	8.829	08/25/85	8.619	05/09/86	8.479	09/11/88	8.875
12/05/84	8.756	04/28/85	8.796	09/01/85	8.628	05/11/86	8.293	09/27/88	8.884
12/13/84	8.756	05/05/85	8.750	09/08/85	8.631	05/19/86	8.613	01/14/89	8.918

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 418D--Continued									
12/23/84	8.774	05/12/85	8.683	09/15/85	8.634	05/29/86	8.445	06/08/89	8.772
12/30/84	8.790	05/19/85	8.655	09/22/85	8.640	06/15/86	8.296	08/03/89	8.834
01/06/85	8.805	05/26/85	8.634	09/29/85	8.640	06/29/86	8.287	09/30/89	8.871
01/13/85	8.811	06/02/85	8.628	10/06/85	8.652	07/09/86	8.305	10/21/89	8.871
01/29/85	8.857	06/09/85	8.607	10/13/85	8.652	07/13/86	8.643	03/16/91	9.096
02/03/85	8.857	06/16/85	8.576	10/20/85	8.662	07/21/86	8.649	03/27/91	9.081
02/10/85	8.863	06/18/85	8.616	10/27/85	8.665	11/03/86	8.454	06/25/91	8.646
02/17/85	8.869	06/30/85	8.549	02/22/86	8.460	12/14/86	8.406		
02/24/85	8.878	07/07/85	8.570	03/02/86	8.476	12/28/86	8.494		
PROJECT WELL 418E									
03/16/91	9.054	03/27/91	9.038	06/25/91	8.913				
PROJECT WELL 419A									
07/25/84	8.203	01/13/85	8.356	06/09/85	8.170	10/27/85	8.185	07/09/86	8.191
08/03/84	8.536	01/29/85	8.380	06/16/85	8.155	01/25/86	8.243	07/13/86	8.188
08/10/84	8.353	02/03/85	8.389	06/30/85	8.136	02/02/86	8.258	07/21/86	8.197
08/17/84	8.377	02/10/85	8.405	07/07/85	8.149	02/08/86	8.289	11/03/86	8.274
08/23/84	8.386	02/17/85	8.417	07/14/85	8.149	02/15/86	8.292	12/14/86	8.237
09/09/84	8.618	02/24/85	8.423	07/21/85	8.146	02/22/86	8.301	12/28/86	8.325
09/20/84	8.591	03/03/85	8.429	07/28/85	8.143	03/02/86	8.313	01/03/87	8.322
10/17/84	8.246	03/10/85	8.432	08/04/85	8.149	03/09/86	8.313	01/11/87	8.338
10/17/84	8.365	03/17/85	8.432	08/11/85	8.143	03/16/86	8.319	05/08/87	8.386
10/24/84	8.295	03/24/85	8.402	08/13/85	8.152	03/22/86	8.325	07/28/87	8.219
10/31/84	8.277	03/31/85	8.386	08/18/85	8.155	03/29/86	8.280	06/26/88	8.322
11/07/84	8.258	04/07/85	8.380	08/25/85	8.161	04/05/86	8.258	07/09/88	8.350
11/16/84	8.264	04/14/85	8.380	09/01/85	8.161	04/13/86	8.243	08/26/88	8.399
11/21/84	8.267	04/21/85	8.374	09/08/85	8.164	04/20/86	8.228	09/24/88	8.493
11/30/84	8.267	04/28/85	8.341	09/15/85	8.161	04/27/86	8.210	01/14/89	8.228
12/05/84	8.274	05/05/85	8.295	09/22/85	8.158	05/05/86	8.185	06/08/89	8.688
12/13/84	8.304	05/12/85	8.225	09/29/85	8.173	05/11/86	8.139	08/03/89	9.105
12/23/84	8.313	05/19/85	8.213	10/06/85	8.173	05/19/86	8.197	09/30/89	8.515
12/30/84	8.338	05/26/85	8.194	10/13/85	8.182	06/15/86	8.179	10/21/89	8.811
01/06/85	8.350	06/02/85	8.188	10/20/85	8.182	06/29/86	8.170		
PROJECT WELL 419B									
10/17/84	8.727	03/10/85	8.795	07/28/85	8.508	02/22/86	8.657	11/03/86	8.727
10/24/84	8.663	03/17/85	8.795	08/04/85	8.502	03/02/86	8.666	12/14/86	8.682
10/31/84	8.599	03/24/85	8.758	08/11/85	8.511	03/09/86	8.676	12/28/86	8.685
11/07/84	8.624	03/31/85	8.752	08/13/85	8.508	03/16/86	8.685	01/03/87	8.694
11/16/84	8.630	04/07/85	8.746	08/18/85	8.520	03/22/86	8.685	01/11/87	8.712
11/21/84	8.633	04/14/85	8.740	08/25/85	8.511	03/29/86	8.639	05/08/87	8.743
11/30/84	8.648	04/21/85	8.737	09/01/85	8.514	04/05/86	8.621	07/28/87	8.572
12/05/84	8.660	04/28/85	8.703	09/08/85	8.523	04/13/86	8.602	06/26/88	8.685
12/13/84	8.666	05/05/85	8.685	09/15/85	8.526	04/20/86	8.587	07/09/88	8.718
12/23/84	8.688	05/12/85	8.584	09/22/85	8.532	04/27/86	8.572	08/26/88	8.755
12/30/84	8.700	05/19/85	8.581	09/29/85	8.532	05/05/86	8.542	09/24/88	8.810
01/06/85	8.709	05/26/85	8.572	10/06/85	8.538	05/11/86	8.529	01/14/89	8.919
01/13/85	8.718	06/02/85	8.560	10/13/85	8.548	05/19/86	8.502	06/08/89	8.700
01/29/85	8.743	06/09/85	8.557	10/20/85	8.545	06/13/86	8.511	08/03/89	8.757
02/03/85	8.758	06/16/85	8.545	10/27/85	8.551	06/15/86	8.508	09/30/89	8.796
02/10/85	8.767	06/30/85	8.523	01/25/86	8.627	06/29/86	8.502	10/21/89	8.792

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 419B--Continued									
02/17/85	8.779	07/07/85	8.526	02/02/86	8.636	07/09/86	8.514		
02/24/85	8.785	07/14/85	8.535	02/08/86	8.645	07/13/86	8.542		
03/03/85	8.791	07/21/85	8.520	02/15/86	8.654	07/21/86	8.554		
PROJECT WELL 419C									
10/17/84	8.754	03/10/85	8.818	07/21/85	8.538	02/15/86	8.681	11/03/86	8.446
10/24/84	8.690	03/17/85	8.821	07/28/85	8.535	02/22/86	8.690	12/14/86	8.413
10/31/84	8.660	03/24/85	8.784	08/04/85	8.535	03/02/86	8.699	12/28/86	8.720
11/07/84	8.647	03/31/85	8.775	08/11/85	8.538	03/09/86	8.699	01/03/87	8.730
11/16/84	8.650	04/07/85	8.769	08/13/85	8.531	03/16/86	8.705	01/11/87	8.733
11/21/84	8.653	04/14/85	8.766	08/18/85	8.544	03/22/86	8.717	05/08/87	8.775
11/30/84	8.669	04/21/85	8.760	08/25/85	8.541	03/29/86	8.675	05/28/87	8.605
12/05/84	8.684	04/28/85	8.730	09/01/85	8.547	04/05/86	8.656	06/27/88	8.717
12/13/84	8.693	05/05/85	8.693	09/08/85	8.556	04/13/86	8.632	07/09/88	8.751
12/23/84	8.714	05/12/85	8.614	09/15/85	8.547	04/20/86	8.617	08/26/88	8.791
12/30/84	8.720	05/19/85	8.574	09/22/85	8.571	04/27/86	8.602	09/24/88	8.842
01/06/85	8.730	05/26/85	8.568	09/29/85	8.577	05/05/86	8.571	01/14/89	8.885
01/13/85	8.739	06/02/85	8.556	10/06/85	8.586	05/11/86	8.547	06/08/89	8.732
01/29/85	8.766	06/09/85	8.538	10/13/85	8.599	05/19/86	8.528	08/03/89	8.792
02/03/85	8.781	06/16/85	8.535	10/20/85	8.599	06/15/86	8.541	09/30/89	8.831
02/10/85	8.791	06/18/85	8.541	10/27/85	8.595	06/29/86	8.531	10/21/89	8.838
02/17/85	8.803	06/30/85	8.522	01/25/86	8.650	07/09/86	8.541		
02/24/85	8.806	07/07/85	8.525	02/02/86	8.666	07/13/86	8.574		
03/03/85	8.815	07/14/85	8.538	02/08/86	8.510	07/21/86	8.583		
PROJECT WELL 420B									
07/25/84	8.613	01/06/85	8.735	05/26/85	8.571	10/06/85	8.580	05/11/86	8.540
08/03/84	8.638	01/13/85	8.741	06/02/85	8.549	10/13/85	8.589	05/19/86	8.522
08/10/84	8.653	01/29/85	8.769	06/09/85	8.546	10/20/85	8.589	06/15/86	8.619
08/17/84	8.671	02/03/85	8.781	06/16/85	8.537	10/27/85	8.598	06/29/86	8.610
08/23/84	8.683	02/10/85	8.787	06/30/85	8.519	01/25/86	8.653	07/09/86	8.632
09/09/84	8.720	02/17/85	8.796	07/07/85	8.522	02/02/86	8.665	07/13/86	8.571
09/20/84	8.680	02/24/85	8.805	07/14/85	8.537	02/08/86	8.677	07/21/86	8.574
10/17/84	8.747	03/03/85	8.811	07/21/85	8.531	02/15/86	8.711	11/03/86	8.815
10/17/84	8.629	03/10/85	8.815	07/28/85	8.528	02/22/86	8.690	12/14/86	8.769
10/24/84	8.677	03/17/85	8.815	08/04/85	8.525	03/02/86	8.696	12/28/86	8.717
10/31/84	8.659	03/24/85	8.784	08/11/85	8.534	03/09/86	8.699	01/03/87	8.732
11/07/84	8.644	03/31/85	8.778	08/13/85	8.528	03/16/86	8.711	01/11/87	8.833
11/16/84	8.650	04/07/85	8.769	08/18/85	8.531	03/19/86	8.665	07/08/88	8.741
11/21/84	8.653	04/14/85	8.769	08/25/85	8.540	03/22/86	8.714	03/17/91	9.038
11/30/84	8.668	04/21/85	8.763	09/01/85	8.543	04/05/86	8.650	03/27/91	9.024
12/05/84	8.680	04/28/85	8.729	09/08/85	8.549	04/13/86	8.622		
12/13/84	8.690	05/05/85	8.686	09/15/85	8.562	04/20/86	8.616		
12/23/84	8.711	05/12/85	8.604	09/22/85	8.558	04/27/86	8.592		
12/30/84	8.720	05/19/85	8.598	09/29/85	8.571	05/05/86	8.574		
PROJECT WELL 420C									
07/25/84	8.570	12/23/84	8.707	05/12/85	8.732	09/22/85	8.658	04/27/86	8.594
07/25/84	8.601	12/30/84	8.719	05/19/85	8.719	09/29/85	8.652	05/05/86	8.555
08/03/84	8.631	01/06/85	8.729	05/26/85	8.695	10/06/85	8.668	05/11/86	8.537

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 420C--Continued									
08/10/84	8.655	01/13/85	8.738	06/02/85	8.683	10/13/85	8.658	05/19/86	8.524
08/17/84	8.671	01/29/85	8.768	06/09/85	8.683	10/20/85	8.655	06/15/86	8.555
08/23/84	8.683	02/03/85	8.777	06/16/85	8.677	10/27/85	8.655	06/29/86	8.549
09/09/84	8.716	02/10/85	8.786	06/30/85	8.655	01/25/86	8.649	07/09/86	8.570
09/20/84	8.729	02/17/85	8.796	07/07/85	8.652	02/02/86	8.662	07/13/86	8.573
10/17/84	8.759	02/24/85	8.802	07/14/85	8.665	02/08/86	8.674	07/21/86	8.576
10/17/84	8.744	03/03/85	8.811	07/21/85	8.665	02/15/86	8.680	11/03/86	8.738
10/24/84	8.677	03/10/85	8.814	07/28/85	8.668	02/22/86	8.689	12/14/86	8.726
10/31/84	8.652	03/17/85	8.823	08/04/85	8.665	03/02/86	8.695	12/28/86	8.719
11/07/84	8.643	03/24/85	8.786	08/11/85	8.658	03/09/86	8.698	01/03/87	8.722
11/16/84	8.640	03/31/85	8.783	08/13/85	8.530	03/16/86	8.707	01/11/87	8.790
11/21/84	8.652	04/07/85	8.768	08/18/85	8.668	03/19/86	8.671	07/08/88	8.741
11/30/84	8.668	04/14/85	8.768	08/25/85	8.668	03/22/86	8.713	03/17/91	9.035
12/05/84	8.668	04/21/85	8.762	09/01/85	8.658	04/05/86	8.646	03/27/91	9.021
12/13/84	8.686	04/28/85	8.726	09/08/85	8.655	04/13/86	8.625		
12/13/84	8.655	05/05/85	8.683	09/15/85	8.658	04/20/86	8.598		
PROJECT WELL 426[1]									
05/05/87	-0.193	06/01/89	-0.315						
PROJECT WELL 427									
05/05/87	0.061	06/01/89	0.057	10/29/89	0.265				
PROJECT WELL 502									
09/08/89	10.304	10/27/89	10.342	03/09/91	10.625	03/30/91	10.644	06/11/91	10.457
PROJECT WELL 503									
08/13/85	5.397	05/05/87	5.662	06/01/89	5.508	03/09/91	5.860		
08/20/85	5.388	06/08/88	5.565	09/08/89	5.604	03/30/91	5.846		
01/18/86	5.516	06/27/88	5.555	10/27/89	5.617	06/11/91	5.662		
PROJECT WELL 504									
08/13/85	5.384	05/05/87	5.640	06/01/89	5.577	03/09/91	5.849		
08/20/85	5.372	06/08/88	5.481	09/08/89	5.594	03/30/91	5.835		
01/18/86	5.506	06/27/88	5.478	10/27/89	5.604	06/11/91	5.634		
PROJECT WELL 505									
03/11/86	9.362	06/27/88	9.407	10/27/89	9.519				
05/05/87	9.484	09/08/89	9.493	03/09/91	9.766				
PROJECT WELL 506									
06/18/85	8.604	06/26/88	8.775	09/27/88	8.866	09/30/89	8.866	03/27/91	9.079
08/13/85	8.537	07/08/88	8.683	01/14/89	8.912	10/21/89	8.878	06/27/91	8.939
05/07/87	8.830	07/28/88	8.824	06/08/89	8.764	10/26/89	8.881		
07/28/87	8.677	08/26/88	8.830	08/03/89	8.821	03/09/91	9.088		
PROJECT WELL 507									
06/18/85	9.062	06/26/88	9.245	06/08/89	9.232	10/26/89	9.346		
08/13/85	9.050	07/08/88	9.267	08/03/89	9.289	03/11/91	9.557		
05/07/87	9.300	08/26/88	9.312	09/30/89	9.329	03/27/91	9.553		
07/26/87	9.337	01/14/89	9.379	10/21/89	9.333	06/27/91	9.428		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 508									
06/18/85	6.486	07/26/87	6.340	07/28/88	6.702	10/21/89	6.729	03/27/91	6.956
08/13/85	6.480	06/26/88	6.653	09/27/88	6.754	10/26/89	6.762	06/17/91	6.803
05/07/87	6.705	07/08/88	6.681	08/03/89	6.701	03/11/91	6.963		
PROJECT WELL 509									
06/18/85	8.364	06/26/88	8.537	09/27/88	8.635	09/30/89	8.622	03/27/91	8.836
08/13/85	8.336	07/08/88	8.556	01/14/89	8.668	10/21/89	8.622		
05/07/87	8.583	07/28/88	8.577	06/08/89	8.523	10/26/89	8.639		
07/28/87	8.653	08/26/88	8.568	08/03/89	8.570	03/16/91	8.847		
PROJECT WELL 510									
06/18/85	9.156	04/09/88	9.284	09/11/88	9.399	06/03/89	9.361	01/19/91	9.602
08/13/85	9.140	06/19/88	9.320	09/25/88	9.427	06/08/89	9.311	03/16/91	9.628
01/10/87	9.281	06/26/88	9.326	11/29/88	9.436	08/23/89	9.408	03/26/91	9.617
05/07/87	9.372	06/28/88	9.326	01/14/89	9.451	09/30/89	9.411	06/21/91	9.360
07/28/87	8.598	07/08/88	9.348	04/07/89	9.454	10/21/89	9.407		
11/09/87	9.217	07/28/88	9.378	04/15/89	9.416	10/26/89	9.427		
04/02/88	9.274	08/26/88	9.396	05/10/89	9.323	10/30/89	9.423		
PROJECT WELL 511									
06/18/85	8.913	08/26/88	9.151	06/08/89	9.065	09/30/89	9.167	03/27/91	9.375
08/13/85	8.904	09/11/88	9.108	08/03/89	9.110	10/21/89	9.179	06/25/91	9.224
05/08/87	9.120	09/27/88	9.169	08/07/89	9.130	03/16/91	9.388		
PROJECT WELL 512									
06/18/85	8.820	06/26/88	8.987	07/26/88	9.085	10/21/89	9.077	06/25/91	9.140
08/13/85	8.808	06/28/88	8.987	08/26/88	9.030	03/16/91	9.300		
05/08/87	9.036	07/08/88	9.015	09/30/89	9.076	03/27/91	9.287		
PROJECT WELL 513									
06/18/85	9.101	02/28/88	9.287	07/28/88	9.314	04/15/89	9.365	10/21/89	9.371
08/13/85	9.086	04/02/88	9.317	08/26/88	9.339	05/10/89	9.281	10/30/89	9.307
05/26/87	9.275	04/05/88	9.259	09/11/88	9.357	06/08/89	9.259	01/19/91	9.551
07/28/87	9.159	04/09/88	9.241	11/29/88	9.393	08/03/89	9.306	03/16/91	9.583
11/08/87	9.125	06/26/88	9.265	01/14/89	9.403	08/23/89	9.350	03/26/91	9.569
02/27/88	9.287	07/08/88	9.184	04/07/89	9.405	09/30/89	9.358	06/25/91	9.427
PROJECT WELL 514									
06/18/85	9.362	07/26/88	9.704	09/27/88	9.688	10/21/89	9.781		
08/13/85	9.347	07/28/88	9.649	06/08/89	9.582	03/16/91	9.908		
05/07/87	9.646	08/26/88	9.658	08/03/89	9.635	03/27/91	9.891		
07/08/88	9.606	09/25/88	9.698	09/30/89	9.678	06/17/91	9.734		
PROJECT WELL 515A									
06/18/85	9.556	12/28/87	9.656	07/28/88	9.775	04/07/89	9.854	10/21/89	9.812
08/13/85	9.553	04/02/88	9.717	08/26/88	9.797	04/15/89	9.817	10/26/89	9.826
01/10/87	9.638	04/05/88	9.705	09/11/88	9.891	05/10/89	9.723	10/30/89	9.820
05/07/87	9.763	04/09/88	9.684	09/25/88	9.827	06/08/89	9.711	03/16/91	10.028
07/28/87	9.635	06/19/88	9.733	09/27/88	9.821	08/03/89	9.764	03/26/91	10.012
08/10/87	9.577	06/26/88	9.717	11/29/88	9.818	08/23/89	9.808	06/21/91	9.864
11/28/87	9.656	07/08/88	9.760	01/14/89	9.851	09/30/89	9.810		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 515B									
06/18/85	9.506	11/19/87	9.603	05/24/88	9.634	08/26/88	9.749	08/03/89	9.723
08/13/85	9.445	01/17/88	9.780	05/30/88	9.615	09/11/88	9.771	08/23/89	9.766
05/07/87	9.728	02/27/88	9.432	06/06/88	9.649	09/25/88	9.786	09/30/89	9.773
07/28/87	9.475	02/28/88	9.432	06/16/88	9.649	09/27/88	9.777	10/21/89	9.772
08/10/87	9.655	03/20/88	9.698	06/19/88	9.646	11/29/88	9.792	10/26/89	9.781
08/24/87	9.597	04/02/88	9.673	06/19/88	9.673	01/14/89	9.804	10/30/89	9.782
09/12/87	9.615	04/05/88	9.637	06/26/88	9.679	04/07/89	9.814	03/16/91	9.991
09/26/87	9.548	04/09/88	9.640	07/06/88	9.701	04/15/89	9.778	03/26/91	9.973
10/11/87	9.566	04/30/88	9.615	07/08/88	9.719	05/10/89	9.688	06/21/91	9.786
11/07/87	9.539	05/09/88	9.640	07/28/88	9.725	06/08/89	9.672		
PROJECT WELL 516									
06/18/85	9.184	06/26/88	10.114	09/11/88	10.205	05/10/89	10.123	10/26/89	10.220
08/13/85	9.946	07/08/88	10.156	09/27/88	10.211	06/08/89	10.106	03/16/91	10.420
05/07/87	10.166	07/28/88	10.172	01/14/89	10.224	08/03/89	10.158	03/26/91	10.404
07/28/87	10.019	08/26/88	10.181	04/15/89	10.208	10/21/89	10.234	06/21/91	10.260
PROJECT WELL 517									
06/18/85	8.169	06/26/88	8.330	09/11/88	8.425	06/08/89	8.328	10/26/89	8.442
08/13/85	8.160	07/08/88	8.367	09/27/88	8.431	08/03/89	8.200	03/16/91	8.643
05/07/87	8.385	07/28/88	8.388	01/14/89	8.455	09/30/89	8.428	03/26/91	8.634
07/28/87	8.266	08/26/88	8.400	05/10/89	8.349	10/21/89	8.429		
PROJECT WELL 518A									
06/18/85	8.904	02/28/88	9.099	08/26/88	9.145	06/08/89	9.070	03/16/91	9.393
08/13/85	8.889	04/02/88	9.084	09/25/88	9.184	08/03/89	9.117	03/26/91	9.379
05/26/87	9.074	04/05/88	9.071	11/29/88	9.206	08/26/89	9.160	06/14/91	9.312
07/28/87	8.968	04/09/88	9.053	01/14/89	9.209	09/30/89	9.168		
09/27/87	9.035	06/26/88	9.078	04/07/89	9.220	10/21/89	9.173		
10/10/87	8.953	07/08/88	9.108	04/15/89	9.177	10/30/89	9.154		
11/08/87	8.983	07/28/88	9.132	05/10/89	9.093	01/19/91	9.361		
PROJECT WELL 519									
06/18/85	9.034	06/26/88	9.208	01/14/89	9.348	09/30/89	9.300		
08/13/85	9.022	07/08/88	9.238	05/10/89	9.220	10/21/89	9.302		
07/28/87	9.095	07/28/88	9.272	06/08/89	9.201	03/16/91	9.534		
11/08/87	9.125	08/26/88	9.281	08/03/89	9.249	03/27/91	9.518		
PROJECT WELL 520									
06/18/85	8.859	05/26/88	9.064	08/26/88	9.131	09/30/89	9.152		
08/13/85	8.875	06/26/88	9.064	01/14/89	9.201	10/21/89	9.158		
07/28/87	8.948	07/08/88	9.091	06/08/89	9.055	03/17/91	9.379		
11/08/87	8.972	07/26/88	9.119	08/03/89	9.100	03/27/91	9.365		
PROJECT WELL 521									
06/18/85	8.044	05/07/87	8.288	06/26/88	8.218	01/14/89	8.361	03/26/91	8.525
08/13/85	8.029	07/28/87	8.090	07/28/88	8.276	03/11/91	8.547		
PROJECT WELL 523									
06/18/85	6.250	11/07/87	6.351	06/27/88	6.433	04/07/89	6.574	09/30/89	6.539
08/13/85	6.290	11/19/87	6.366	07/06/88	6.479	04/15/89	6.536	10/19/89	6.539
05/06/87	6.516	02/28/88	6.375	07/08/88	6.482	05/13/89	6.448	01/19/91	6.733
08/24/87	6.315	04/09/88	6.421	07/28/88	6.479	06/01/89	6.431	03/09/91	6.767

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 523--Continued									
08/28/87	6.266	04/30/88	6.680	08/26/88	6.503	08/03/89	6.292	03/26/91	6.757
09/26/87	6.430	06/06/88	6.635	09/25/88	6.546	08/23/89	6.519	06/14/91	6.589
10/11/87	6.351	06/19/88	6.644	01/14/89	6.589	09/08/89	6.824		
PROJECT WELL 524									
08/13/85	10.713	03/11/86	10.875	06/26/88	10.902	10/29/89	11.131		
01/20/86	10.792	05/05/87	10.951	06/01/89	10.967				
PROJECT WELL 525									
08/13/85	2.482	06/08/88	2.622	10/29/89	2.716				
05/05/87	2.756	09/08/89	2.702	06/11/91	2.763				
PROJECT WELL 526									
01/19/86	2.338	05/06/87	2.469	03/11/91	2.677				
03/11/86	2.392	10/27/89	2.478	06/11/91	2.472				
PROJECT WELL 527									
05/07/87	10.306	06/19/88	10.196	09/11/88	10.367	08/03/89	10.321	10/29/89	10.371
07/28/87	10.339	06/26/88	10.269	09/27/88	10.315	08/23/89	10.365	03/16/91	10.570
11/08/87	9.967	07/28/88	10.312	04/15/89	10.371	09/30/89	10.367	03/26/91	10.557
06/14/88	10.196	08/26/88	10.345	06/08/89	10.267	10/26/89	10.380	06/21/91	10.422
PROJECT WELL 528									
05/07/87	10.564	07/08/88	10.533	01/14/89	10.649	08/03/89	10.571	10/26/89	10.631
06/10/87	10.387	08/26/88	10.561	04/15/89	10.624	08/23/89	10.615	03/16/91	10.831
07/28/87	10.445	09/27/88	10.625	05/10/89	10.536	09/30/89	10.620	03/26/91	10.815
11/08/87	10.442	11/29/88	10.704	06/08/89	10.517	10/21/89	10.625	06/21/91	10.460
PROJECT WELL 529									
05/07/87	10.187	06/26/88	10.150	09/27/88	10.254	06/08/89	10.150	03/16/91	10.464
07/28/87	10.065	07/08/88	10.187	11/29/88	10.263	08/03/89	10.201	03/26/91	10.452
08/10/87	9.364	07/28/88	10.205	01/14/89	10.282	08/23/89	10.247	06/21/91	10.321
11/08/87	10.071	08/26/88	10.227	04/07/89	10.296	09/30/89	10.254		
01/09/88	10.120	09/11/88	10.248	04/15/89	10.261	10/21/89	10.259		
04/09/88	10.114	09/25/88	10.266	05/10/89	10.172	10/26/89	10.267		
PROJECT WELL 530A									
05/07/87	9.608	04/02/88	9.556	08/26/88	9.620	05/10/89	9.556	10/30/89	9.635
05/26/87	9.550	04/05/88	9.538	09/11/88	9.642	06/08/89	9.544	01/19/91	9.829
07/28/87	9.520	04/09/88	9.520	09/25/88	9.654	08/03/89	9.593	03/16/91	9.861
09/27/87	9.419	06/26/88	9.550	11/29/88	9.666	08/23/89	9.638	03/26/91	9.849
10/10/87	9.425	06/26/88	9.642	01/14/89	9.681	09/30/89	9.644	06/25/91	9.709
11/08/87	9.462	07/08/88	9.578	04/07/89	9.689	10/21/89	9.645		
11/11/87	9.425	07/28/88	9.596	04/15/89	9.648	10/26/89	9.659		
PROJECT WELL 530B									
05/07/87	9.562	04/09/88	9.480	09/11/88	9.599	05/10/89	9.513	10/30/89	9.558
07/28/87	9.212	06/26/88	9.507	09/25/88	9.602	06/08/89	9.500	01/19/91	9.791
10/10/87	9.385	07/08/88	9.532	11/29/88	9.623	08/03/89	9.549	03/16/91	9.770
11/08/87	9.416	07/28/88	9.559	01/14/89	9.642	08/23/89	9.593	03/26/91	9.808
04/02/88	9.523	08/26/88	9.571	04/07/89	9.647	09/30/89	9.597	06/25/91	9.638
04/05/88	9.495	09/11/88	9.629	04/15/89	9.603	10/26/89	9.612		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 530C									
05/07/87	9.542	06/26/88	9.520	11/29/88	9.639	08/03/89	9.565	01/19/91	9.809
07/28/87	9.225	07/08/88	9.551	01/14/89	9.660	08/23/89	9.612	03/16/91	9.837
11/08/87	9.429	07/28/88	9.575	04/07/89	9.662	09/30/89	9.614	03/26/91	9.822
04/02/88	9.532	08/26/88	9.590	04/15/89	9.622	10/21/89	9.630	06/25/91	9.685
04/05/88	9.517	09/11/88	9.615	05/10/89	9.532	10/26/89	9.630		
04/09/88	9.459	09/25/88	9.630	06/08/89	9.518	10/30/89	9.617		
PROJECT WELL 530D									
01/19/91	9.756	03/16/91	9.795	03/26/91	9.772	06/25/91	9.633		
PROJECT WELL 531A									
05/26/87	8.548	04/02/88	9.075	08/26/88	9.142	06/08/89	9.068	03/16/91	9.393
07/28/87	8.969	04/05/88	9.072	09/25/88	9.182	08/03/89	9.126	03/26/91	9.383
09/26/87	8.932	04/09/88	9.048	11/29/88	9.191	08/23/89	9.161	06/25/91	9.231
10/10/87	8.953	06/26/88	9.081	01/14/89	9.209	09/30/89	9.167		
11/08/87	8.987	07/08/88	9.103	04/07/89	9.216	10/21/89	9.169		
02/27/88	9.225	07/28/88	9.139	04/15/89	9.173	10/30/89	9.158		
02/28/88	9.225	08/26/88	9.161	05/10/89	9.081	01/19/91	9.360		
PROJECT WELL 532A									
05/26/87	8.913	04/02/88	8.913	08/26/88	8.980	05/10/89	8.516	10/30/89	9.004
07/28/87	8.788	04/05/88	8.897	09/25/88	9.016	06/08/89	8.898	01/19/91	9.192
09/27/87	8.541	04/09/88	8.870	11/29/88	9.022	08/03/89	8.944	03/17/91	9.225
10/10/87	8.797	06/26/88	8.907	01/14/89	9.047	08/23/89	8.989	03/26/91	9.207
11/08/87	8.818	07/08/88	8.967	04/07/89	9.041	09/30/89	8.995	06/14/91	9.345
02/28/88	8.961	07/28/88	8.958	04/15/89	9.001	10/21/89	8.995		
PROJECT WELL 532B									
05/26/87	8.891	04/05/88	8.882	09/25/88	8.988	06/08/89	8.872	01/19/91	9.167
07/28/87	8.693	04/09/88	8.860	11/29/88	9.001	08/03/89	8.918	03/17/91	9.197
11/08/87	8.796	06/26/88	8.882	01/14/89	9.019	08/23/89	8.965	03/26/91	9.183
02/27/88	8.897	07/08/88	8.912	04/07/89	9.017	09/30/89	8.970	06/14/91	9.034
02/28/88	8.897	07/28/88	8.934	04/15/89	8.976	10/21/89	8.941		
04/02/88	8.891	08/26/88	8.946	05/10/89	8.888	10/30/89	8.930		
PROJECT WELL 532C									
02/27/88	8.959	07/08/88	8.870	01/14/89	8.986	08/03/89	8.888	01/19/91	9.133
02/28/88	8.959	07/28/88	8.822	04/07/89	9.036	08/23/89	8.932	03/16/91	9.174
04/02/88	8.541	08/26/88	8.782	04/15/89	8.945	09/30/89	8.943	03/26/91	9.153
04/09/88	8.831	09/25/88	8.919	05/10/89	8.852	10/21/89	9.117	06/25/91	8.908
06/26/88	8.846	11/29/88	8.956	06/08/89	8.841	10/30/89	8.941		
PROJECT WELL 532D									
05/26/87	8.967	04/05/88	8.934	08/26/88	9.022	06/08/89	8.930	10/30/89	9.041
07/28/87	8.738	04/09/88	8.921	09/25/88	9.043	08/03/89	8.977	01/19/91	9.221
11/08/87	9.153	06/26/88	8.903	11/29/88	9.059	08/23/89	9.022	03/17/91	9.253
02/27/88	9.199	07/08/88	8.964	04/07/89	9.072	09/30/89	9.027	03/26/91	9.242
04/02/88	8.906	07/28/88	8.979	04/15/89	9.033	10/21/89	9.033	06/14/91	8.879
PROJECT WELL 532E									
01/19/91	9.168	03/17/91	9.196	03/26/91	9.180	06/14/91	9.021		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 533B									
05/27/87	8.922	04/09/88	8.906	08/26/88	8.983	08/23/89	9.007	03/26/91	9.225
07/28/87	8.958	06/19/88	8.870	09/25/88	9.028	09/30/89	9.010		
11/08/87	8.836	06/26/88	8.925	11/29/88	9.034	10/30/89	8.991		
04/02/88	8.934	07/08/88	8.943	01/14/89	9.056	01/19/91	9.210		
04/05/88	8.922	07/28/88	8.977	08/03/89	8.960	03/17/91	9.237		
PROJECT WELL 533C									
07/28/87	8.655	04/09/88	8.862	07/08/88	8.911	11/29/88	9.011	09/30/89	8.977
11/08/87	8.795	05/19/88	8.886	08/26/88	8.960	01/14/89	9.033	10/30/89	8.996
04/02/88	8.892	06/19/88	8.886	09/25/88	8.993	08/03/89	8.924	01/19/91	9.185
04/05/88	8.798	06/26/88	8.835	09/27/88	8.993	08/23/89	8.972	03/26/91	9.192
PROJECT WELL 533D									
10/30/89	8.844	01/19/91	9.025	03/17/91	9.056	03/26/91	9.041		
PROJECT WELL 602B									
05/07/87	2.220	08/10/87	2.068	06/01/89	2.129	03/11/91	2.399	06/11/91	2.234
07/28/87	2.052	07/09/88	1.946	10/27/89	2.230	03/30/91	2.362		
PROJECT WELL 602C									
05/07/87	2.245	08/10/87	2.099	06/01/89	2.161	03/30/91	2.395		
07/28/87	2.078	07/09/88	2.008	03/11/91	2.424	06/11/91	2.253		
PROJECT WELL 602D									
05/07/87	2.333	08/10/87	2.193	06/01/89	2.248	03/30/91	2.482		
07/28/87	2.169	07/09/88	2.288	03/11/91	2.517	06/11/91	2.363		
PROJECT WELL 602E									
05/07/87	2.096	08/10/87	1.968	06/01/89	2.019	03/30/91	2.239		
07/28/87	1.949	07/09/88	1.949	03/11/91	2.266	06/11/91	2.080		
PROJECT WELL 603A									
05/07/87	7.039	07/27/88	7.011	04/07/89	7.091	08/23/89	6.877	03/09/91	7.276
05/27/87	6.960	08/26/88	7.024	04/15/89	7.072	09/08/89	7.030	03/26/91	7.268
07/28/87	6.810	09/25/88	7.051	05/13/89	6.956	10/19/89	7.044	03/30/91	7.271
08/10/87	6.789	11/29/88	7.356	06/01/89	6.941	10/27/89	7.051	06/13/91	7.100
11/08/87	6.841	01/14/89	7.097	08/03/89	6.980	01/19/91	7.248		
PROJECT WELL 604B									
07/09/88	6.442	01/14/89	6.558	10/19/89	6.513	03/26/91	6.722		
07/27/88	6.470	08/23/89	5.985	01/19/91	6.708	06/14/91	6.561		
08/26/88	6.479	09/08/89	6.378	03/11/91	6.733				
PROJECT WELL 605									
05/07/87	10.555	07/09/88	10.546	09/27/88	10.610	06/26/89	10.515	10/26/89	10.620
07/28/87	9.537	07/27/88	10.570	11/29/88	10.613	08/03/89	10.560	03/16/91	10.821
10/10/87	10.354	08/26/88	10.588	04/15/89	10.618	08/23/89	10.606	03/26/91	10.805
11/08/87	10.433	09/11/88	10.610	05/10/89	10.530	09/30/89	10.609	06/21/91	7.592
06/26/88	10.515	09/25/88	10.619	06/08/89	10.508	10/21/89	10.623		
PROJECT WELL 606									
05/13/89	6.755	08/23/89	6.834	10/27/89	6.854	03/26/91	7.069		
06/01/89	6.759	09/08/89	6.837	01/19/91	7.054	06/14/91	6.916		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 606--Continued									
08/03/89	6.797	10/19/89	6.855	03/09/91	7.082				
PROJECT WELL 607									
08/03/89	8.785	09/30/89	8.825	03/26/91	9.045	06/25/91	8.898		
PROJECT WELL 701									
06/08/87	2.548	06/26/88	2.561	09/27/88	2.792	10/21/89	2.785	06/17/91	2.768
06/26/87	2.561	07/27/88	2.740	08/03/89	2.728	10/26/89	2.800		
07/28/87	2.408	08/26/88	2.725	09/30/89	2.789	03/11/91	3.004		
PROJECT WELL 702A									
07/28/87	3.466	07/27/88	3.674	01/14/89	3.774	09/30/89	3.721	03/11/91	3.941
06/26/88	3.473	08/26/88	3.695	06/08/89	3.608	10/21/89	3.718	03/27/91	3.929
07/09/88	3.643	09/27/88	3.726	08/03/89	3.675	10/26/89	3.737	06/17/91	3.790
PROJECT WELL 702B									
07/28/87	3.222	08/26/88	3.393	08/03/89	3.376	10/26/89	3.438	06/17/91	3.466
06/26/88	3.329	09/27/88	3.426	09/30/89	3.424	03/11/91	3.651		
07/27/88	3.371	06/08/89	3.323	10/21/89	3.429	03/27/91	3.647		
PROJECT WELL 702C									
03/11/91	3.883	03/27/91	3.875	06/17/91	3.719				
PROJECT WELL 703									
07/28/87	6.965	07/27/88	7.246	06/08/89	7.211	10/21/89	7.294	03/27/91	7.533
06/26/88	7.209	09/27/88	7.319	08/03/89	7.267	10/26/89	7.328	06/27/91	7.386
07/09/88	7.240	01/14/89	7.358	09/30/89	7.311	03/11/91	7.539		
PROJECT WELL 704									
07/27/88	10.534	09/27/88	10.576	08/03/89	10.536	10/21/89	10.595		
08/26/88	10.552	11/29/88	10.476	08/23/89	10.574	10/26/89	10.594		
09/11/88	10.579	04/15/89	10.580	09/11/89	10.579	03/16/91	10.792		
09/25/88	10.588	06/08/89	10.476	09/30/89	10.578	03/26/91	10.772		
PROJECT WELL 705									
07/28/87	9.177	05/10/89	9.332	09/30/89	9.418	01/19/91	9.608		
04/02/88	9.329	06/08/89	9.316	10/21/89	9.421	03/16/91	9.638		
08/26/88	9.399	08/03/89	9.368	10/26/89	9.426	03/26/91	9.620		
09/11/88	9.417	08/23/89	9.413	10/30/89	9.348	06/21/91	8.146		
PROJECT WELL 706A									
06/08/89	8.692	08/03/89	8.745	10/21/89	8.742	06/27/91	8.869		
PROJECT WELL 706B									
10/21/89	9.306	03/11/91	8.989	03/27/91	8.989	06/27/91	8.844		
PROJECT WELL 707A									
05/27/87	6.318	11/19/87	6.355	04/09/88	6.407	07/27/88	6.483	06/15/89	6.404
06/28/87	6.419	11/19/87	6.352	04/30/88	6.385	08/26/88	6.483	08/03/89	6.453
07/02/87	6.172	12/28/87	6.632	05/24/88	6.401	09/25/88	6.526	09/08/89	6.501
08/10/87	6.050	01/17/88	6.690	06/06/88	6.425	11/29/88	6.541	10/19/89	6.518
08/24/87	5.882	01/17/88	6.263	06/19/88	6.428	01/14/89	6.568	10/26/89	6.517
09/12/87	6.263	02/27/88	6.446	06/27/88	6.401	04/07/89	6.547	01/19/91	6.712

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 707A--Continued									
09/26/87	6.294	02/28/88	6.446	06/30/88	6.425	04/15/89	6.512	03/09/91	6.745
10/11/87	6.294	03/20/88	6.459	07/06/88	6.449	05/13/89	6.427	03/26/91	6.734
11/07/87	6.318	04/02/88	6.449	07/09/88	6.468	06/01/89	6.412	06/14/91	6.568
PROJECT WELL 707B									
05/27/87	6.461	04/02/88	6.482	08/26/88	6.531	05/13/89	6.463	10/26/89	6.546
06/02/87	6.192	04/09/88	6.448	09/25/88	6.567	06/01/89	6.453	01/19/91	6.755
06/28/87	6.458	06/19/88	6.461	11/29/88	6.573	08/03/89	6.979	03/09/91	6.792
07/28/87	6.558	06/27/88	6.458	01/14/89	6.607	08/23/89	6.308	03/26/91	6.777
08/10/87	6.296	07/09/88	6.494	04/07/89	6.594	09/08/89	6.537	06/14/91	6.607
02/28/88	6.192	07/27/88	6.512	04/15/89	6.550	10/19/89	6.562		
PROJECT WELL 707C									
05/27/87	6.398	04/09/88	6.517	09/25/88	6.639	06/01/89	6.523	01/19/91	6.826
06/28/87	6.520	06/19/88	6.453	11/29/88	6.654	08/03/89	6.563	03/09/91	6.857
07/28/87	6.410	06/27/88	6.526	01/14/89	6.672	08/23/89	6.587	03/26/91	6.845
08/10/87	6.362	07/09/88	6.581	04/07/89	6.664	09/08/89	6.621	06/14/91	6.682
02/28/88	6.453	07/27/88	6.572	04/15/89	6.623	10/19/89	6.630		
04/02/88	6.554	08/26/88	6.596	05/13/89	6.538	10/26/89	6.629		
PROJECT WELL 707D									
05/27/87	6.329	04/02/88	6.603	07/27/88	6.637	04/15/89	6.667	10/19/89	6.668
06/28/87	6.543	04/09/88	6.558	08/26/88	6.634	05/13/89	6.580	01/19/91	6.869
07/28/87	6.411	04/09/88	6.497	09/25/88	6.680	06/01/89	6.566	03/09/91	6.899
08/10/87	6.408	06/19/88	6.585	11/29/88	6.686	08/03/89	6.602	03/26/91	6.886
02/27/88	6.463	06/27/88	6.582	01/14/89	6.716	08/23/89	6.603	06/14/91	6.722
02/28/88	6.463	07/09/88	6.619	04/07/89	6.702	09/08/89	6.655		
PROJECT WELL 708									
05/27/87	7.052	04/09/88	7.037	09/25/88	7.155	06/01/89	7.037	01/19/91	7.354
05/28/87	7.046	06/19/88	7.055	11/29/88	7.168	08/03/89	7.077	03/09/91	7.383
07/28/87	6.903	06/27/88	7.049	01/14/89	7.198	08/23/89	6.607	03/26/91	7.373
08/10/87	6.765	07/09/88	7.070	04/07/89	7.187	09/08/89	7.128	06/14/91	5.948
02/28/88	7.049	07/27/88	7.104	04/15/89	7.142	10/19/89	7.151		
04/02/88	6.875	08/26/88	7.119	05/13/89	7.055	10/27/89	7.148		
PROJECT WELL 709									
05/28/87	7.288	04/09/88	7.291	09/25/88	7.389	08/03/89	7.310	01/19/91	7.574
07/28/87	7.157	06/19/88	7.285	01/14/89	7.431	08/23/89	6.950	03/09/91	7.611
08/10/87	7.108	06/27/88	7.294	04/07/89	7.425	09/08/89	7.361	03/26/91	7.603
09/14/87	7.075	07/09/88	7.321	04/15/89	7.385	10/19/89	7.378	03/30/91	7.603
02/28/88	7.081	07/27/88	7.340	05/13/89	7.289	10/27/89	7.384	06/13/91	7.425
04/02/88	7.227	08/26/88	7.358	06/01/89	7.273	01/19/91	7.614		
PROJECT WELL 710									
05/28/87	7.580	06/26/88	8.336	08/26/88	8.400	09/30/89	8.422	03/27/91	8.653
10/10/87	8.193	07/09/88	8.339	06/08/89	8.326	10/21/89	8.305	06/27/91	8.647
11/08/87	8.244	07/27/88	8.345	08/03/89	8.377	03/11/91	8.658		
PROJECT WELL 801A									
07/27/88	9.668	09/27/88	9.778	08/03/89	9.724	10/26/89	9.787		
08/26/88	9.750	04/07/89	9.811	08/23/89	9.768	03/16/91	9.992		
09/11/88	9.781	04/15/89	9.776	09/30/89	9.770	03/26/91	9.971		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 801A--Continued									
09/25/88	9.781	06/08/89	9.652	10/21/89	9.776	06/21/91	9.833		
PROJECT WELL 801B									
07/27/88	9.674	09/27/88	9.607	08/03/89	9.665	10/26/89	9.725	06/21/91	9.397
08/26/88	9.686	04/07/89	9.755	08/23/89	9.710	10/30/89	9.731		
09/11/88	9.720	04/15/89	9.717	09/30/89	9.714	03/16/91	9.935		
09/25/88	9.723	06/08/89	9.613	10/21/89	9.716	03/26/91	9.914		
PROJECT WELL 806									
07/27/88	10.100	09/27/88	10.149	08/03/89	10.098	10/26/89	10.165		
08/26/88	10.100	04/15/89	10.149	08/23/89	10.142	03/16/91	10.361		
09/11/88	10.155	05/10/89	10.057	09/30/89	10.144	03/26/91	10.345		
09/25/88	10.146	06/08/89	10.044	10/21/89	10.152	06/21/91	6.473		
PROJECT WELL 807									
03/26/91	10.022	06/21/91	9.989						
PROJECT WELL 808									
10/26/89	9.464	03/16/91	9.671	03/26/91	9.653				
PROJECT WELL 809									
03/16/91	10.057	03/26/91	10.037	06/21/91	8.963				
PROJECT WELL 812									
06/01/89	7.954	10/19/89	8.060	03/11/91	8.286				
08/03/89	7.989	10/27/89	8.068	03/26/91	8.281				
PROJECT WELL 813									
06/01/89	4.580	08/03/89	4.631	10/19/89	4.684	03/11/91	4.904		
PROJECT WELL 815B									
06/01/89	7.666	08/03/89	7.697	10/21/89	7.771	03/09/91	8.005	06/14/91	5.730
PROJECT WELL 816B									
06/01/89	4.667	08/03/89	4.729	10/27/89	4.799	03/30/91	4.999		
06/15/89	4.661	10/19/89	4.790	03/09/91	5.018	06/14/91	4.832		
PROJECT WELL 820									
04/07/89	9.881	05/10/89	9.769	08/23/89	9.837	10/21/89	9.841	03/16/91	10.061
04/15/89	9.855	08/03/89	9.791	09/30/89	9.847	10/26/89	9.855	03/26/91	10.051
PROJECT WELL 910									
05/25/83	7.649	08/23/84	7.560	03/24/85	7.707	09/15/85	7.466	06/15/86	7.448
06/01/83	7.652	08/31/84	7.588	03/31/85	7.707	09/22/85	7.475	06/29/86	7.444
06/06/83	7.664	09/09/84	7.609	04/07/85	7.701	09/27/85	7.478	07/09/86	7.536
06/16/83	7.640	09/20/84	7.624	04/14/85	7.701	10/06/85	7.493	07/13/86	7.472
06/21/83	7.637	10/15/84	7.640	04/21/85	7.701	10/13/85	7.493	07/21/86	7.478
07/12/83	7.545	10/24/84	7.569	04/28/85	7.667	10/20/85	7.515	11/03/86	7.600
07/22/83	7.533	10/31/84	7.588	05/05/85	7.615	10/27/85	7.508	12/14/86	7.606
09/07/83	7.576	11/07/84	7.597	05/12/85	7.536	01/19/86	7.542	12/28/86	7.646
10/21/83	7.588	11/16/84	7.560	05/19/85	7.515	01/25/86	7.566	01/03/87	7.652
02/27/84	7.722	11/21/84	7.563	05/26/85	7.493	02/02/86	7.579	01/11/87	7.664
04/06/84	7.716	11/30/84	7.572	06/02/85	7.444	02/08/86	7.588	05/06/87	7.710

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 910--Continued									
04/13/84	7.402	12/05/84	7.582	06/09/85	7.432	02/15/86	7.603	07/28/87	7.490
04/27/84	7.384	12/13/84	7.597	06/16/85	7.429	02/22/86	7.603	08/10/87	7.487
05/04/84	7.640	12/23/84	7.649	06/30/85	7.402	03/02/86	7.615	10/10/87	7.393
05/28/84	7.630	12/30/84	7.633	07/07/85	7.408	03/09/86	7.618	03/29/88	8.051
06/06/84	7.615	01/06/85	7.640	07/14/85	7.420	03/16/86	7.630	06/27/88	7.630
06/15/84	7.539	01/13/85	7.652	07/21/85	7.399	03/22/86	7.637	05/13/89	7.640
06/21/84	7.466	01/29/85	7.682	07/28/85	7.405	03/29/86	7.579	06/01/89	7.622
06/28/84	7.451	02/03/85	7.697	08/04/85	7.414	04/05/86	7.566	08/03/89	7.656
07/06/84	7.448	02/10/85	7.707	08/11/85	7.420	04/13/86	7.551	10/27/89	7.732
07/18/84	7.466	02/17/85	7.713	08/13/85	7.405	04/20/86	7.539	03/09/91	7.963
07/25/84	7.499	02/24/85	7.725	08/18/85	7.417	04/27/86	7.524	06/14/91	7.786
08/03/84	7.521	03/03/85	7.731	08/25/85	7.435	05/05/86	7.484		
08/10/84	7.536	03/10/85	7.731	09/01/85	7.441	05/11/86	7.463		
08/17/84	7.557	03/17/85	7.737	09/08/85	7.454	05/19/86	7.448		
05/25/83	8.018	08/03/84	7.890	03/03/85	8.088	08/13/85	7.777		
06/01/83	8.018	08/10/84	7.905	03/10/85	8.088	08/18/85	7.811		
06/06/83	8.009	08/17/84	7.924	03/17/85	8.085	08/25/85	7.829		
PROJECT WELL 911									
06/16/83	8.009	08/23/84	7.921	03/24/85	8.079	09/01/85	7.829	04/13/86	7.918
06/21/83	7.991	08/31/84	7.957	03/31/85	8.073	09/08/85	7.835	04/20/86	7.933
07/12/83	7.909	09/09/84	7.969	04/07/85	8.067	09/15/85	7.841	04/27/86	7.887
07/22/83	7.905	09/20/84	7.994	04/14/85	8.067	09/22/85	7.841	05/05/86	7.851
09/07/83	7.936	10/31/84	7.924	04/21/85	8.061	09/27/85	7.845	05/11/86	7.826
10/21/83	7.960	11/07/84	7.918	04/28/85	8.034	10/06/85	7.845	05/19/86	7.811
02/03/84	7.973	11/16/84	7.918	05/05/85	7.982	10/13/85	7.851	06/15/86	7.808
02/27/84	8.082	11/21/84	7.924	05/12/85	7.902	10/20/85	7.860	06/29/86	7.799
04/06/84	8.076	11/30/84	7.902	05/19/85	7.884	10/27/85	7.869	07/09/86	7.826
04/13/84	8.064	12/05/84	7.921	05/26/85	7.860	01/25/86	7.930	07/13/86	7.835
04/27/84	8.049	12/13/84	7.960	06/02/85	7.817	02/02/86	7.936	07/21/86	7.845
05/04/84	8.003	12/23/84	7.979	06/09/85	7.808	02/08/86	7.942	11/03/86	7.896
05/28/84	8.000	12/30/84	7.991	06/16/85	7.793	02/15/86	7.948	12/14/86	7.893
06/06/84	7.982	01/06/85	8.000	06/30/85	7.777	02/22/86	7.966	12/28/86	7.994
06/15/84	7.924	01/13/85	8.012	07/07/85	7.774	03/02/86	7.966	01/03/87	8.000
06/21/84	7.820	01/29/85	8.034	07/14/85	7.768	03/09/86	7.973	01/11/87	8.018
06/28/84	7.820	02/03/85	8.052	07/21/85	7.774	03/16/86	7.985	06/01/89	7.993
07/06/84	7.820	02/10/85	8.067	07/28/85	7.777	03/22/86	7.994	03/11/91	8.333
07/18/84	7.835	02/17/85	8.079	08/04/85	7.793	03/29/86	7.942	03/26/91	8.326
07/25/84	7.863	02/24/85	8.085	08/11/85	7.805	04/05/86	7.936		
PROJECT WELL 912									
05/25/83	8.058	08/03/84	7.909	02/24/85	8.125	08/11/85	7.857	04/05/86	7.979
06/01/83	8.058	08/10/84	7.982	03/03/85	8.134	08/13/85	7.854	04/13/86	7.955
06/06/83	8.057	08/17/84	8.000	03/10/85	8.137	08/18/85	7.860	04/20/86	7.942
06/16/83	8.049	08/23/84	7.997	03/17/85	8.144	08/25/85	7.878	04/27/86	7.930
06/21/83	8.034	09/09/84	8.040	03/24/85	8.131	09/01/85	7.894	05/05/86	7.787
07/12/83	7.961	09/20/84	8.058	03/31/85	8.122	09/08/85	7.906	05/11/86	7.741
07/22/83	7.955	10/17/84	8.061	04/07/85	8.104	09/15/85	7.906	05/19/86	7.851
09/07/83	7.991	10/24/84	7.994	04/14/85	8.104	09/22/85	7.903	06/15/86	7.872
10/21/83	8.009	10/31/84	7.973	04/21/85	8.098	09/27/85	7.912	06/29/86	7.863
02/27/84	8.125	11/07/84	7.961	04/28/85	8.061	10/06/85	7.921	07/09/86	7.881
04/06/84	8.116	11/16/84	7.970	05/05/85	8.016	10/13/85	7.930	07/13/86	7.900

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 912--Continued									
04/13/84	8.104	11/21/84	7.973	05/12/85	7.939	10/20/85	7.939	07/21/86	7.909
04/27/84	8.083	11/30/84	7.985	05/19/85	7.936	10/27/85	7.945	11/03/86	7.994
05/04/84	8.046	12/05/84	7.997	05/26/85	7.936	01/25/86	7.991	12/14/86	7.988
05/28/84	8.046	12/13/84	8.016	06/02/85	7.930	02/02/86	7.991	12/28/86	8.043
06/06/84	8.034	12/23/84	8.031	06/09/85	7.906	02/08/86	7.997	01/03/87	8.049
06/15/84	7.964	12/30/84	8.043	06/16/85	7.881	02/15/86	8.000	01/11/87	8.070
06/21/84	7.894	01/06/85	8.052	06/30/85	7.863	02/22/86	8.006	06/01/89	8.028
06/28/84	7.875	01/13/85	8.061	07/07/85	7.860	03/02/86	8.019	10/27/89	8.145
07/06/84	7.854	01/29/85	8.092	07/14/85	7.863	03/09/86	8.022		
07/17/84	7.906	02/03/85	8.101	07/21/85	7.863	03/16/86	8.031		
07/18/84	7.900	02/10/85	8.113	07/28/85	7.854	03/22/86	8.040		
07/25/84	7.930	02/17/85	8.122	08/04/85	7.851	03/29/86	7.982		
PROJECT WELL 913									
05/25/83	7.261	08/03/84	7.155	02/24/85	7.319	08/11/85	7.066	04/05/86	7.179
06/01/83	7.268	08/10/84	7.170	03/03/85	7.325	08/13/85	7.048	04/13/86	7.158
06/06/83	7.260	08/17/84	7.200	03/10/85	7.344	08/18/85	7.085	04/20/86	7.140
06/16/83	7.249	08/23/84	7.207	03/17/85	7.362	08/25/85	7.106	04/27/86	7.124
06/21/83	7.240	09/09/84	7.274	03/24/85	7.322	09/01/85	7.106	05/05/86	7.097
07/12/83	7.164	09/20/84	7.255	03/31/85	7.319	09/08/85	7.109	05/11/86	7.072
07/22/83	7.155	10/17/84	7.261	04/07/85	7.307	09/15/85	7.115	05/19/86	7.051
09/07/83	7.197	10/24/84	7.197	04/14/85	7.307	09/22/85	7.121	06/15/86	7.094
10/21/83	7.210	10/31/84	7.173	04/21/85	7.298	09/27/85	7.133	06/29/86	7.091
02/27/84	7.325	11/07/84	7.161	04/28/85	7.277	10/06/85	7.140	07/09/86	7.106
04/06/84	7.322	11/16/84	7.170	05/05/85	7.216	10/13/85	7.140	07/13/86	7.103
04/13/84	7.313	11/21/84	7.176	05/12/85	7.124	10/20/85	7.146	07/21/86	7.112
04/27/84	7.292	11/30/84	7.182	05/19/85	7.045	10/27/85	7.161	11/03/86	7.258
05/04/84	7.249	12/05/84	7.200	05/26/85	7.216	01/25/86	7.231	12/14/86	7.261
05/28/84	7.240	12/13/84	7.216	06/02/85	7.063	02/02/86	7.191	12/28/86	7.252
06/06/84	7.231	12/23/84	7.234	06/09/85	7.054	02/08/86	7.197	01/03/87	7.255
06/15/84	7.161	12/30/84	7.249	06/16/85	7.057	02/15/86	7.207	01/11/87	7.268
06/21/84	7.079	01/06/85	7.255	06/30/85	7.048	02/22/86	7.219	10/19/89	7.323
06/28/84	7.069	01/13/85	7.265	07/07/85	7.045	03/02/86	7.225	10/27/89	7.333
07/06/84	7.060	01/29/85	7.292	07/14/85	7.054	03/09/86	7.225	03/11/91	7.551
07/17/84	7.106	02/03/85	7.298	07/21/85	7.054	03/16/86	7.240		
07/18/84	7.097	02/10/85	7.307	07/28/85	7.048	03/22/86	7.246		
07/25/84	7.124	02/17/85	7.319	08/04/85	7.048	03/29/86	7.274		
PROJECT WELL 915									
05/25/83	7.243	08/03/84	7.179	02/10/85	7.283	07/21/85	7.072	03/09/86	7.216
06/01/83	7.243	08/10/84	7.194	02/17/85	7.304	07/28/85	7.072	03/16/86	7.225
06/06/83	7.243	08/17/84	7.222	02/24/85	7.325	08/04/85	7.085	03/22/86	7.225
06/16/83	7.240	08/23/84	7.231	03/03/85	7.332	08/11/85	7.085	03/29/86	7.167
06/21/83	7.229	08/31/84	7.231	03/10/85	7.335	08/13/85	7.079	04/05/86	7.155
07/12/83	7.155	09/09/84	7.249	03/17/85	7.353	08/18/85	7.097	04/13/86	7.161
07/22/83	7.155	09/20/84	7.258	03/24/85	7.307	08/25/85	7.112	04/20/86	7.124
09/07/83	7.197	10/17/84	7.268	03/31/85	7.301	09/01/85	7.112	04/27/86	7.106
10/21/83	7.200	10/31/84	7.170	04/07/85	7.286	09/08/85	7.124	05/05/86	7.076
04/06/84	7.292	11/07/84	7.164	04/14/85	7.286	09/15/85	7.121	05/11/86	7.057
04/13/84	7.280	11/16/84	7.170	04/21/85	7.289	09/22/85	7.124	05/19/86	7.036
04/27/84	7.249	11/21/84	7.179	04/28/85	7.240	09/27/85	7.140	06/15/86	7.079
05/04/84	7.231	11/30/84	7.182	05/05/85	7.191	10/06/85	7.143	06/29/86	7.072

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 915--Continued									
05/28/84	7.231	12/05/84	7.197	05/12/85	7.121	10/13/85	7.155	07/09/86	7.088
06/06/84	7.228	12/13/84	7.185	05/19/85	7.106	10/20/85	7.155	07/13/86	7.106
06/15/84	7.146	12/23/84	7.204	05/26/85	7.085	10/27/85	7.161	07/21/86	7.112
06/21/84	7.066	12/28/84	7.237	06/02/85	7.060	01/25/86	7.182	11/03/86	7.182
06/28/84	7.060	12/30/84	7.216	06/09/85	7.063	02/02/86	7.194	12/14/86	7.185
07/06/84	7.072	01/06/85	7.243	06/16/85	7.069	02/08/86	7.194	01/03/87	7.246
07/17/84	7.121	01/13/85	7.255	06/30/85	7.072	02/15/86	7.197	01/11/87	7.252
07/18/84	7.118	01/29/85	7.286	07/07/85	7.072	02/22/86	7.197	10/27/89	7.311
07/25/84	7.152	02/03/85	7.283	07/14/85	7.076	03/02/86	7.210	03/11/91	7.501
PROJECT WELL 916									
03/29/83	4.322	08/03/84	4.328	03/10/85	4.481	08/18/85	4.216	04/20/86	4.289
05/25/83	4.423	08/10/84	4.344	03/17/85	4.463	08/25/85	4.228	04/27/86	4.274
06/01/83	4.421	08/17/84	4.359	03/24/85	4.463	09/01/85	4.240	05/05/86	4.240
06/06/83	4.417	08/23/84	4.362	03/31/85	4.456	09/08/85	4.243	05/11/86	4.203
06/16/83	4.408	09/09/84	4.386	04/07/85	4.444	09/15/85	4.240	05/19/86	4.200
06/21/83	4.395	09/20/84	4.426	04/14/85	4.444	09/22/85	4.255	06/15/86	4.216
07/12/83	4.310	10/31/84	4.322	04/21/85	4.444	09/29/85	4.267	06/29/86	4.213
07/22/83	4.313	11/07/84	4.316	04/28/85	4.395	10/06/85	4.261	07/09/86	4.237
09/07/83	4.353	11/16/84	4.322	05/05/85	4.338	10/13/85	4.289	07/13/86	4.267
10/21/83	4.359	11/21/84	4.328	05/12/85	4.270	10/20/85	4.289	07/21/86	4.274
02/27/84	4.487	11/30/84	4.341	05/19/85	4.246	10/27/85	4.298	11/03/86	4.222
04/06/84	4.350	12/05/84	4.356	05/26/85	4.231	01/25/86	4.350	12/14/86	4.225
04/13/84	4.447	12/13/84	4.365	06/02/85	4.216	02/02/86	4.353	12/28/86	4.411
04/27/84	4.429	12/23/84	4.389	06/09/85	4.213	02/08/86	4.359	01/03/87	4.420
05/04/84	4.392	12/30/84	4.402	06/16/85	4.216	02/15/86	4.371	01/11/87	4.435
05/28/84	4.395	01/06/85	4.411	06/30/85	4.197	02/22/86	4.380	05/07/87	4.459
06/06/84	4.383	01/13/85	4.417	07/07/85	4.203	03/02/86	4.374	06/01/89	4.375
06/15/84	4.283	01/29/85	4.444	07/14/85	4.231	03/09/86	4.386	06/15/89	4.374
06/21/84	4.228	02/03/85	4.459	07/21/85	4.225	03/16/86	4.399	09/08/89	4.469
06/28/84	4.222	02/10/85	4.463	07/28/85	4.213	03/22/86	4.408	10/19/89	4.489
07/06/84	4.234	02/17/85	4.466	08/04/85	4.206	03/29/86	4.322	10/27/89	4.486
07/18/84	4.274	02/24/85	4.466	08/11/85	4.200	04/05/86	4.319	03/11/91	4.689
07/25/84	4.307	03/03/85	4.472	08/13/85	4.222	04/13/86	4.304		
PROJECT WELL 918									
05/25/83	8.289	09/03/83	8.222	07/18/84	8.082	02/22/86	8.222	10/10/87	8.295
05/28/83	8.256	10/06/83	8.234	10/17/84	8.277	03/02/86	8.234	10/16/87	8.295
05/31/83	8.289	10/12/83	8.207	10/24/84	8.234	03/09/86	8.408	11/27/87	8.335
06/01/83	8.274	10/17/83	8.234	10/25/84	8.265	03/16/86	8.237	01/17/88	7.975
06/03/83	8.265	10/21/83	8.219	10/31/84	8.210	03/22/86	8.250	03/28/88	8.305
06/07/83	8.265	11/07/83	8.183	11/07/84	8.173	03/29/86	8.204	04/02/88	8.301
06/10/83	8.265	11/13/83	8.170	11/15/84	8.173	04/05/86	8.186	04/09/88	8.219
06/14/83	8.265	02/02/84	8.347	11/21/84	8.186	04/14/86	8.161	05/31/88	8.213
06/17/83	8.256	02/03/84	8.262	11/30/84	8.198	04/20/86	8.143	07/19/88	8.256
06/21/83	8.256	02/19/84	8.356	12/05/84	8.213	04/27/86	8.143	07/29/88	8.396
06/23/83	8.247	02/22/84	8.311	12/13/84	8.225	05/05/86	8.109	09/16/88	8.356
06/27/83	8.231	02/27/84	8.338	12/27/84	8.231	05/11/86	8.091	09/22/88	8.356
07/02/83	8.201	04/06/84	8.387	04/11/85	8.308	06/03/86	8.274	11/01/88	8.390
07/06/83	8.195	04/13/84	8.323	05/07/85	8.204	06/15/86	8.079	01/15/89	8.390
07/11/83	8.183	04/27/84	8.298	06/06/85	8.225	06/18/86	8.097	04/02/89	8.301
07/13/83	8.170	05/04/84	8.262	06/26/85	8.061	06/29/86	8.067	09/14/89	8.338

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 918--Continued									
07/19/83	8.170	05/07/84	8.204	08/13/85	8.055	07/09/86	8.094	03/29/91	8.600
07/22/83	8.170	05/28/84	8.247	09/19/85	8.067	11/03/86	8.283		
07/26/83	8.170	06/06/84	8.247	01/25/86	8.195	12/14/86	8.286		
08/01/83	8.186	06/15/84	8.173	02/08/86	8.112	05/19/87	8.323		
08/08/83	8.204	06/21/84	8.103	02/15/86	8.210	07/15/87	7.960		
PROJECT WELL 919									
05/25/83	7.771	08/03/84	7.716	02/24/85	7.853	08/04/85	7.908	03/22/86	7.753
06/01/83	7.770	08/10/84	7.728	03/03/85	7.853	08/11/85	7.914	03/29/86	7.695
06/06/83	7.771	08/17/84	7.750	03/10/85	7.853	08/13/85	7.607	04/05/86	7.686
06/16/83	7.776	08/23/84	7.759	03/17/85	7.850	08/18/85	7.908	04/13/86	7.664
06/21/83	7.753	08/31/84	7.759	03/24/85	7.841	08/25/85	7.905	04/20/86	7.655
07/12/83	7.686	09/09/84	7.774	03/31/85	7.829	09/01/85	7.899	04/27/86	7.640
07/22/83	7.686	09/20/84	7.786	04/07/85	7.811	09/08/85	7.908	05/05/86	7.607
09/07/83	7.695	10/31/84	7.698	04/14/85	7.811	09/15/85	7.914	05/11/86	7.591
10/21/83	7.728	11/07/84	7.692	04/21/85	7.805	09/22/85	7.917	05/19/86	7.558
04/06/84	7.817	11/16/84	7.695	04/28/85	7.768	09/29/85	7.908	06/15/86	7.607
04/13/84	7.811	11/21/84	7.704	05/05/85	7.722	10/06/85	7.902	06/29/86	7.604
04/27/84	7.844	11/30/84	7.707	05/12/85	7.960	10/13/85	7.917	07/09/86	7.628
05/04/84	7.768	12/05/84	7.722	05/19/85	7.930	10/20/85	7.933	07/13/86	7.631
05/28/84	7.762	12/13/84	7.732	05/26/85	7.902	10/27/85	7.939	07/21/86	7.637
06/06/84	7.753	12/23/84	7.750	06/02/85	7.896	01/25/86	7.701	12/28/86	7.753
06/15/84	7.689	12/30/84	7.759	06/09/85	7.896	02/02/86	7.707	01/03/87	7.759
06/21/84	7.597	01/06/85	7.771	06/16/85	7.893	02/08/86	7.716	01/11/87	7.777
06/28/84	7.597	01/13/85	7.783	06/30/85	7.896	02/22/86	7.722	10/27/89	7.842
07/06/84	7.607	01/29/85	7.808	07/07/85	7.911	03/02/86	7.732	03/16/91	8.030
07/17/84	7.704	02/03/85	7.820	07/14/85	7.908	03/09/86	7.738		
07/18/84	7.646	02/10/85	7.829	07/21/85	7.908	03/11/86	7.732		
07/25/84	7.677	02/17/85	7.841	07/28/85	7.911	03/16/86	7.750		
PROJECT WELL 925A									
05/25/83	9.626	09/09/84	9.656	04/28/85	9.629	02/02/86	9.528	04/02/88	9.574
06/01/83	9.626	09/20/84	9.729	05/05/85	9.592	02/08/86	9.528	04/05/88	9.577
06/06/83	9.623	10/15/84	9.559	05/12/85	9.534	02/15/86	9.531	04/09/88	9.562
06/16/83	9.626	10/24/84	9.626	05/19/85	9.501	02/22/86	9.544	04/12/88	9.562
06/21/83	9.614	10/31/84	9.608	05/26/85	9.486	03/02/86	9.553	04/30/88	9.531
07/12/83	9.574	11/07/84	9.598	06/02/85	9.476	03/09/86	9.553	06/19/88	9.604
07/22/83	9.681	11/16/84	9.586	06/09/85	9.467	03/11/86	9.540	06/26/88	9.604
09/07/83	9.617	11/21/84	9.580	06/16/85	9.467	03/16/86	9.565	07/27/88	9.675
10/21/83	9.711	11/30/84	9.592	06/30/85	9.455	03/22/86	9.568	08/26/88	9.699
02/03/84	9.668	12/05/84	9.595	07/07/85	9.461	03/29/86	9.531	09/11/88	9.653
02/27/84	9.690	12/13/84	9.623	07/14/85	9.470	04/05/86	9.528	09/24/88	9.717
04/06/84	9.638	12/23/84	9.623	07/21/85	9.470	04/13/86	9.507	09/25/88	9.723
04/13/84	9.614	12/30/84	9.623	07/28/85	9.480	04/20/86	9.492	09/28/88	9.723
04/27/84	9.598	01/06/85	9.635	08/04/85	9.473	04/27/86	9.483	04/07/89	9.771
05/04/84	9.632	01/13/85	9.635	08/11/85	9.467	05/05/86	9.385	04/15/89	9.743
05/28/84	9.638	01/29/85	9.662	08/13/85	9.476	05/11/86	9.348	05/10/89	9.604
06/06/84	9.635	02/03/85	9.668	08/18/85	9.452	05/19/86	9.449	06/01/89	9.615
06/15/84	9.577	02/10/85	9.675	08/25/85	9.461	06/15/86	9.434	08/03/89	9.695
06/21/84	9.668	02/17/85	9.678	09/01/85	9.458	06/29/86	9.428	08/23/89	9.740
06/28/84	9.653	02/24/85	9.678	09/08/85	9.449	07/09/86	9.461	09/30/89	9.745
07/06/84	9.522	03/03/85	9.699	09/15/85	9.443	07/13/86	9.449	10/21/89	9.747

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 925A--Continued									
07/18/84	9.544	03/10/85	9.711	09/22/85	9.455	07/21/86	9.364	10/27/89	9.759
07/25/84	9.547	03/17/85	9.711	09/29/85	9.455	11/03/86	9.553	11/09/89	9.555
08/03/84	9.592	03/24/85	9.708	10/06/85	9.452	12/14/86	9.547	03/16/91	9.951
08/10/84	9.257	03/31/85	9.696	10/13/85	9.455	12/28/86	9.565	03/24/91	9.940
08/17/84	9.269	04/07/85	9.678	10/20/85	9.467	01/03/87	9.565		
08/23/84	9.281	04/14/85	9.668	10/27/85	9.480	01/11/87	9.589		
08/31/84	9.650	04/21/85	9.653	01/25/86	9.510	05/07/87	9.623		
PROJECT WELL 925B									
02/27/84	8.409	10/31/84	8.302	08/25/85	9.269	04/13/86	9.308	04/30/88	9.333
04/06/84	8.415	11/07/84	8.296	09/01/85	9.260	04/20/86	9.296	06/19/88	9.412
04/13/84	8.385	11/16/84	8.275	09/08/85	9.250	04/27/86	9.217	06/26/88	9.406
04/27/84	8.366	11/21/84	8.290	09/15/85	9.244	05/05/86	9.247	07/27/88	9.473
05/04/84	8.333	11/30/84	8.299	09/22/85	9.247	05/11/86	9.226	08/26/88	9.491
05/28/84	8.342	12/05/84	9.400	09/29/85	9.253	05/19/86	9.192	09/11/88	9.503
06/06/84	8.333	12/13/84	9.415	10/06/85	9.250	06/15/86	9.247	09/24/88	9.509
06/15/84	8.281	05/12/85	9.339	10/13/85	9.263	06/29/86	9.244	09/25/88	9.519
06/21/84	8.229	05/19/85	9.327	10/20/85	9.275	07/09/86	9.269	04/07/89	9.572
06/28/84	8.123	05/23/85	9.305	10/27/85	9.284	07/13/86	9.263	04/15/89	9.521
07/06/84	8.217	06/02/85	9.284	01/25/86	9.327	07/21/86	9.394	05/10/89	9.426
07/18/84	8.248	06/09/85	9.281	02/02/86	9.339	11/03/86	9.351	06/01/89	9.401
07/25/84	8.281	06/16/85	9.275	02/08/86	9.360	12/14/86	9.354	08/03/89	9.488
08/03/84	8.302	06/30/85	9.272	02/15/86	9.348	12/28/86	9.381	08/23/89	9.532
08/10/84	8.315	07/07/85	9.278	02/22/86	9.366	01/03/87	9.378	09/30/89	9.530
08/17/84	8.330	07/14/85	9.275	03/02/86	9.366	01/11/87	9.400	10/21/89	9.537
08/23/84	8.333	07/21/85	9.275	03/09/86	9.369	05/04/87	9.430	10/27/89	9.545
08/31/84	8.351	07/28/85	9.272	03/11/86	9.427	04/02/88	9.415	11/09/89	9.570
09/09/84	8.363	08/04/85	9.275	03/16/86	9.375	04/02/88	9.413	03/16/91	9.734
09/20/84	8.388	08/11/85	9.272	03/22/86	9.378	04/05/88	9.375	03/26/91	9.714
10/15/84	8.394	08/13/85	9.272	03/29/86	9.336	04/09/88	9.327		
10/24/84	8.324	08/18/85	9.266	04/05/86	9.333	04/12/88	9.348		
PROJECT WELL 925C									
02/27/84	9.622	11/30/84	9.597	06/02/85	9.405	02/22/86	9.469	04/09/88	9.497
04/06/84	9.591	12/05/84	9.527	06/09/85	9.405	03/02/86	9.481	04/12/88	9.469
04/13/84	9.591	12/13/84	9.533	06/16/85	9.393	03/09/86	9.484	04/30/88	9.472
04/27/84	9.573	12/23/84	9.545	06/30/85	9.390	03/11/86	9.469	06/19/88	9.536
05/04/84	9.558	12/28/84	9.494	07/07/85	9.387	03/16/86	9.491	06/26/88	9.549
05/28/84	9.552	12/30/84	9.555	07/14/85	9.405	03/22/86	9.497	07/27/88	9.603
06/06/84	9.558	01/06/85	9.564	07/21/85	9.399	03/29/86	9.457	08/26/88	9.628
06/15/84	9.521	01/13/85	9.576	07/28/85	9.399	04/05/86	9.451	09/11/88	9.646
06/21/84	9.460	01/29/85	9.591	08/04/85	9.402	04/13/86	9.433	09/24/88	9.646
06/28/84	9.451	02/03/85	9.597	08/11/85	9.402	04/20/86	9.417	09/25/88	9.649
07/06/84	9.451	02/10/85	9.606	08/13/85	9.390	04/27/86	9.405	04/07/89	9.675
07/18/84	9.472	02/17/85	9.609	08/18/85	9.390	05/05/86	9.366	04/15/89	9.648
07/25/84	9.472	02/24/85	9.619	08/25/85	9.390	05/11/86	9.341	05/10/89	9.573
08/03/84	9.524	03/03/85	9.616	09/01/85	9.393	05/19/86	9.335	06/01/89	9.552
08/10/84	9.542	03/10/85	9.555	09/08/85	9.396	06/15/86	9.360	08/03/89	9.604
08/17/84	9.558	03/17/85	9.549	09/15/85	9.372	06/29/86	9.350	08/23/89	9.649
08/23/84	9.564	03/24/85	9.539	09/22/85	9.375	07/09/86	9.378	09/30/89	9.670
08/31/84	9.573	03/31/85	9.524	09/29/85	9.381	07/13/86	9.375	10/21/89	9.678
09/09/84	9.582	04/07/85	9.509	10/06/85	9.390	07/21/86	9.603	10/27/89	9.687

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 925C--Continued									
09/20/84	9.603	04/14/85	9.509	10/13/85	9.390	11/03/86	9.475	11/09/89	9.682
10/15/84	9.594	04/21/85	9.500	10/20/85	9.402	12/14/86	9.475	03/16/91	9.875
10/24/84	9.552	04/28/85	9.539	10/27/85	9.408	01/03/87	9.494	03/26/91	9.867
10/31/84	9.536	05/05/85	9.524	01/25/86	9.439	01/11/87	9.512		
11/07/84	9.524	05/12/85	9.463	02/02/86	9.454	05/07/87	9.555		
11/16/84	9.512	05/19/85	9.423	02/08/86	9.460	04/02/88	9.552		
11/21/84	9.533	05/26/85	9.402	02/15/86	9.463	04/05/88	9.512		
PROJECT WELL 925D									
03/16/91	9.910	03/26/91	9.891						
PROJECT WELL 926									
05/25/83	8.853	08/10/84	8.865	02/17/85	8.920	08/04/85	8.765	03/22/86	8.792
06/01/83	8.853	08/17/84	8.896	02/24/85	8.923	08/11/85	8.755	03/29/86	8.746
06/06/83	8.856	08/23/84	8.890	03/03/85	8.923	08/13/85	8.719	04/05/86	8.743
06/16/83	8.850	08/31/84	8.902	03/10/85	8.926	08/18/85	8.746	04/13/86	8.719
06/21/83	8.847	09/09/84	8.911	03/17/85	8.926	08/25/85	8.737	04/20/86	8.710
07/12/83	8.801	09/20/84	8.926	03/24/85	8.911	09/01/85	8.740	04/27/86	8.698
07/22/83	8.809	10/15/84	8.902	03/31/85	8.902	09/08/85	8.713	05/05/86	8.661
09/07/83	8.853	10/24/84	8.844	04/07/85	8.880	09/15/85	8.716	05/11/86	8.634
10/21/83	8.826	10/31/84	8.826	04/14/85	8.874	09/22/85	8.716	05/19/86	8.631
02/27/84	8.908	11/07/84	8.819	04/21/85	8.865	09/29/85	8.710	06/15/86	8.688
04/06/84	8.902	11/16/84	8.813	04/28/85	8.826	10/06/85	8.701	06/29/86	8.685
04/13/84	8.889	11/21/84	8.813	05/05/85	8.795	10/13/85	8.710	07/09/86	8.707
04/27/84	8.874	11/30/84	8.819	05/12/85	8.804	10/20/85	8.710	07/13/86	8.707
05/04/84	7.902	12/05/84	8.829	05/19/85	8.795	10/27/85	8.725	07/21/86	8.719
05/28/84	8.862	12/13/84	8.780	05/26/85	8.774	01/25/86	8.743	11/03/86	8.780
06/06/84	8.859	12/13/84	8.835	06/02/85	8.755	02/02/86	8.762	12/14/86	8.783
06/15/84	8.789	12/23/84	8.823	06/09/85	8.749	02/08/86	8.762	12/28/86	8.795
06/21/84	8.743	12/30/84	8.853	06/16/85	8.755	02/15/86	8.774	01/03/87	8.801
06/28/84	8.734	01/06/85	8.865	06/30/85	8.759	02/22/86	8.774	01/11/87	8.786
07/06/84	8.759	01/13/85	8.865	07/07/85	8.774	03/02/86	8.783		
07/18/84	8.792	01/29/85	8.887	07/14/85	8.780	03/09/86	8.783		
07/25/84	8.847	02/03/85	8.899	07/21/85	8.774	03/11/86	8.777		
08/03/84	8.856	02/10/85	8.911	07/28/85	8.771	03/16/86	8.792		
PROJECT WELL 927									
05/25/83	7.378	08/10/84	7.396	03/03/85	7.466	08/11/85	7.235	03/22/86	7.360
06/01/83	7.378	08/17/84	7.418	03/10/85	7.473	08/13/85	7.229	03/29/86	7.293
06/06/83	7.378	08/23/84	7.430	03/17/85	7.473	08/18/85	7.241	04/05/86	7.290
06/16/83	7.374	08/31/84	7.381	03/24/85	7.445	08/25/85	7.247	04/13/86	7.274
06/21/83	7.360	09/09/84	7.393	03/31/85	7.439	09/01/85	7.247	04/20/86	7.259
07/12/83	7.296	09/20/84	7.406	04/07/85	7.421	09/08/85	7.259	04/27/86	7.250
07/22/83	7.308	10/31/84	7.299	04/14/85	7.415	09/15/85	7.259	05/05/86	7.213
09/07/83	7.342	11/07/84	7.299	04/21/85	7.390	09/22/85	7.256	05/11/86	7.192
02/27/84	7.445	11/16/84	7.302	04/28/85	7.363	09/27/85	7.262	05/19/86	7.174
04/06/84	7.415	11/21/84	7.311	05/05/85	7.314	10/06/85	7.262	06/15/86	7.232
04/13/84	7.406	11/30/84	7.314	05/12/85	7.326	10/13/85	7.274	06/29/86	7.226
04/27/84	7.393	12/05/84	7.332	05/19/85	7.293	10/20/85	7.284	07/09/86	7.244
05/04/84	7.366	12/13/84	7.323	05/26/85	7.259	10/27/85	7.284	07/13/86	7.256
05/28/84	7.366	12/23/84	7.354	06/02/85	7.256	01/25/86	7.314	07/21/86	7.262
06/06/84	7.363	12/30/84	7.375	06/09/85	7.232	02/02/86	7.329	11/03/86	7.104

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 927--Continued									
06/15/84	7.271	01/06/85	7.381	06/16/85	7.223	02/08/86	7.332	12/14/86	7.107
06/21/84	7.207	01/13/85	7.396	06/23/85	7.229	02/15/86	7.342	12/28/86	7.372
06/28/84	7.198	01/29/85	7.418	07/07/85	7.235	02/22/86	7.345	01/03/87	7.357
07/06/84	7.229	02/03/85	7.415	07/14/85	7.229	03/02/86	7.348	01/11/87	7.390
07/18/84	7.351	02/10/85	7.418	07/21/85	7.220	03/09/86	7.351	03/11/91	7.606
07/25/84	7.311	02/17/85	7.445	07/28/85	7.226	03/11/86	7.345		
08/03/84	7.716	02/24/85	7.457	08/04/85	7.235	03/16/86	7.363		
PROJECT WELL 954A									
05/10/89	10.283	08/23/89	10.356	10/21/89	9.358	03/16/91	10.565	06/21/91	9.231
08/03/89	10.310	09/30/89	10.360	10/26/89	10.371	03/26/91	10.546		
PROJECT WELL 954B									
08/03/89	10.365	09/30/89	10.411	10/26/89	10.426	03/26/91	10.598		
08/23/89	10.409	10/21/89	10.411	03/16/91	10.610	06/21/91	8.374		
PROJECT WELL 955A									
05/10/89	10.445	08/03/89	10.476	09/30/89	10.531	10/27/89	10.541	03/26/91	10.759
06/01/89	10.436	08/23/89	10.521	10/21/89	10.526	03/16/91	10.762		
PROJECT WELL 955B									
06/01/89	10.500	08/23/89	10.597	10/21/89	10.603	03/16/91	10.828		
08/03/89	10.556	09/30/89	10.602	10/27/89	10.612	03/26/91	10.823		
PROJECT WELL 956									
08/03/89	6.194	10/27/89	6.260	03/30/91	6.475				
10/19/89	6.255	03/09/91	6.487	06/14/91	6.308				
PROJECT WELL 957A									
03/09/91	4.309	06/14/91	3.906						
PROJECT WELL 957B									
03/09/91	4.304	06/14/91	4.114						
PROJECT WELL 983									
10/10/90	1.393	10/26/90	1.228	06/11/91	1.045				
PROJECT WELL 984									
10/10/90	6.724	10/26/90	6.721	06/11/91	6.598				
PROJECT WELL 9001									
10/10/90	8.863	10/26/90	8.865	03/16/91	8.942	06/25/91	8.778		
PROJECT WELL 9002									
10/10/90	2.477	10/26/90	2.464	06/11/91	2.334				
PROJECT WELL 9003									
10/10/90	Dry	10/26/90	0.793	03/09/91	Dry	06/11/91	0.528		
PROJECT WELL 9004									
10/10/90	5.176	10/26/90	5.160	03/09/91	5.250	06/11/91	5.050		
PROJECT WELL 9005									
10/10/90	3.472	10/26/90	3.445	03/09/91	3.532	06/11/91	3.314		

Table 3.--Water levels in observation wells during 1983 through 1991--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
PROJECT WELL 9006									
10/10/90	5.648	10/26/90	5.636	03/09/91	5.724	03/16/91	9.212	06/11/91	5.507
PROJECT WELL 9007									
10/10/90	Dry	10/26/90	Dry	03/09/91	Dry	06/11/91	0.744		
PROJECT WELL 9008									
10/10/90	Dry	10/26/90	Dry	06/11/91	1.279				
PROJECT WELL 9009									
10/10/90	Dry	10/26/90	Dry	06/11/91	0.450				
PROJECT WELL 9010									
10/10/90	Dry	10/26/90	Dry	03/09/91	Dry	03/30/91	Trace	06/11/91	0.600
PROJECT WELL 9011									
10/10/90	Dry	10/26/90	0.177						
PROJECT WELL 9012									
10/10/90	Dry	10/26/90	Dry	03/09/91	Dry				
PROJECT WELL 9019									
10/10/90	7.593	10/26/90	7.611	03/09/91	7.674	03/27/91	7.670	06/17/91	7.403
PROJECT WELL 9020									
10/10/90	8.157	10/26/90	8.159	03/16/91	8.225	06/25/91	6.830		
PROJECT WELL 9021									
10/10/90	5.739	10/26/90	5.723	03/09/91	5.824	03/30/91	5.796	06/11/91	5.617
PROJECT WELL 9025									
10/10/90	9.035	10/26/90	9.035	03/16/91	9.104	03/27/91	9.097	06/25/91	8.704
PROJECT WELL 9026									
10/10/90	9.295	10/26/90	9.299	03/27/91	9.352	06/25/91	9.208		
PROJECT WELL 9027									
10/10/90	4.404	10/26/90	4.424	03/09/91	4.490	03/27/91	4.470	06/17/91	4.300

[1] A negative number for the water level indicates that the water level is above land surface in the well casing.

Table 4.--Water and oil levels in observation wells during 1983 to 1991

[Water and oil levels in meters below land-surface datum; Date, month/day/year; --, not measured; -, oil not present; Film, trace of oil on water surface]

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 301A											
06/03/83	7.606	6.554	11/07/84	7.377	6.524	07/14/85	7.057	6.447	05/05/86	7.249	6.475
06/03/83	7.621	--	11/15/84	7.395	6.530	07/21/85	7.063	6.441	05/11/86	7.170	6.435
06/08/83	--	6.594	11/21/84	7.395	6.542	07/28/85	7.072	6.438	05/19/86	7.103	6.444
06/08/83	7.642	--	11/30/84	7.435	6.545	08/04/85	7.090	6.447	06/15/86	7.173	6.450
06/16/83	--	6.597	12/05/84	7.468	6.554	08/11/85	7.087	6.447	06/29/86	7.167	6.444
06/21/83	--	6.554	12/13/84	7.490	6.548	08/13/85	7.103	6.441	07/09/86	7.179	6.460
07/12/83	--	6.527	12/23/84	7.554	6.581	08/18/85	7.081	6.441	07/13/86	7.185	6.484
07/27/83	--	6.521	12/30/84	7.575	6.588	08/25/85	7.081	6.438	07/21/86	7.246	6.484
09/07/83	7.572	6.542	01/06/85	7.627	6.591	09/01/85	7.078	6.435	11/03/86	7.450	6.539
10/21/83	--	6.554	01/13/85	7.657	6.591	09/08/85	7.090	6.444	12/28/86	7.660	6.581
02/27/84	--	6.661	01/29/85	7.660	6.618	09/15/85	7.103	6.450	01/03/87	7.667	6.591
04/06/84	--	6.645	02/03/85	7.664	6.630	09/22/85	7.115	6.457	01/11/87	7.670	6.600
04/13/84	--	6.639	02/10/85	7.660	6.636	09/27/85	7.136	6.460	02/28/88	7.648	6.569
04/27/84	--	6.621	02/17/85	7.657	6.642	10/06/85	7.158	6.469	04/02/88	7.645	6.569
05/04/84	7.563	6.612	03/10/85	7.657	6.661	10/13/85	7.170	6.475	04/30/88	7.478	6.545
05/28/84	--	6.606	03/24/85	7.682	6.636	10/20/85	7.179	6.475	06/06/88	7.572	6.557
06/06/84	7.511	6.591	03/31/85	7.673	6.630	10/27/85	7.191	6.478	06/19/88	7.636	6.569
06/15/84	7.276	6.545	04/07/85	7.660	6.624	01/25/86	7.478	6.539	07/06/88	7.645	6.569
06/21/84	7.173	6.487	04/14/85	7.660	6.621	02/02/86	7.499	6.545	07/28/88	7.636	6.645
06/28/84	7.142	6.469	04/21/85	7.660	6.618	02/08/86	7.511	6.551	08/26/88	7.639	6.591
07/06/84	7.139	6.469	04/25/85	7.721	6.700	02/15/86	7.536	6.554	11/29/88	7.648	6.700
07/18/84	7.197	6.487	04/28/85	7.630	6.591	02/22/86	7.563	6.569	08/03/89	7.438	6.664
08/03/84	7.319	6.536	05/05/85	7.496	6.566	03/02/86	7.621	6.581	09/08/89	7.612	6.682
08/10/84	7.365	6.542	05/12/85	7.273	6.508	03/06/86	7.587	6.572	10/19/89	7.660	6.691
08/17/84	7.478	6.566	05/19/85	7.258	6.499	03/09/86	7.609	6.575	11/17/89	7.657	6.709
08/23/84	7.475	6.569	05/26/85	7.164	6.472	03/22/86	7.630	6.585	01/08/90	7.660	6.746
08/31/84	7.481	6.569	06/02/85	7.139	6.463	03/29/86	7.523	6.548	04/13/90	7.670	6.792
09/09/84	7.539	6.578	06/09/85	7.133	6.450	04/05/86	7.481	6.536	06/26/90	7.639	6.716
09/20/84	7.590	6.594	06/16/85	7.057	6.432	04/13/86	7.496	6.496	01/19/91	7.676	6.853
10/24/84	7.438	6.548	06/30/85	7.057	6.435	04/20/86	7.383	6.511	03/09/91	7.660	6.889
10/31/84	7.386	6.533	07/07/85	7.057	6.429	04/27/86	7.334	6.502	03/29/91	7.657	6.895
PROJECT WELL 302A											
06/01/83	6.673	-	11/16/84	6.576	-	06/02/85	6.466	-	03/02/86	6.622	-
06/03/83	6.652	-	11/21/84	6.576	-	06/09/85	6.460	-	03/09/86	6.628	-
06/16/83	6.661	-	11/30/84	6.594	-	06/23/85	6.439	-	03/16/86	6.637	-
06/21/83	6.652	-	12/05/84	6.606	-	06/30/85	6.439	-	03/22/86	6.643	-
07/12/83	6.573	-	12/13/84	6.619	-	07/07/85	6.439	-	03/29/86	6.594	-
07/22/83	6.567	-	12/23/84	6.643	-	07/14/85	6.436	-	04/05/86	6.646	-
09/07/83	6.603	-	12/30/84	6.652	-	07/21/85	6.445	-	04/13/86	6.567	-
10/21/83	6.622	-	01/06/85	6.658	-	07/28/85	6.433	-	04/20/86	6.545	-
02/27/84	6.734	-	01/13/85	6.667	-	08/04/85	6.423	-	04/27/86	6.530	-
04/06/84	6.725	-	01/29/85	6.698	-	08/11/85	6.420	-	05/05/86	6.500	-
04/13/84	6.725	-	02/03/85	6.704	-	08/13/85	6.451	-	05/11/86	6.491	-
04/27/84	6.704	-	02/10/85	6.716	-	08/18/85	6.436	-	05/19/86	6.487	-
05/04/84	6.655	-	02/17/85	6.716	-	08/25/85	6.436	-	06/15/86	6.500	-
05/28/84	6.649	-	02/24/85	6.719	-	09/01/85	6.417	-	06/29/86	6.491	-
06/06/84	6.628	-	03/03/85	6.725	-	09/08/85	6.420	-	07/09/86	6.509	-
06/15/84	6.567	-	03/10/85	6.731	-	09/15/85	6.420	-	07/13/86	6.497	-

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 302A--Continued											
06/21/84	6.494	-	03/17/85	6.740	-	09/22/85	6.430	-	07/21/86	6.503	-
07/18/84	6.506	-	03/24/85	6.713	-	09/29/85	6.439	-	11/03/86	6.463	-
07/18/84	6.506	-	03/24/85	6.713	-	09/29/85	6.439	-	12/14/86	6.469	-
07/25/84	6.536	-	03/31/85	6.710	-	10/06/85	6.454	-	12/28/86	6.646	-
08/03/84	6.561	-	04/07/85	6.701	-	10/13/85	6.466	-	01/03/87	6.655	-
08/10/84	6.582	-	04/14/85	6.689	-	10/20/85	6.500	-	01/11/87	6.792	-
08/17/84	6.594	-	04/21/85	6.680	-	10/27/85	6.524	-	01/19/91	6.939	6.936
08/23/84	6.619	-	04/28/85	6.667	-	01/22/86	6.594	-	03/09/91	6.969	6.969
09/09/84	6.643	-	05/05/85	6.606	-	01/25/86	6.585	-	04/14/91	6.937	6.935
09/20/84	6.619	-	05/12/85	6.536	-	02/08/86	6.603	-			
10/31/84	6.579	-	05/19/85	6.533	-	02/15/86	6.606	-			
11/07/84	6.567	-	05/26/85	6.497	-	02/22/86	6.616	-			
PROJECT WELL 306											
06/03/83	7.580	6.340	10/24/84	7.462	6.325	06/02/85	7.212	6.236	03/09/86	7.605	6.358
06/03/83	7.568	6.361	10/31/84	7.455	6.303	06/09/85	7.193	6.236	03/16/86	7.602	6.358
06/08/83	7.580	6.398	11/07/84	7.440	6.294	06/16/85	7.245	6.233	03/22/86	7.605	6.367
06/16/83	--	6.392	11/15/84	7.443	6.309	06/30/85	7.117	6.212	03/29/86	8.309	6.331
06/21/83	--	6.376	11/21/84	7.428	6.319	07/07/85	7.117	6.212	04/05/86	7.471	6.322
07/12/83	--	6.306	11/30/84	7.452	6.328	07/14/85	7.132	6.218	04/13/86	7.440	6.309
07/27/83	--	6.300	12/05/84	7.483	6.337	07/21/85	7.120	6.215	04/20/86	6.312	6.309
09/07/83	7.541	6.349	12/13/84	7.513	6.343	07/28/85	7.117	6.212	04/27/86	7.361	6.285
10/21/83	--	6.334	12/23/84	7.590	6.367	08/04/85	7.117	6.215	05/05/86	7.279	6.261
04/06/84	--	6.425	12/30/84	7.590	6.367	08/11/85	7.120	6.215	05/11/86	7.242	6.215
04/13/84	--	6.422	01/06/85	7.583	6.370	08/13/85	7.138	6.221	05/19/86	7.184	6.221
04/27/84	--	6.407	01/13/85	7.593	6.370	08/18/85	7.117	6.218	06/15/86	7.199	6.236
05/04/84	7.565	6.386	01/29/85	7.596	6.401	08/25/85	7.117	6.218	06/29/86	7.196	6.233
05/28/84	--	6.392	02/03/85	7.577	6.389	09/01/85	7.114	6.218	07/09/86	6.904	6.248
06/06/84	7.516	6.373	02/10/85	7.599	6.422	09/08/85	7.117	6.227	07/13/86	7.263	6.264
06/15/84	7.346	6.340	02/17/85	7.580	6.410	09/15/85	7.120	6.233	07/21/86	7.282	6.270
06/21/84	7.227	6.251	03/10/85	7.587	6.447	09/22/85	7.126	6.239	11/03/86	7.489	6.477
06/28/84	7.236	6.236	03/17/85	7.574	6.437	09/27/85	7.135	6.239	12/28/86	7.632	6.334
07/06/84	7.209	6.239	03/24/85	7.590	6.419	10/06/85	7.154	6.248	01/03/87	7.635	6.373
07/18/84	7.215	6.270	03/31/85	7.590	6.410	10/13/85	7.175	6.258	01/11/87	7.635	6.373
08/03/84	7.251	6.312	04/07/85	7.590	6.398	10/20/85	7.199	6.267	10/19/89	7.638	6.477
08/06/84	7.343	--	04/14/85	7.590	6.398	10/27/85	7.227	6.279	06/26/90	7.651	6.483
08/10/84	7.373	6.325	04/21/85	7.590	6.398	01/25/86	7.483	6.270	01/19/91	7.681	6.651
08/17/84	7.489	6.346	04/28/85	7.590	6.370	02/02/86	7.507	6.486	03/09/91	7.672	6.684
08/23/84	7.483	6.343	05/05/85	7.593	6.364	02/08/86	7.519	6.337	04/14/91	7.700	6.669
08/31/84	7.498	6.352	05/12/85	7.340	6.282	02/15/86	7.547	6.340			
09/09/84	7.544	6.361	05/19/85	7.334	6.276	02/22/86	7.574	6.355			
09/20/84	7.577	6.376	05/26/85	7.257	6.264	03/02/86	7.623	6.367			
PROJECT WELL 309A											
05/25/83	1.433	--	11/30/84	1.485	1.387	07/21/85	1.296	1.271	04/20/86	1.198	--
06/16/83	1.335	--	12/05/84	1.500	1.408	07/28/85	1.283	1.253	04/27/86	1.226	--
06/21/83	--	1.337	12/13/84	1.518	1.445	08/04/85	1.287	1.253	05/05/86	1.128	--
07/27/83	--	1.344	12/23/84	1.573	1.488	08/11/85	1.283	1.250	05/11/86	1.095	--
09/07/83	1.570	1.357	12/30/84	1.588	1.500	08/13/85	1.210	1.180	05/19/86	1.213	--
02/27/84	--	1.369	01/06/85	1.567	1.524	08/18/85	1.299	1.265	06/15/86	1.348	1.344
04/06/84	--	1.207	01/13/85	1.579	1.527	08/25/85	1.308	1.274	06/29/86	1.344	1.338
04/13/84	--	1.274	01/29/85	1.622	1.582	09/01/85	1.305	1.274	07/09/86	1.354	1.351

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 309A--Continued											
04/27/84	--	1.244	02/03/85	1.625	1.588	09/08/85	1.314	1.299	07/13/86	1.332	1.323
05/04/84	--	1.363	02/10/85	1.640	1.610	09/15/85	1.360	1.317	07/21/86	1.408	1.354
05/28/84	--	1.299	03/03/85	1.655	1.628	09/22/85	1.384	1.332	11/03/86	1.841	1.439
06/06/84	1.415	1.277	03/10/85	1.646	1.622	09/29/85	1.387	1.341	12/28/86	1.774	1.524
06/07/84	1.387	1.244	03/17/85	1.713	1.424	10/06/85	1.378	1.357	01/03/87	1.674	1.543
06/21/84	1.351	1.204	03/24/85	1.396	Film	10/13/85	1.375	1.366	01/11/87	1.786	1.549
06/28/84	1.387	1.241	03/31/85	1.375	Film	10/20/85	1.387	1.378	05/08/87	--	1.451
07/06/84	1.387	1.244	04/07/85	1.332	Film	10/27/85	1.393	1.387	07/28/88	1.725	1.573
07/18/84	1.585	1.363	04/14/85	1.274	Film	01/25/86	1.482	1.479	08/26/88	1.869	1.451
08/03/84	1.911	1.427	04/21/85	1.226	Film	02/02/86	1.485	1.482	08/03/89	1.783	1.357
08/10/84	1.576	1.119	04/28/85	1.073	Film	02/08/86	1.488	1.485	10/19/89	1.985	1.412
08/17/84	2.009	1.439	05/05/85	1.183	Film	02/15/86	1.500	1.497	11/17/89	1.872	1.527
08/23/84	2.009	1.442	05/12/85	1.146	-	02/28/86	1.488	1.485	01/08/90	1.978	1.640
08/31/84	1.994	1.454	05/19/85	1.159	-	02/28/86	1.515	1.485	02/26/90	2.006	1.683
09/09/84	2.042	1.482	05/26/85	1.192	-	03/02/86	1.509	1.506	01/19/91	2.256	1.729
09/20/84	2.073	1.503	06/02/85	1.235	1.229	03/09/86	1.515	1.512	03/09/91	2.247	1.759
10/24/84	1.177	1.070	06/09/85	1.232	1.226	03/16/86	1.518	1.515	03/29/91	1.872	1.502
10/31/84	1.311	1.207	06/16/85	1.250	1.244	03/22/86	1.378	1.375	04/14/91	1.742	1.377
11/07/84	1.378	1.277	06/30/85	1.247	1.241	03/29/86	1.488	1.485			
11/15/84	1.430	1.332	07/07/85	1.283	1.268	04/05/86	1.088	1.085			
11/21/84	1.454	1.363	07/14/85	1.320	1.296	04/13/86	1.494	1.491			
PROJECT WELL 312											
06/13/83	2.561	--	11/15/84	2.470	1.890	07/14/85	2.317	1.802	04/13/86	2.570	1.851
06/13/83	--	1.964	11/21/84	2.470	1.903	07/21/85	2.305	1.802	04/20/86	2.530	1.845
06/16/83	--	1.960	11/30/84	2.494	1.912	07/28/85	2.302	1.805	04/27/86	2.491	1.860
06/21/83	--	1.948	12/05/84	2.518	1.921	08/04/85	2.311	1.802	05/05/86	2.393	1.796
07/12/83	--	1.874	12/13/84	2.555	1.945	08/11/85	2.314	1.805	05/11/86	2.241	1.756
07/27/83	--	1.881	12/23/84	2.613	1.954	08/13/85	2.332	1.799	05/19/86	2.277	1.778
09/07/83	2.878	1.912	12/30/84	2.634	1.960	08/18/85	2.323	1.802	06/15/86	2.360	1.836
02/27/84	--	2.037	01/06/85	2.652	1.967	08/25/85	2.329	1.805	06/29/86	2.357	1.832
04/06/84	--	1.991	01/13/85	2.683	1.973	09/01/85	2.335	1.799	07/09/86	2.375	1.851
04/13/84	--	1.994	01/29/85	2.707	1.997	09/08/85	2.351	1.808	07/13/86	2.445	1.851
04/27/84	--	1.967	02/03/85	2.723	2.009	09/15/85	2.363	1.814	07/21/86	2.473	1.857
05/04/84	2.613	1.942	02/10/85	2.732	2.015	09/22/85	2.375	1.820	11/03/86	2.604	1.924
05/28/84	--	1.954	03/10/85	2.765	2.040	09/29/85	2.396	1.826	12/28/86	2.613	1.991
06/06/84	2.573	1.939	03/17/85	2.777	2.049	10/06/85	2.402	1.823	01/03/87	2.698	1.994
06/15/84	2.564	1.896	03/24/85	2.738	2.018	10/13/85	2.418	1.845	01/11/87	2.716	1.997
06/21/84	2.226	1.808	03/31/85	2.735	2.043	10/20/85	2.439	1.854	05/08/87	--	2.012
06/28/84	2.253	1.808	04/07/85	2.723	2.000	10/27/85	2.463	1.863	07/28/88	2.744	1.988
07/06/84	2.253	1.814	04/14/85	2.713	1.994	01/25/86	2.558	2.098	08/26/88	2.823	2.000
07/18/84	2.424	1.851	04/21/85	2.713	1.991	02/02/86	2.540	1.927	08/26/88	--	1.988
08/03/84	2.552	1.896	04/28/85	2.649	1.915	02/02/86	2.622	--	08/03/89	2.601	1.976
08/10/84	2.619	2.070	05/05/85	2.579	1.884	02/08/86	2.646	1.930	09/04/89	2.936	2.021
08/17/84	2.034	1.930	05/12/85	2.311	1.836	02/15/86	2.662	1.936	10/19/89	2.713	2.037
08/23/84	2.037	1.933	05/19/85	2.259	1.829	02/22/86	2.683	1.954	11/17/89	2.726	2.052
08/31/84	2.040	1.942	05/26/85	2.244	1.826	03/02/86	2.716	1.960	01/08/90	2.857	2.101
09/09/84	2.674	1.954	06/02/85	2.210	1.817	03/09/86	2.713	1.948	02/26/90	2.927	2.149
09/20/84	2.692	1.967	06/09/85	2.210	1.808	03/16/86	2.701	1.967	01/19/91	2.905	2.204
10/24/84	2.470	1.857	06/16/85	2.256	1.832	03/22/86	2.726	1.957	03/09/91	2.915	2.247
10/31/84	2.491	1.863	06/30/85	2.265	1.829	03/29/86	2.665	1.857	03/29/91	2.911	2.201
11/07/84	2.479	1.869	07/07/85	2.277	1.817	04/05/86	2.604	1.848	04/14/91	2.851	2.196

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 313[1]											
06/13/83	0.523	-	11/16/84	0.133	-	06/09/85	-0.074	-	03/02/86	0.325	-
06/16/83	0.094	-	11/21/84	0.170	-	06/16/85	-0.077	-	03/16/86	0.283	-
06/21/83	0.115	-	11/30/84	0.167	-	06/30/85	-0.077	-	03/22/86	0.042	-
07/12/83	0.127	-	12/05/84	0.225	-	07/07/85	-0.083	-	03/29/86	0.011	-
09/07/83	0.222	-	12/13/84	0.267	-	07/14/85	-0.089	-	04/05/86	-0.001	-
02/25/84	0.213	-	12/23/84	0.325	-	07/21/85	-0.010	-	04/13/86	0.030	-
02/27/84	0.213	-	12/30/84	0.350	-	07/28/85	0.100	-	04/20/86	0.030	-
04/06/84	0.072	-	01/06/85	0.377	-	08/04/85	0.112	-	04/27/86	0.039	-
04/13/84	0.078	-	01/13/85	Frozen	-	08/11/85	0.100	-	05/05/86	0.014	-
04/27/84	0.057	-	01/29/85	Frozen	-	08/13/85	0.051	-	05/11/86	-0.013	-
05/04/84	0.173	-	02/03/85	Frozen	-	08/18/85	0.112	-	05/19/86	0.033	-
05/28/84	0.216	-	02/10/85	Frozen	-	08/25/85	0.124	-	06/15/86	0.167	-
06/06/84	0.051	-	02/17/85	Frozen	-	09/01/85	0.130	-	06/29/86	0.155	-
06/15/84	0.014	-	02/24/85	Frozen	-	09/08/85	0.139	-	07/09/86	0.170	-
06/21/84	0.042	-	03/10/85	Frozen	-	09/15/85	0.142	-	07/13/86	0.133	-
06/28/84	0.081	-	03/17/85	Frozen	-	09/22/85	0.142	-	07/21/86	0.139	-
07/06/84	0.121	-	03/24/85	Frozen	-	09/29/85	0.210	-	11/03/86	0.142	-
07/18/84	0.261	-	03/31/85	Frozen	-	10/06/85	0.210	-	12/14/86	0.145	-
07/25/84	0.310	-	04/07/85	Frozen	-	10/13/85	0.222	-	12/28/86	0.374	-
08/03/84	0.411	-	04/14/85	Frozen	-	10/20/85	0.228	-	01/03/87	0.408	-
08/10/84	0.310	-	04/21/85	0.350	-	10/27/85	0.228	-	01/11/87	0.420	-
08/17/84	0.338	-	04/28/85	0.267	-	01/25/86	0.280	-	05/08/87	0.246	-
08/23/84	0.353	-	05/05/85	0.261	-	02/02/86	0.280	-	09/04/89	0.414	-
09/09/84	0.411	-	05/12/85	-0.053	-	02/08/86	0.286	-	10/19/89	0.417	0.414
09/20/84	0.456	-	05/19/85	-0.059	-	02/09/86	0.325	-	01/19/91	0.706	-
10/24/84	0.005	-	05/26/85	-0.071	-	02/15/86	0.313	-	06/11/91	0.389	-
11/07/84	0.100	-	06/02/85	-0.074	-	02/22/86	0.322	-			
PROJECT WELL 314											
06/15/83	2.287	--	11/15/84	2.546	2.104	07/14/85	2.418	2.025	04/20/86	2.561	2.070
06/16/83	--	2.208	11/21/84	2.531	2.113	07/21/85	2.381	2.016	04/27/86	2.500	2.058
06/21/83	--	2.150	11/30/84	2.552	2.125	07/28/85	2.351	2.009	05/05/86	2.476	2.006
07/12/83	--	2.064	12/05/84	2.573	2.138	08/04/85	2.357	2.006	05/11/86	2.403	1.909
07/27/83	--	2.046	12/13/84	2.598	2.153	08/11/85	2.363	2.009	05/19/86	2.424	1.973
09/07/83	2.732	--	12/23/84	2.634	2.177	08/13/85	2.467	1.988	06/15/86	2.509	2.022
09/27/83	--	2.107	12/29/84	2.647	2.183	08/18/85	2.369	2.013	06/29/86	2.406	1.881
02/27/84	2.241	2.241	01/06/85	2.643	2.192	08/25/85	2.387	2.016	07/09/86	2.515	2.025
04/06/84	--	2.165	01/13/85	2.656	2.198	09/01/85	2.400	2.013	07/13/86	2.567	2.046
04/13/84	--	2.174	01/29/85	2.683	2.188	09/08/85	2.403	2.034	07/21/86	2.665	2.043
04/27/84	--	2.144	02/03/85	2.695	2.244	09/15/85	2.424	2.089	08/13/86	--	1.988
05/04/84	2.811	2.128	02/10/85	2.711	2.259	09/22/85	2.455	2.147	09/20/86	--	2.162
05/28/84	--	2.134	03/10/85	2.720	2.278	09/27/85	2.451	2.125	11/03/86	2.811	2.107
06/06/84	2.839	2.101	03/17/85	2.729	2.290	10/06/85	2.473	2.134	12/28/86	2.802	2.186
06/15/84	2.738	2.061	03/24/85	2.717	2.238	10/13/85	2.482	2.141	01/03/87	2.814	2.198
06/21/84	2.421	2.000	03/31/85	2.689	2.229	10/20/85	2.494	2.141	01/11/87	2.820	2.198
06/28/84	2.360	2.003	04/07/85	2.677	2.214	10/27/85	2.522	2.134	05/08/87	--	2.214
07/06/84	2.360	2.000	04/14/85	2.720	2.198	01/25/86	2.607	2.147	09/04/89	--	2.208
07/18/84	2.476	2.061	04/21/85	2.717	2.198	02/02/86	2.579	2.159	10/19/89	2.933	2.223
08/03/84	2.656	2.113	04/28/85	2.616	2.116	02/08/86	2.619	2.165	11/17/89	2.967	2.235
08/10/84	2.464	2.104	05/05/85	2.610	2.095	02/15/86	2.607	2.168	01/08/90	3.073	2.293
08/17/84	2.768	2.138	05/12/85	2.622	1.997	02/22/86	2.619	2.180	02/26/90	3.159	2.336
08/23/84	2.768	2.131	05/19/85	2.610	1.997	03/02/86	2.622	2.198	01/19/91	3.174	2.394

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 314--Continued											
08/31/84	2.778	2.138	05/26/85	2.586	1.994	03/09/86	2.628	2.192	03/09/91	3.159	2.427
09/09/84	2.802	2.147	06/02/85	2.555	1.997	03/16/86	2.750	2.016	03/29/91	3.130	2.355
09/20/84	2.823	--	06/09/85	2.512	1.994	03/22/86	2.650	2.198	04/14/91	3.145	2.379
10/24/84	2.464	2.055	06/16/85	2.726	1.994	03/29/86	2.528	2.070			
10/31/84	2.515	2.077	06/30/85	2.400	1.997	04/05/86	2.509	2.086			
11/07/84	2.534	2.080	07/07/85	2.409	2.009	04/13/86	2.515	2.074			
PROJECT WELL 315											
07/12/83	--	5.969	11/30/84	7.060	5.978	06/30/85	6.692	5.875	03/16/86	7.146	6.009
07/27/83	--	5.951	12/05/84	7.082	5.994	07/07/85	6.679	5.875	03/22/86	7.161	6.024
09/07/83	--	5.978	12/13/84	7.118	5.997	07/14/85	6.679	5.881	03/29/86	7.124	5.981
04/06/84	--	6.000	12/23/84	7.130	6.009	07/21/85	6.716	5.866	04/05/86	7.048	5.981
04/13/84	--	6.067	12/30/84	7.137	6.015	07/28/85	6.713	5.866	04/13/86	7.009	5.966
04/27/84	--	6.055	01/06/85	7.127	6.021	08/04/85	6.710	5.872	04/20/86	6.984	5.951
05/04/84	7.118	6.018	01/13/85	7.130	6.030	08/11/85	6.707	5.869	04/27/86	6.954	5.942
05/28/84	--	6.030	01/29/85	7.137	6.045	08/13/85	6.679	5.884	05/05/86	6.902	5.899
06/06/84	7.127	6.018	02/03/85	7.137	6.051	08/18/85	6.682	5.875	05/11/86	6.856	5.853
06/15/84	6.957	5.975	02/10/85	7.137	6.064	08/25/85	6.676	5.875	05/19/86	6.692	5.881
06/21/84	6.835	5.899	02/17/85	7.137	6.073	09/01/85	6.673	5.878	06/15/86	6.743	5.896
06/28/84	6.780	5.893	03/10/85	7.140	6.088	09/08/85	6.688	5.884	06/29/86	6.740	5.893
07/06/84	6.737	5.902	03/17/85	7.140	6.091	09/15/85	6.704	5.884	07/09/86	6.746	5.905
07/18/84	6.780	5.930	03/24/85	7.143	6.061	09/22/85	6.728	5.893	07/13/86	6.817	5.923
08/03/84	6.902	5.969	03/31/85	7.140	6.055	09/29/85	6.740	5.893	07/21/86	6.871	5.920
08/10/84	6.975	5.972	04/07/85	7.134	6.036	10/06/85	6.692	5.902	11/03/86	7.082	5.972
08/17/84	7.124	6.000	04/14/85	7.134	6.036	10/13/85	6.777	5.908	12/28/86	7.146	6.015
08/23/84	7.118	5.997	04/21/85	7.137	6.033	10/20/85	6.789	5.911	01/03/87	7.140	6.024
08/31/84	7.118	6.003	04/28/85	7.134	5.997	10/27/85	6.795	5.911	01/11/87	7.152	6.033
09/09/84	7.585	6.304	05/05/85	7.127	5.978	01/25/86	7.106	5.975	10/19/89	7.137	6.119
09/20/84	7.551	6.314	05/12/85	6.996	5.942	02/02/86	7.130	5.981	06/26/90	6.981	6.103
10/24/84	7.021	5.966	05/19/85	6.993	5.939	02/08/86	7.140	5.987	01/19/91	7.121	6.280
10/31/84	6.963	5.954	05/26/85	6.975	5.923	02/15/86	7.134	5.990	03/09/91	7.124	6.457
11/07/84	6.984	5.948	06/02/85	6.856	5.878	02/22/86	7.134	6.000			
11/15/84	7.015	5.960	06/09/85	6.795	5.890	03/02/86	7.140	6.018			
11/21/84	7.021	5.969	06/16/85	6.722	5.878	03/09/86	7.152	6.012			
PROJECT WELL 317											
07/12/83	8.734	-	10/31/84	8.777	-	05/19/85	8.661	-	02/15/86	8.768	-
07/22/83	8.729	-	11/07/84	8.734	-	05/26/85	8.646	-	02/22/86	8.755	-
09/07/83	8.771	-	11/16/84	8.740	-	06/02/85	8.640	-	02/22/86	8.786	-
10/21/83	8.777	-	11/21/84	8.743	-	06/09/85	8.624	-	03/02/86	8.792	-
02/27/84	8.896	-	11/30/84	8.755	-	06/16/85	8.615	-	03/16/86	8.798	-
04/06/84	8.883	-	12/05/84	8.771	-	06/18/85	8.621	-	03/22/86	8.801	-
04/13/84	8.874	-	12/13/84	8.783	-	06/30/85	8.603	-	03/29/86	8.761	-
04/27/84	8.853	-	12/23/84	8.798	-	07/07/85	8.615	-	04/05/86	8.746	-
05/04/84	8.816	-	12/30/84	8.807	-	07/14/85	8.627	-	04/13/86	8.722	-
05/28/84	8.816	-	01/06/85	8.819	-	07/21/85	8.624	-	04/20/86	8.707	-
06/06/84	8.804	-	01/13/85	8.828	-	07/28/85	8.612	-	04/27/86	8.679	-
06/15/84	8.731	-	01/29/85	8.859	-	08/04/85	8.624	-	05/05/86	8.664	-
06/21/84	8.667	-	02/03/85	8.865	-	08/11/85	8.627	-	05/11/86	8.646	-
06/28/84	8.649	-	02/10/85	8.871	-	08/13/85	8.618	-	05/19/86	8.618	-
07/06/84	8.649	-	02/17/85	8.874	-	08/18/85	8.636	-	06/15/86	8.636	-
07/17/84	8.673	-	02/24/85	8.874	-	08/25/85	8.636	-	06/29/86	8.627	-

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 317--Continued											
07/18/84	8.670	-	03/03/85	8.886	-	09/01/85	8.646	-	07/09/86	8.646	-
07/21/84	8.673	-	03/10/85	8.899	-	09/08/85	8.658	-	07/13/86	8.667	-
07/25/84	8.700	-	03/17/85	8.911	-	09/15/85	8.670	-	11/03/86	8.786	-
08/03/84	8.667	-	03/24/85	8.874	-	09/22/85	8.670	-	12/14/86	8.752	-
08/10/84	8.743	-	03/31/85	8.868	-	09/27/85	8.667	-	12/28/86	8.813	-
08/17/84	8.774	-	04/07/85	8.859	-	10/06/85	8.670	-	01/03/87	8.822	-
08/23/84	8.774	-	04/14/85	8.859	-	10/13/85	8.676	-	01/11/87	8.825	-
09/09/84	8.798	-	04/21/85	8.853	-	10/20/85	8.676	-	06/26/90	9.520	8.810
09/09/84	8.828	-	04/28/85	8.816	-	10/27/85	8.682	-	01/19/91	9.548	8.960
10/17/84	8.835	-	05/05/85	8.777	-	01/25/86	8.746	-	03/09/91	9.523	8.990
10/24/84	8.768	-	05/12/85	8.697	-	02/08/86	8.768	-	04/14/91	9.518	8.973
PROJECT WELL 319											
07/12/83	--	6.135	11/21/84	7.223	6.175	06/16/85	7.053	6.065	03/09/86	7.446	6.217
07/27/83	--	6.147	11/30/84	7.257	6.184	06/30/85	7.007	6.062	03/16/86	7.427	6.217
09/07/83	7.458	6.172	12/05/84	7.281	6.190	07/07/85	7.004	6.062	03/22/86	7.473	6.227
02/27/84	--	6.281	12/13/84	7.318	6.202	07/14/85	6.995	6.065	03/29/86	7.744	6.184
04/06/84	--	6.278	12/23/84	7.373	6.211	07/21/85	6.989	6.074	04/05/86	7.345	6.175
04/13/84	--	6.260	12/30/84	7.431	6.220	07/28/85	6.952	6.071	04/13/86	7.229	5.882
04/27/84	--	6.245	01/06/85	7.488	6.223	08/04/85	6.940	6.074	04/20/86	7.263	6.144
05/04/84	7.437	6.217	01/13/85	7.543	6.223	08/11/85	6.925	5.922	04/27/86	7.226	6.132
05/28/84	--	6.223	01/29/85	7.601	6.266	08/13/85	6.952	6.074	05/05/86	7.159	6.105
06/06/84	7.431	6.217	02/03/85	7.626	6.266	08/18/85	6.918	6.071	05/11/86	7.034	6.047
06/15/84	7.242	6.184	02/10/85	7.644	6.266	08/25/85	6.909	6.074	05/19/86	7.059	6.059
06/21/84	7.168	6.083	02/17/85	7.665	6.272	09/01/85	6.903	6.071	06/15/86	7.068	6.196
06/28/84	7.098	6.074	03/10/85	7.732	6.291	09/08/85	6.909	6.086	06/29/86	6.989	6.083
07/06/84	7.046	6.089	03/17/85	7.754	6.303	09/15/85	6.918	6.095	07/09/86	7.013	6.102
07/18/84	7.053	6.123	03/24/85	7.668	6.266	09/22/85	6.915	6.105	07/13/86	6.824	6.163
08/03/84	7.098	6.178	03/31/85	7.671	6.251	09/27/85	6.928	6.108	07/21/86	7.019	6.132
08/10/84	7.193	6.181	04/07/85	7.696	6.242	10/06/85	6.940	6.108	11/03/86	7.232	6.184
08/17/84	7.312	6.105	04/14/85	7.684	6.242	10/13/85	6.964	6.114	12/28/86	7.510	6.220
08/23/84	7.302	6.099	04/21/85	7.668	6.239	10/20/85	6.982	6.114	01/03/87	7.531	6.230
08/31/84	7.318	6.403	04/28/85	7.586	6.208	10/27/85	7.016	6.120	01/11/87	7.549	6.236
09/09/84	7.040	5.931	05/05/85	7.488	6.169	01/25/86	7.309	6.181	10/19/89	7.522	6.327
09/20/84	7.053	5.943	05/12/85	7.336	6.132	02/02/86	7.330	6.187	06/26/90	7.638	6.312
10/24/84	7.318	6.178	05/19/85	7.287	6.114	02/08/86	7.345	6.193	01/19/91	7.815	6.483
10/31/84	7.336	6.129	05/26/85	7.242	6.095	02/15/86	7.360	6.193	03/09/91	7.805	6.510
11/07/84	7.251	6.144	06/02/85	7.138	6.068	02/22/86	7.394	6.208	04/14/91	7.827	6.484
11/15/84	7.235	6.159	06/09/85	7.114	6.068	03/02/86	7.446	6.223			
PROJECT WELL 411											
06/21/84	6.907	5.941	01/29/85	7.401	6.059	08/04/85	6.767	5.877	03/29/86	7.169	5.995
06/28/84	6.864	5.925	02/03/85	7.410	6.069	08/11/85	6.764	5.877	04/05/86	7.160	5.986
07/06/84	6.861	5.928	02/10/85	7.443	6.075	08/13/85	6.761	5.883	04/13/86	7.138	5.965
07/18/84	6.846	5.944	02/17/85	7.468	6.093	08/18/85	6.761	5.874	04/20/86	7.044	5.962
08/03/84	6.974	5.983	03/10/85	7.529	6.102	08/25/85	6.754	5.877	04/27/86	6.992	5.956
08/10/84	7.026	5.992	03/17/85	7.541	6.108	09/01/85	6.751	5.880	05/05/86	6.956	5.919
08/17/84	7.138	--	03/24/85	7.459	6.075	09/08/85	6.757	5.883	05/11/86	6.669	5.852
08/18/84	--	6.020	03/31/85	7.465	6.059	09/15/85	6.779	5.901	05/19/86	6.788	5.886
08/23/84	7.132	6.017	04/07/85	7.519	6.050	09/22/85	6.782	5.904	06/15/86	6.837	5.892
08/31/84	7.148	6.017	04/14/85	7.519	6.050	09/27/85	6.794	5.910	06/29/86	6.834	5.892
09/09/84	7.193	6.029	04/21/85	7.516	6.050	10/06/85	6.806	5.916	07/09/86	6.815	5.904

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 411--Continued											
09/20/84	7.236	6.041	04/28/85	7.462	6.008	10/13/85	6.806	5.916	07/13/86	6.913	5.922
10/24/84	7.242	5.968	05/05/85	7.321	5.989	10/20/85	6.825	5.922	07/21/86	6.931	5.931
10/31/84	7.120	5.962	05/12/85	7.001	5.944	10/27/85	6.840	5.922	11/03/86	7.126	5.986
11/07/84	7.081	5.965	05/19/85	6.943	5.910	01/25/86	7.117	5.999	12/28/86	7.337	6.032
11/15/84	7.078	5.974	05/26/85	6.901	5.907	02/02/86	7.145	5.995	01/03/87	7.349	6.041
11/21/84	7.068	5.983	06/02/85	6.855	5.901	02/08/86	7.157	6.002	01/11/87	7.367	6.044
11/30/84	7.099	5.989	06/09/85	6.837	5.904	02/15/86	7.178	6.005	07/07/88	6.791	--
12/05/84	7.126	5.999	06/16/85	6.794	5.883	02/19/86	7.202	--	10/19/89	7.017	6.133
12/13/84	7.157	6.011	06/30/85	6.773	5.877	02/22/86	--	6.017	06/28/90	6.849	6.120
12/23/84	7.236	6.050	07/07/85	--	5.877	03/02/86	7.260	6.032	01/19/91	6.980	6.297
12/30/84	7.257	6.029	07/14/85	6.825	5.892	03/09/86	7.248	6.023	03/09/91	6.983	6.325
01/06/85	7.297	6.032	07/21/85	6.794	5.877	03/16/86	7.236	6.026	04/14/91	7.009	6.286
01/13/85	7.343	6.035	07/28/85	6.767	5.874	03/22/86	7.282	6.035			
PROJECT WELL 420A											
07/25/84	8.601	-	02/17/85	8.790	-	08/04/85	8.512	-	04/13/86	8.622	-
08/03/84	8.628	-	02/24/85	8.796	-	08/11/85	8.521	-	04/20/86	8.610	-
08/10/84	8.640	-	03/03/85	8.802	-	08/18/85	8.524	-	04/27/86	8.591	-
08/17/84	8.619	-	03/10/85	8.802	-	08/25/85	8.527	-	05/05/86	8.543	-
08/23/84	8.616	-	03/17/85	8.805	-	09/01/85	8.537	-	05/11/86	8.515	-
09/09/84	8.704	-	03/24/85	8.777	-	09/08/85	8.537	-	05/19/86	8.521	-
09/20/84	8.637	-	03/31/85	8.768	-	09/15/85	8.546	-	06/15/86	8.534	-
10/17/84	8.738	-	04/07/85	8.759	-	09/22/85	8.552	-	06/29/86	8.524	-
10/17/84	8.625	-	04/14/85	8.759	-	09/29/85	8.549	-	07/09/86	8.540	-
10/24/84	8.674	-	04/21/85	8.753	-	10/06/85	8.549	-	07/13/86	8.564	-
10/31/84	8.646	-	04/28/85	8.720	-	10/13/85	8.552	-	07/21/86	8.573	-
11/07/84	8.634	-	05/05/85	8.677	-	10/20/85	8.558	-	11/03/86	8.701	-
11/16/84	8.643	-	05/12/85	8.604	-	10/27/85	8.564	-	12/14/86	8.655	-
11/21/84	8.588	-	05/19/85	8.601	-	01/25/86	8.613	-	12/28/86	8.707	-
11/30/84	8.659	-	05/26/85	8.585	-	02/02/86	8.659	-	01/03/87	8.720	-
12/05/84	8.668	-	06/02/85	8.579	-	02/08/86	8.622	-	01/11/87	8.726	-
12/13/84	8.680	-	06/09/85	8.567	-	02/15/86	8.674	-	07/08/88	8.735	-
12/23/84	8.701	-	06/16/85	8.534	-	02/22/86	8.677	-	01/14/89	8.857	-
12/30/84	8.710	-	06/30/85	8.509	-	03/02/86	8.686	-	11/17/89	9.222	9.207
01/06/85	8.726	-	07/07/85	8.506	-	03/09/86	8.692	-	03/09/91	9.028	-
01/13/85	8.729	-	07/14/85	8.527	-	03/16/86	8.695	-	03/27/91	9.015	-
01/29/85	8.759	-	07/21/85	8.527	-	03/19/86	8.655	-			
02/03/85	8.768	-	07/28/85	8.518	-	03/22/86	8.704	-			
02/10/85	8.777	-	08/03/85	8.521	-	04/05/86	8.643	-			
PROJECT WELL 420D											
10/17/84	8.814	-	03/31/85	8.847	-	08/25/85	8.555	-	04/20/86	8.689	-
10/24/84	8.750	-	04/07/85	8.835	-	09/01/85	8.558	-	04/27/86	8.671	-
10/31/84	8.725	-	04/14/85	8.835	-	09/08/85	8.558	-	05/05/86	8.643	-
11/07/84	8.710	-	04/21/85	8.829	-	09/15/85	8.564	-	05/11/86	8.594	-
11/16/84	8.680	-	04/28/85	8.792	-	09/22/85	8.585	-	05/19/86	8.594	-
11/21/84	8.722	-	05/05/85	8.756	-	09/29/85	8.597	-	06/15/86	8.603	-
11/30/84	8.735	-	05/12/85	8.585	-	10/06/85	8.610	-	06/29/86	8.597	-
12/05/84	8.750	-	05/19/85	8.576	-	10/13/85	8.625	-	07/09/86	8.610	-
12/13/84	8.759	-	05/26/85	8.555	-	10/20/85	8.628	-	07/13/86	8.643	-
12/23/84	8.771	-	06/02/85	8.536	-	10/27/85	8.637	-	07/21/86	8.649	-
12/30/84	8.786	-	06/09/85	8.536	-	01/25/86	8.722	-	11/03/86	8.567	-

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 420D--Continued											
01/06/85	8.792	-	06/16/85	8.518	-	02/02/86	8.738	-	12/14/86	8.552	-
01/13/85	8.805	-	06/18/85	8.607	-	02/08/86	8.735	-	12/28/86	8.789	-
01/29/85	8.835	-	06/30/85	8.512	-	02/15/86	8.753	-	01/03/87	8.802	-
02/03/85	8.850	-	07/07/85	8.512	-	02/22/86	8.759	-	01/11/87	8.643	-
02/10/85	8.856	-	07/14/85	8.518	-	03/02/86	8.765	-	07/08/88	--	8.786
02/17/85	8.866	-	07/21/85	8.521	-	03/09/86	8.771	-	10/19/89	8.920	8.878
02/24/85	8.872	-	07/28/85	8.527	-	03/16/86	8.780	-	06/26/90	8.905	8.893
03/03/85	8.881	-	08/04/85	8.527	-	03/19/86	8.735	-	01/19/91	9.137	9.064
03/10/85	8.884	-	08/11/85	8.539	-	03/22/86	8.780	-	03/09/91	9.408	9.052
03/17/85	8.890	-	08/13/85	8.600	-	04/05/86	8.719	-	04/14/91	9.799	8.947
03/24/85	8.853	-	08/18/85	8.539	-	04/13/86	8.692	-	11/09/91	9.344	--
PROJECT WELL 421A											
10/31/84	6.150	-	05/12/85	6.509	-	02/02/86	6.269	-	03/29/88	6.348	-
11/07/84	6.229	-	05/19/85	6.488	-	02/08/86	6.275	-	04/02/88	6.579	-
11/16/84	6.241	-	05/26/85	6.479	-	02/15/86	6.247	-	04/05/88	6.320	-
11/21/84	6.247	-	06/02/85	6.457	-	02/22/86	6.256	-	04/09/88	6.299	-
11/30/84	6.265	-	06/09/85	6.442	-	03/02/86	6.302	-	04/12/88	6.278	-
12/05/84	6.278	-	06/16/85	6.448	-	03/09/86	6.302	-	04/30/88	6.272	-
12/13/84	6.290	-	06/30/85	6.412	-	03/16/86	6.317	-	06/03/88	6.305	-
12/23/84	6.314	-	07/07/85	6.418	-	03/22/86	6.323	-	06/19/88	6.326	-
12/30/84	6.323	-	07/14/85	6.424	-	03/29/86	6.265	-	06/19/88	6.323	-
01/06/85	6.333	-	07/21/85	6.424	-	04/05/86	6.256	-	06/27/88	6.311	-
01/13/85	6.339	-	07/28/85	6.418	-	04/13/86	6.238	-	07/08/88	6.342	-
01/29/85	6.375	-	08/04/85	6.430	-	04/20/86	6.220	-	07/28/88	6.363	-
02/03/85	6.381	-	08/11/85	6.433	-	04/27/86	6.208	-	08/26/88	6.378	-
02/10/85	6.387	-	08/13/85	6.122	-	05/05/86	6.171	-	09/24/88	--	6.412
02/17/85	6.390	-	08/18/85	6.448	-	05/11/86	6.140	-	09/25/88	--	6.424
02/24/85	6.390	-	08/25/85	6.461	-	05/19/86	6.122	-	11/29/88	--	6.436
03/03/85	6.393	-	09/01/85	6.461	-	06/15/86	6.150	-	04/07/89	--	6.442
03/10/85	6.393	-	09/08/85	6.476	-	06/29/86	6.150	-	04/15/89	--	6.397
03/17/85	6.400	-	09/15/85	6.494	-	07/09/86	6.162	-	05/13/89	--	6.320
03/24/85	6.400	-	09/22/85	6.512	-	07/13/86	6.171	-	06/01/89	--	6.308
03/31/85	6.400	-	09/29/85	6.512	-	07/21/86	6.177	-	08/03/89	7.043	6.229
04/07/85	6.390	-	10/06/85	6.522	-	11/03/86	6.080	-	08/23/89	--	6.403
04/14/85	6.369	-	10/13/85	6.531	-	12/14/86	6.086	-	09/08/89	7.055	6.272
04/21/85	6.360	-	10/20/85	6.531	-	12/28/86	6.320	-	10/18/89	7.061	6.287
04/28/85	6.342	-	10/27/85	6.540	-	01/03/87	6.333	-	01/19/91	7.040	6.448
05/05/85	6.278	-	01/25/86	6.272	-	01/11/87	6.342	-			
PROJECT WELL 421B											
09/14/87	7.013	6.063	06/19/88	6.984	6.126	08/26/88	7.016	6.148	01/19/91	6.983	6.391
02/27/88	6.999	6.126	06/19/88	6.986	--	11/29/88	6.970	6.199	03/09/91	6.983	6.428
02/28/88	7.001	6.111	07/06/88	6.998	6.248	11/17/89	7.007	6.074	03/29/91	6.976	6.416
04/02/88	7.004	6.132	07/08/88	6.986	--	01/08/90	6.995	6.288	04/14/91	6.985	6.390
04/30/88	7.007	6.123	07/28/88	7.001	6.144	04/13/90	6.989	6.315			
06/06/88	6.984	6.116	08/26/88	7.013	6.146	06/26/90	6.992	6.230			
PROJECT WELL 422											
10/24/84	6.271	6.262	04/04/85	6.454	6.372	09/01/85	6.198	6.110	04/20/86	6.302	6.220
10/31/84	6.253	6.244	04/21/85	6.470	6.363	09/08/85	6.210	6.122	04/27/86	6.281	6.207
11/07/84	6.244	6.238	04/28/85	6.427	6.320	09/15/85	6.210	6.122	05/05/86	6.250	6.174
11/15/84	6.253	6.247	05/05/85	6.396	6.278	09/22/85	6.220	6.131	05/11/86	6.204	6.122

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 422--Continued											
11/21/84	6.262	6.253	05/12/85	6.308	6.198	09/27/85	6.201	6.110	05/19/86	6.186	6.125
11/30/84	6.271	6.265	05/19/85	6.284	6.174	10/06/85	6.177	6.085	06/15/86	6.201	6.140
12/05/84	6.284	6.278	05/26/85	6.247	6.137	10/13/85	6.165	6.076	06/29/86	6.195	6.131
12/13/84	6.299	6.293	06/02/85	6.244	6.140	10/20/85	6.165	6.073	07/09/86	6.210	6.146
12/23/84	6.311	6.308	06/09/85	6.241	6.140	10/27/85	6.143	6.055	07/13/86	6.226	6.171
12/30/84	6.329	6.326	06/16/85	6.235	6.137	02/02/86	6.058	5.964	07/21/86	6.229	6.180
01/06/85	6.338	6.335	06/30/85	6.207	6.134	02/08/86	6.061	5.970	11/03/86	6.314	6.256
01/13/85	6.348	6.342	07/07/85	6.198	6.128	02/15/86	6.366	6.278	12/28/86	6.381	6.326
01/29/85	6.381	6.369	07/14/85	6.217	6.116	02/22/86	6.372	6.305	01/03/87	6.387	6.338
02/03/85	6.390	6.375	07/21/85	6.204	6.110	03/02/86	6.396	6.314	01/11/87	6.399	6.342
02/10/85	6.406	6.390	07/28/85	6.201	6.107	03/09/86	6.387	6.311	06/28/90	6.814	6.357
02/17/85	6.433	6.412	08/04/85	6.207	6.113	03/16/86	6.381	6.302	01/19/91	6.957	6.457
03/10/85	6.460	6.418	08/11/85	6.204	6.110	03/22/86	6.396	6.320	03/09/91	6.829	6.488
03/17/85	6.466	6.421	08/13/85	6.204	6.116	03/29/86	6.342	6.268	04/14/91	6.826	6.473
03/24/85	6.442	6.378	08/18/85	6.207	6.110	04/13/86	6.320	6.232			
03/31/85	6.454	6.372	08/25/85	6.201	6.110	04/15/86	6.335	6.244			
PROJECT WELL 423											
10/17/84	9.010	8.205	03/31/85	9.108	8.245	08/25/85	8.608	8.047	04/20/86	8.824	8.096
10/24/84	8.900	8.148	04/07/85	9.114	8.227	09/01/85	8.611	8.053	04/27/86	8.791	8.090
10/31/84	8.833	8.129	04/14/85	9.111	8.224	09/08/85	8.626	8.053	05/05/86	8.696	8.065
11/07/84	8.827	8.120	04/21/85	9.108	8.218	09/15/85	8.632	8.047	05/11/86	8.614	8.038
11/15/84	8.861	8.120	04/28/85	8.952	8.202	09/22/85	8.657	8.035	05/19/86	8.583	8.029
11/21/84	8.888	8.123	05/05/85	9.141	8.175	09/29/85	8.690	8.047	06/15/86	8.580	8.035
11/30/84	8.946	8.126	05/12/85	8.632	8.117	10/06/85	8.727	8.056	06/29/86	8.632	8.026
12/05/84	8.967	8.132	05/19/85	8.629	8.114	10/13/85	8.754	8.065	07/09/86	8.651	8.044
12/13/84	9.004	8.126	05/26/85	8.617	8.102	10/20/85	8.779	8.081	07/13/86	8.745	8.059
12/23/84	9.047	8.169	06/02/85	8.611	8.096	10/27/85	8.806	8.090	07/21/86	8.763	8.065
12/30/84	9.053	8.175	06/09/85	8.605	8.087	01/25/86	8.934	8.123	07/29/86	8.971	8.132
01/06/85	9.068	8.175	06/16/85	8.617	8.096	02/02/86	8.955	8.126	11/03/86	8.949	8.120
01/13/85	9.083	8.184	06/30/85	8.583	8.062	02/08/86	8.971	8.129	12/28/86	9.129	8.169
01/29/85	9.105	8.212	07/07/85	8.568	8.047	02/15/86	8.995	8.138	01/03/87	9.172	8.181
02/03/85	9.114	8.218	07/14/85	8.565	8.041	02/22/86	9.013	8.148	10/19/89	9.193	8.273
02/10/85	9.126	8.233	07/21/85	8.574	8.038	03/02/86	9.062	8.166	06/26/90	9.117	8.297
02/17/85	9.138	7.940	07/28/85	8.583	8.032	03/09/86	9.056	8.157	01/19/91	9.342	8.452
02/24/85	9.147	8.254	08/04/85	8.586	8.032	03/16/86	9.041	8.154	04/14/91	9.281	8.451
03/10/85	9.156	8.263	08/11/85	8.590	8.035	03/22/86	9.074	8.166			
03/17/85	9.166	8.273	08/13/85	8.620	8.026	04/05/86	8.937	8.120			
03/24/85	9.108	8.251	08/18/85	8.605	8.047	04/13/86	8.885	8.227			
PROJECT WELL 522											
06/18/85	8.542	-	11/05/87	--	8.777	05/24/88	--	9.277	09/08/89	9.311	8.695
08/13/85	8.558	-	11/19/87	--	9.131	06/06/88	--	9.158	11/17/89	9.295	8.707
05/26/87	8.728	-	12/28/87	--	8.893	06/19/88	--	9.170	06/28/90	9.314	8.716
09/12/87	--	8.481	03/20/88	--	8.558	07/06/88	--	9.170	01/19/91	9.320	8.838
09/26/87	--	8.497	04/02/88	--	9.179	08/26/88	9.289	8.661	03/09/91	9.301	8.862
10/11/87	--	8.808	04/30/88	9.289	--	11/29/88	9.286	8.402	04/14/91	9.323	8.876
PROJECT WELL 533A											
05/27/87	8.932	-	04/02/88	8.963	-	06/26/88	8.923	-	01/14/89	9.075	-
07/28/87	8.819	-	04/05/88	8.926	-	07/06/88	8.953	-	08/23/89	8.716	-
10/10/87	8.810	-	04/09/88	8.911	-	07/08/88	8.957	-	10/30/89	8.999	-
11/08/87	8.850	-	04/30/88	8.893	-	07/28/88	8.987	-	01/19/91	9.219	-

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 533A--Continued											
12/28/87	8.902	-	05/24/88	9.002	-	08/26/88	9.002	-	03/17/91	--	9.277
02/27/88	8.871	-	06/06/88	8.929	-	09/25/88	9.036	-	04/13/91	9.290	9.208
02/28/88	8.871	-	06/19/88	8.947	-	11/29/88	9.054	-			
PROJECT WELL 534A											
02/27/88	9.375	8.433	06/19/88	9.323	8.315	08/03/89	9.241	8.482	04/13/90	9.549	8.668
02/28/88	9.360	8.439	06/19/88	9.326	--	08/23/89	--	8.534	06/26/90	9.439	8.577
04/02/88	9.363	8.436	07/06/88	9.378	8.449	09/08/89	9.397	8.555	01/19/91	9.558	8.750
04/12/88	9.363	8.433	07/28/88	9.354	8.482	10/19/89	9.467	8.567	03/29/91	9.571	8.706
04/30/88	9.229	8.415	08/26/88	9.470	8.461	11/17/89	9.485	8.574			
06/06/88	9.278	8.430	11/29/88	9.509	8.571	01/08/90	9.552	8.613			
PROJECT WELL 534B											
07/28/87	8.698	-	01/14/89	8.689	-	10/19/89	8.699	-	04/14/91	9.570	8.760
07/08/88	8.652	-	09/19/89	8.699	-	01/19/91	Dry	8.768			
PROJECT WELL 604A											
09/08/89	7.008	6.285	11/17/89	7.008	6.343	06/26/90	7.038	6.307	03/09/91	6.989	6.462
10/19/89	7.017	6.316	01/08/90	7.014	6.389	01/19/91	7.011	6.429	04/14/91	7.014	6.410
PROJECT WELL 805											
07/27/88	8.621	--	01/19/91	Dry	8.712	04/14/91	9.539	8.739			
06/28/90	9.237	8.584	03/09/91	9.529	8.764						
PROJECT WELL 958											
06/15/89	4.541	--	11/17/89	4.263	4.260	03/09/91	4.644	4.397			
10/27/89	4.239	--	01/19/91	4.635	4.403	04/14/91	4.586	4.312			
PROJECT WELL 976											
11/17/89	1.563	1.560	02/26/90	1.554	--	03/29/91	1.328	1.323			
01/08/90	1.536	--	03/09/91	1.661	1.659						
PROJECT WELL 977											
11/17/89	1.038	0.943	02/26/90	1.400	1.099	03/09/91	1.525	1.199			
01/08/90	1.245	1.102	01/19/91	1.937	--	03/29/91	1.003	0.893			
PROJECT WELL 978											
11/17/89	2.302	2.299	02/26/90	2.421	--	03/09/91	2.805	2.451	04/14/91	2.683	2.368
01/08/90	2.360	2.357	01/19/91	2.793	2.418	03/29/91	2.778	2.463			
PROJECT WELL 979											
11/17/89	2.560	2.337	02/26/90	2.727	2.447	03/09/91	3.172	2.444	04/14/91	3.214	2.391
01/08/90	2.508	2.413	01/19/91	3.203	2.423	03/29/91	3.226	2.419			
PROJECT WELL 980											
11/17/89	3.038	2.254	02/26/90	3.224	2.663	03/09/91	3.330	2.440	04/14/91	3.205	2.379
01/08/90	3.138	2.306	01/19/91	3.321	2.404	03/29/91	3.159	2.358			
PROJECT WELL 9014											
10/26/90	8.493	--	01/19/91	8.533	8.524	03/09/91	8.557	--	04/14/91	8.528	8.527
PROJECT WELL 9016											
10/10/90	6.260	6.208	01/19/91	6.318	6.260	04/14/91	6.315	6.242			
10/26/90	6.275	6.230	03/09/91	6.355	6.285						

Table 4.--Water and oil levels in observation wells during 1983 to 1991--Continued

Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level	Date	Water level	Oil level
PROJECT WELL 9017											
10/10/90	6.219	Trace	01/19/91	6.271	6.268	04/14/91	6.262	6.260			
10/26/90	6.247	Trace	03/09/91	6.301	6.299						

[1] A negative number for the water level indicates that the water level is above the land surface in the well casing.

Table 5.--Monthly and annual precipitation at Bemidji, Minnesota, 1948-91

[values in millimeters; NA, not available; M, mean; N, normal, the average value of precipitation for the base period 1961-90]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1948	NA	NA	NA	NA	NA	NA	81	51	9	12	11	18	NA
1949	25	8	17	7	123	73	341	71	21	61	18	29	795
1950	17	1	17	26	113	151	66	40	78	65	18	8	599
1951	7	12	27	33	49	71	71	180	54	43	31	80	658
1952	6	1	11	17	25	78	119	57	14	6	25	13	370
1953	23	10	27	48	104	108	123	128	64	19	19	19	691
1954	16	22	10	36	47	26	142	23	73	39	9	2	446
1955	6	38	46	44	77	71	94	17	56	13	15	12	488
1956	24	2	17	27	78	32	63	93	27	24	39	9	435
1957	7	11	13	104	48	211	69	47	71	30	35	11	658
1958	7	3	4	22	52	132	52	56	60	35	50	9	482
1959	5	3	3	11	97	118	45	154	26	34	12	8	519
1960	7	1	5	36	45	125	31	106	38	29	14	26	464
1961	6	6	13	35	64	11	60	61	100	10	4	14	384
1962	23	33	15	56	256	91	160	49	66	5	9	5	768
1963	1	12	12	81	119	68	42	98	12	6	28	14	494
1964	12	7	9	137	80	140	86	59	111	10	20	19	690
1965	5	4	21	45	104	116	66	84	130	18	35	26	653
1966	10	17	52	35	22	65	65	188	27	58	5	20	563
1967	34	14	26	96	31	143	28	39	23	57	12	23	527
1968	12	2	40	69	51	140	65	126	90	63	5	55	718
1969	56	10	4	38	84	64	112	44	92	108	7	17	636
1970	6	5	29	42	42	52	64	21	59	57	9	35	421
1971	13	8	12	41	67	88	96	38	89	127	18	6	601
1972	12	8	20	43	79	44	132	88	38	35	9	17	526
1973	1	5	29	54	30	113	176	70	187	74	18	22	780
1974	20	9	16	54	101	51	102	188	16	34	8	12	611
1975	24	7	22	85	88	174	201	82	45	45	19	13	805
1976	33	10	24	20	10	135	65	70	7	8	2	17	400
1977	24	22	37	34	104	76	84	106	154	79	54	26	798
1978	4	8	5	32	74	84	140	118	85	21	26	19	615
1979	26	33	41	48	86	94	109	87	40	117	13	3	696
1980	13	25	16	1	3	64	17	139	62	34	21	15	410
1981	4	11	18	56	44	184	104	90	56	78	17	22	683
1982	30	7	30	22	161	35	140	9	39	113	23	10	619
1983	15	14	33	11	43	213	99	116	55	68	40	21	726
1984	8	17	12	41	25	129	14	82	48	117	5	21	518
1985	7	17	27	85	145	106	108	118	64	27	32	12	747
1986	12	15	8	90	42	96	113	71	104	8	36	6	599
1987	15	7	21	6	118	20	202	97	61	17	21	18	603
1988	33	1	30	1	51	76	58	225	104	16	85	23	702
1989	28	1	24	27	112	78	52	104	76	31	22	7	563
1990	9	15	35	38	17	132	50	34	32	82	5	21	469
1991	10	18	20	65	76	68	79	89	119	27	39	18	628
1949-91 (M)	15	11	21	44	74	96	95	87	65	45	22	18	594
1961-90 (N)	16	12	23	47	75	96	94	90	69	51	20	18	611

Data from the Minnesota Department of Natural Resources, Office of the State Climatologist

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)

[NA, not available; *, weight percent continued on table 7--hydrometer analysis; #, phi class 3.75; depth in meters below land-surface datum]

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 310															
1.22	1.52	7.4	4.3	5.5	7.7	9.6	14.2	18.7	11.2	9.2	4.7	2.3	1.4	1.0	2.8
2.74	3.05	6.4	1.7	1.9	3.6	5.6	9.5	14.2	12.8	18.6	14.7	5.6	2.1	1.4	1.9
4.33	4.57	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	5.4	33.3	41.1	12.9	3.2	3.5
5.73	6.10	0.0	0.3	0.2	0.7	0.8	2.9	9.0	19.3	33.0	17.8	9.7	2.9	1.1	2.2
7.92	8.02	2.9	2.3	2.7	5.4	6.2	10.5	15.9	14.6	17.1	11.8	5.8	2.3	1.0	1.4
8.26	8.35	2.0	0.3	0.6	0.6	1.2	3.2	6.1	5.8	6.1	19.1	31.5	14.7	5.5	3.5
8.35	8.47	3.9	4.2	6.2	9.2	10.1	12.0	10.6	7.6	7.3	6.2	5.6	5.6	4.6	7.0
8.84	9.14	1.5	1.3	1.5	4.8	8.3	12.6	12.3	10.6	14.1	11.6	7.8	5.3	3.5	5.0
9.69	9.75	0.0	1.0	0.7	2.4	5.7	14.3	18.8	17.4	20.5	9.9	3.6	1.7	1.2	2.9
10.06	10.27	6.3	3.0	5.2	9.3	10.8	8.4	5.7	6.0	10.6	10.0	7.9	4.6	3.5	8.7
10.36	10.67	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.9	6.4	18.4	40.9	21.4	6.0	3.8
10.67	10.97	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4	1.3	12.3	44.5	27.5	7.2	2.5
11.19	11.28	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.8	4.0	40.0	36.4	10.5	7.9
11.83	11.95	7.3	7.7	17.4	23.1	15.0	11.7	6.1	2.8	2.4	1.6	1.2	0.8	0.8	2.0
11.95	12.13	6.7	NA	7.3	4.5	5.7	6.7	10.7	13.7	14.9	11.6	6.6	2.3	0.9	8.5
12.13	12.19	11.4	6.1	5.7	8.9	8.5	9.8	10.2	7.7	9.8	6.9	4.1	2.4	2.0	6.5
13.26	13.41	0.4	NA	1.7	3.2	11.2	20.5	27.5	19.4	9.3	3.3	1.2	0.3	0.1	1.7
13.41	13.53	4.7	NA	18.5	29.6	23.7	10.4	5.6	2.2	1.1	0.6	0.4	0.3	0.1	2.9
13.59	13.66	5.8	NA	10.9	6.1	7.5	8.1	12.2	13.8	12.8	8.1	4.6	2.1	0.8	7.2
14.90	15.00	25.0	NA	19.0	6.8	5.8	4.9	6.1	7.0	7.5	5.7	3.6	1.2	0.8	6.6
15.00	15.18	0.0	3.7	2.2	1.9	3.0	4.5	8.2	10.4	19.0	20.1	13.8	5.6	3.4	4.1
16.46	16.61	1.5	NA	2.6	2.0	3.9	6.2	13.5	19.2	19.8	11.5	6.4	2.7	0.9	9.7
16.61	16.70	0.3	NA	2.0	1.7	2.2	3.6	7.9	18.0	27.1	16.6	8.0	3.2	1.2	8.0
17.98	18.14	13.1	1.5	2.2	2.7	3.1	5.3	14.5	18.1	15.6	8.3	4.4	2.9	2.4	5.9
18.17	18.23	0.0	2.2	1.6	5.4	12.5	21.1	20.4	9.3	8.6	5.1	3.2	2.2	1.9	6.4
18.23	18.29	14.0	2.5	0.9	2.0	3.4	11.5	23.4	14.7	10.6	5.6	2.8	1.9	1.6	5.0
19.72	19.78	31.8	4.5	4.7	5.8	6.1	8.7	8.7	7.4	7.6	3.2	2.4	1.8	1.8	5.5
21.12	21.18	21.2	NA	17.0	9.6	9.6	7.4	9.7	7.9	4.8	2.5	1.8	1.0	0.4	7.0
23.17	23.32	0.0	0.9	0.5	0.9	1.4	4.2	16.4	22.4	22.9	11.2	6.1	3.3	2.3	7.5
23.35	23.41	0.0	NA	1.1	0.8	2.3	5.0	17.1	21.6	20.7	10.8	5.5	2.5	0.8	11.7
24.08	24.23	0.0	2.1	0.7	1.4	2.1	6.6	17.6	16.6	21.5	12.8	5.9	3.1	2.4	7.3
24.23	24.29	1.5	NA	1.3	2.4	4.6	8.0	15.3	20.4	18.8	9.7	5.2	2.5	1.1	9.3
25.60	25.76	0.3	NA	0.3	0.7	2.4	5.3	12.1	17.0	23.7	16.0	7.7	3.1	1.1	10.1
25.79	25.91	0.0	0.0	0.7	2.0	3.9	7.5	12.8	13.1	26.9	16.7	6.2	2.6	2.3	5.2
27.37	27.43	0.9	1.5	1.5	2.4	3.0	4.6	7.5	7.5	10.7	9.0	6.4	4.6	3.5	*
28.90	28.96	0.9	1.3	1.5	2.4	2.9	4.5	7.2	7.2	10.1	8.5	6.1	4.5	3.4	*
30.33	30.48	2.5	1.3	2.0	2.4	3.0	4.3	6.9	7.1	9.8	8.4	6.2	4.6	3.7	*
31.46	31.70	11.3	0.1	2.1	1.5	2.4	4.4	8.7	4.6	8.3	6.3	7.3	3.4	3.4	*
31.85	32.00	0.9	1.1	1.2	2.1	2.7	4.6	6.9	6.9	9.6	8.2	6.2	4.8	3.7	*
33.32	33.38	1.3	1.5	1.5	2.3	2.8	4.3	7.0	7.0	10.4	8.5	6.2	4.5	3.4	*

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 416															
2.10	2.16	0.0	3.4	1.1	2.7	4.6	8.6	15.9	18.1	24.5	14.8	4.6	0.9	0.2	0.4
2.50	2.53	1.9	0.3	0.5	1.1	1.9	4.0	8.9	10.9	27.0	28.4	10.9	2.6	0.8	0.6
2.59	2.71	0.0	6.1	1.7	3.6	6.5	13.4	22.7	18.4	15.2	7.0	2.9	0.9	0.5	1.0
2.71	2.83	0.0	4.1	1.7	3.8	6.5	10.8	17.6	17.5	20.5	10.6	3.5	0.9	0.6	1.9
3.20	3.23	0.0	1.3	0.2	0.2	0.7	1.5	3.5	4.4	7.0	6.2	6.4	8.1	10.5	*
3.23	3.35	21.3	2.3	2.5	2.7	2.7	3.9	5.5	6.1	10.0	10.6	9.0	6.7	5.4	11.3
3.35	3.44	0.0	2.5	0.2	0.2	0.2	0.3	1.7	5.1	19.5	30.8	22.0	9.6	4.3	3.6
3.44	3.54	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.3	0.9	1.1	1.7	5.2	11.5	*
3.72	3.75	0.0	1.1	0.6	0.6	1.0	1.5	2.9	5.5	18.4	30.3	20.6	8.8	5.0	3.8
3.87	4.08	13.3	2.0	5.1	6.9	8.4	11.9	16.1	13.5	12.3	5.1	2.6	0.9	0.5	1.3
4.36	4.51	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.5	3.1	12.0	23.5	*
4.75	4.85	0.0	0.0	0.0	0.0	0.0	0.3	5.1	22.0	41.8	20.3	6.3	2.5	1.0	0.8
5.03	5.18	0.0	0.1	0.0	0.2	0.2	0.4	3.8	18.0	46.1	23.9	4.5	1.1	0.9	0.8
5.49	5.61	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.7	23.7	40.3	22.0	5.7	2.0	1.2
5.88	6.00	0.0	1.0	0.1	0.3	0.6	2.9	11.6	22.8	34.9	16.4	5.5	1.6	0.9	1.5
6.40	6.58	0.0	0.5	0.2	0.2	0.4	1.2	6.4	17.8	39.4	24.9	6.4	1.1	0.7	0.9
6.71	6.89	0.0	0.0	0.1	0.0	0.2	0.0	0.3	3.2	26.1	44.9	19.0	4.3	1.2	0.8
6.92	7.01	0.0	0.2	0.0	0.2	0.2	0.6	13.8	37.5	25.9	6.1	4.9	5.1	3.6	1.8
7.07	7.19	0.0	0.0	0.0	0.0	0.2	0.3	2.9	13.5	28.4	28.7	15.9	6.0	2.5	1.7
7.32	7.47	0.0	0.0	0.2	0.0	0.2	0.4	1.4	7.3	25.1	35.3	19.8	6.5	2.5	1.4
7.77	7.86	0.0	0.0	0.0	0.0	1.0	0.2	3.4	15.3	27.3	29.7	15.3	4.1	1.9	1.9
7.92	7.99	0.0	0.0	0.1	0.2	0.4	1.4	6.9	13.1	18.3	27.8	20.1	7.6	3.3	0.9
7.99	8.26	0.0	0.6	0.6	1.3	2.1	5.5	24.3	32.5	16.9	9.9	4.0	1.1	0.5	0.6
8.26	8.38	0.0	3.6	3.3	5.2	7.5	9.8	18.3	23.0	14.0	7.8	4.1	1.3	0.8	1.3
8.38	8.41	0.0	0.5	0.0	0.2	0.2	0.2	0.7	1.7	23.5	38.8	19.9	8.5	3.3	2.4
8.90	8.99	0.0	0.0	0.1	0.4	0.4	1.1	1.7	1.7	10.7	30.9	31.9	12.7	5.2	3.3
9.45	9.63	0.0	0.0	0.1	0.2	0.3	0.3	0.9	3.0	23.1	49.0	16.8	3.1	1.2	2.0
9.88	10.18	41.9	1.4	1.4	1.9	1.9	2.6	4.4	4.1	5.9	6.8	5.3	3.3	3.1	*
10.36	10.49	0.0	0.2	0.2	0.2	0.4	0.6	2.0	4.8	18.3	38.9	23.2	7.2	2.2	1.8
10.49	10.64	0.0	2.8	1.5	2.8	3.3	5.0	8.5	9.0	13.6	11.9	8.6	5.0	4.1	*
10.97	11.06	10.6	1.0	1.1	2.4	3.4	5.9	10.6	10.3	18.0	18.2	7.9	3.2	2.2	5.3
11.06	11.28	0.0	4.4	1.4	2.8	4.5	10.4	19.6	17.2	19.9	11.3	5.0	1.6	0.7	1.2
11.28	11.34	11.6	1.8	3.0	4.3	6.9	12.3	16.4	11.4	15.5	10.4	3.5	1.0	0.6	1.4
PROJECT WELL 417															
3.05	3.51	3.2	1.0	1.6	2.6	3.6	10.6	22.2	20.2	19.0	9.3	3.6	1.9	1.0	0.4
4.42	4.88	2.1	3.1	2.4	4.2	3.8	4.5	8.0	12.2	21.0	15.7	11.5	5.6	2.4	3.1
5.94	6.40	0.0	0.0	0.0	0.0	0.0	0.0	7.3	16.1	21.0	27.8	19.0	5.6	1.6	1.6
7.47	7.92	0.0	0.0	1.8	2.0	2.9	4.7	11.5	22.3	30.7	12.0	6.5	2.7	1.1	1.6
8.99	9.45	0.0	0.0	0.0	0.0	0.0	0.0	3.9	8.0	22.9	35.6	21.2	5.8	1.4	1.0
10.67	10.97	0.0	0.0	0.0	0.0	6.3	8.4	20.6	22.8	20.6	10.9	5.6	1.6	0.9	2.2
10.97	11.28	0.0	4.1	2.6	3.8	5.6	7.9	12.8	13.8	19.9	16.6	7.4	2.0	1.3	2.3
12.34	12.95	48.0	2.6	2.5	2.8	3.5	7.9	12.2	5.8	3.8	1.7	1.5	1.2	1.0	5.5
14.02	14.63	0.0	0.0	5.9	4.1	5.9	10.5	18.9	17.9	19.4	8.7	3.6	1.8	1.3	2.3
15.54	16.15	0.0	3.7	3.7	5.7	8.0	13.5	20.4	15.7	13.3	6.1	3.7	2.0	1.4	2.7
17.07	17.68	0.0	0.0	0.0	0.0	0.0	5.9	10.4	16.6	19.2	20.8	13.0	5.9	2.8	5.4
18.59	19.20	51.1	1.2	1.8	1.8	2.1	5.7	17.2	10.1	4.8	1.6	0.9	0.5	0.5	0.7
20.12	20.73	0.0	0.0	0.0	0.0	0.0	6.4	13.2	10.8	16.3	24.4	18.3	6.1	2.0	2.4
21.64	22.10	0.0	0.0	0.0	4.3	4.0	8.9	22.2	19.2	19.2	8.3	5.3	3.0	1.7	4.0

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 417--Continued															
23.17	23.47	10.5	1.7	1.6	2.5	3.0	4.4	7.0	6.7	10.0	8.5	5.9	4.2	3.2	*
23.47	23.77	0.0	0.0	0.0	5.3	3.3	6.6	10.9	13.6	30.8	19.5	5.6	2.0	1.0	1.3
23.77	24.08	1.8	NA	2.6	2.3	4.8	6.9	11.8	16.6	27.6	18.4	5.2	1.1	#0.3	0.5
24.69	24.99	4.3	2.4	1.7	2.6	3.4	4.9	8.2	8.4	12.0	8.9	6.3	4.8	3.9	*
24.99	25.30	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	7.1	17.3	19.6	14.2	10.7	*
26.21	26.82	3.1	1.0	1.1	1.8	2.2	4.1	7.7	9.5	16.3	13.8	9.8	6.5	4.4	*
27.74	28.04	0.0	0.0	0.0	2.0	0.8	1.0	1.8	1.8	2.5	2.0	1.5	1.5	2.5	*
28.04	28.35	0.0	0.0	0.0	0.0	2.9	1.6	2.7	2.7	4.0	3.6	4.5	5.4	6.7	*
29.26	29.87	0.0	0.0	0.0	6.2	2.2	5.9	18.9	24.5	23.5	8.4	3.5	1.9	1.6	3.5
30.79	31.39	3.9	1.4	1.3	2.4	2.2	3.3	5.3	5.8	9.2	8.2	6.3	4.5	3.7	*
PROJECT WELL 503															
5.18	5.79	7.1	NA	7.1	6.3	11.1	15.1	23.1	10.9	6.0	2.9	1.9	0.9	0.8	*
7.01	7.62	28.0	NA	18.1	10.3	10.9	10.6	10.0	4.9	2.6	1.8	1.3	0.7	0.8	0.2
8.53	8.87	31.3	NA	22.9	9.5	8.9	5.6	4.0	2.4	1.7	1.3	1.1	0.6	0.8	*
8.87	9.14	1.1	NA	2.9	2.0	3.2	2.6	2.1	1.6	2.0	3.3	8.5	11.2	16.1	*
10.06	10.49	0.0	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.6	#0.6	*
10.49	10.67	0.0	NA	0.3	0.6	0.7	1.2	2.9	3.1	2.9	2.5	2.9	4.3	10.0	*
11.58	12.19	0.2	NA	0.9	0.8	1.2	1.8	4.4	7.8	16.7	24.6	20.3	8.0	#2.5	*
13.11	13.72	1.0	NA	5.3	5.3	8.9	12.0	18.3	17.9	15.2	9.4	4.8	1.1	#0.3	0.4
14.63	14.97	5.4	NA	11.7	6.7	9.0	11.9	20.4	14.9	9.5	6.1	2.9	0.9	0.7	0.1
14.97	15.24	24.1	NA	8.6	4.4	5.3	7.1	14.1	14.8	10.4	6.2	3.2	1.0	0.8	0.1
16.15	16.76	30.1	NA	19.8	8.4	8.9	7.4	7.8	7.2	5.1	2.4	1.4	0.7	#0.4	0.5
17.68	18.29	9.5	NA	11.1	10.0	14.6	16.6	21.2	9.1	3.6	1.8	1.1	0.6	0.6	0.1
19.20	19.81	3.1	NA	9.0	7.2	10.0	13.3	20.2	16.4	11.4	3.2	1.2	0.5	#0.2	4.4
20.73	21.34	31.2	NA	15.7	7.0	7.4	7.7	10.3	7.8	4.8	3.4	2.3	1.1	#1.1	0.1
22.25	22.86	0.0	NA	0.0	0.2	0.4	0.6	0.8	1.6	11.7	48.2	28.0	5.6	#2.5	0.4
26.82	27.43	5.8	NA	3.4	NA	4.7	NA	11.7	NA	18.2	NA	15.0	NA	6.7	*
PROJECT WELL 505															
11.73	12.34	0.0	1.6	1.9	2.8	3.5	6.1	13.1	27.2	24.6	10.1	3.5	1.6	1.4	2.3
13.26	13.87	0.0	1.6	1.9	4.1	7.1	14.8	22.3	16.5	17.3	6.0	3.0	1.9	1.1	2.2
14.78	15.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	5.6	17.2	19.5	*
15.39	16.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.8	19.5	19.7	*
16.00	16.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.2	10.9	16.1	*
16.61	17.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	6.0	16.0	17.5	*
17.22	17.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	8.6	17.6	*
17.83	18.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	4.7	*
19.57	19.81	29.2	9.3	5.8	6.8	6.9	8.1	9.5	6.6	6.9	3.5	2.1	1.5	1.4	2.5
PROJECT WELL 524															
TILL	TILL	5.6	1.4	2.3	2.1	2.5	4.2	8.2	4.9	8.5	7.0	9.0	4.0	4.0	*
PROJECT WELL 525															
9.30	9.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	4.0	7.8	*
30.94	31.09	4.0	NA	4.3	NA	4.5	NA	12.0	NA	17.9	NA	15.4	NA	6.9	*
PROJECT WELL 532															
0.30	0.46	0.5	0.3	0.4	1.1	2.1	5.8	16.9	20.7	27.0	15.1	6.0	1.9	0.8	1.3
1.68	1.83	3.0	2.0	1.8	4.9	10.3	20.2	25.1	14.3	9.7	3.6	1.7	0.8	0.6	2.0

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 532--Continued															
1.83	1.98	1.3	0.5	1.1	3.6	5.9	13.0	24.8	18.7	17.7	7.8	2.7	1.1	0.5	1.3
3.20	3.35	12.1	1.1	1.1	1.7	2.2	4.7	13.3	15.1	20.1	14.4	7.2	2.9	1.3	2.9
3.35	3.51	3.7	1.0	1.3	2.8	4.6	9.6	16.0	14.3	20.2	14.4	6.2	2.3	1.1	2.4
4.72	4.88	0.0	0.0	0.0	0.0	0.1	0.1	0.3	1.7	15.6	33.1	24.1	12.5	6.3	6.3
4.88	5.03	0.0	0.0	0.0	0.0	0.1	0.1	0.7	1.4	8.2	39.8	36.9	8.1	2.3	2.4
6.55	6.71	0.6	0.0	0.2	0.3	0.4	2.1	10.7	20.5	32.9	20.3	7.0	2.6	1.2	1.3
6.71	6.86	0.4	0.2	0.1	0.2	0.4	1.1	7.1	22.5	42.1	18.8	4.5	1.3	0.6	0.8
7.92	8.23	0.0	0.0	0.2	0.1	0.2	0.8	7.9	15.0	15.3	26.8	22.3	7.9	2.2	1.3
8.23	8.38	0.2	0.3	0.4	0.5	0.6	1.3	4.1	4.8	10.1	33.2	28.8	10.2	3.1	2.6
8.69	8.78	0.4	1.3	0.7	1.3	1.5	2.5	9.7	18.1	17.0	26.3	13.9	4.3	1.5	1.5
8.78	8.84	0.2	0.3	1.2	2.6	3.3	4.0	5.8	6.9	23.1	33.4	12.5	3.7	1.4	1.6
8.84	8.99	5.3	2.0	2.7	4.7	5.4	8.0	17.8	19.6	12.0	9.7	6.0	2.5	1.3	3.0
PROJECT WELL 533															
0.61	0.76	0.0	3.8	1.4	2.0	3.2	6.7	16.3	20.9	25.6	12.8	4.6	1.5	0.5	0.6
0.91	1.04	0.0	1.4	1.9	5.5	8.8	14.7	24.9	19.7	15.0	5.0	1.7	0.5	0.2	0.7
1.22	1.28	0.0	11.4	2.6	5.4	7.9	12.2	20.2	17.2	13.8	5.2	2.0	0.8	0.4	0.8
1.28	1.49	8.6	2.5	2.6	5.0	7.4	12.0	20.7	20.4	14.8	3.2	0.8	0.3	0.9	0.8
1.52	1.71	0.0	0.2	0.5	0.9	1.7	5.5	15.5	21.0	31.2	15.9	4.7	1.2	0.5	1.2
2.10	2.16	0.0	15.9	6.3	9.0	10.9	13.6	14.8	10.9	8.4	3.5	1.9	1.0	0.8	3.1
2.16	2.26	0.0	0.0	0.0	0.5	1.8	5.1	17.8	27.6	32.2	9.9	2.5	0.7	0.5	1.4
3.05	3.14	0.0	10.0	2.2	3.1	4.2	7.7	14.4	16.3	20.5	9.9	3.8	1.7	1.5	4.8
3.75	3.90	3.6	0.4	2.9	3.6	6.8	13.9	21.0	16.4	16.2	7.7	4.1	1.4	0.7	1.4
4.48	4.63	0.0	0.0	0.0	0.0	0.0	0.2	0.8	3.0	15.0	34.7	29.0	11.2	3.5	2.6
4.88	4.97	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.9	5.8	13.8	24.9	29.8	15.3	9.1
5.03	5.18	0.0	0.1	0.1	0.1	0.3	0.5	1.7	3.6	11.3	32.2	32.9	12.1	3.4	1.7
5.21	5.30	0.0	0.0	0.0	0.2	0.2	0.2	1.2	8.6	45.7	35.2	5.4	1.1	0.5	2.0
5.58	5.61	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	1.7	12.0	26.1	26.6	32.5
5.73	5.82	0.0	0.6	0.3	0.7	1.3	5.2	23.9	29.3	19.9	6.1	4.3	3.7	2.4	2.2
5.82	5.94	0.0	0.0	0.0	0.0	0.2	0.9	9.9	27.8	36.6	17.6	4.2	1.3	0.6	0.8
6.19	6.34	0.0	0.0	0.0	0.0	0.3	0.5	1.2	4.2	30.7	41.9	13.5	4.3	1.7	1.6
6.34	6.49	0.0	0.2	0.0	0.2	0.2	0.7	8.8	27.9	38.9	16.4	4.2	0.9	0.5	1.1
6.80	6.92	0.0	0.4	0.3	0.4	0.7	1.6	5.3	12.8	37.8	29.3	8.0	1.2	1.1	1.3
6.95	7.19	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.9	13.8	34.4	32.2	11.8	3.5	1.9
7.38	7.62	0.0	0.0	0.0	0.1	0.1	0.1	1.7	4.4	13.7	32.9	31.5	11.2	2.8	1.3
7.65	7.77	0.0	3.3	1.3	2.5	4.0	7.8	22.3	18.6	7.6	12.2	11.4	4.5	2.8	1.6
7.92	8.14	0.0	1.6	1.5	3.9	6.9	10.1	18.6	13.2	8.2	16.2	12.1	4.7	1.6	1.3
8.14	8.26	0.0	2.5	1.6	1.6	1.9	3.0	7.2	9.0	12.5	30.4	18.4	7.2	2.5	2.1
8.26	8.35	0.0	3.5	3.5	4.3	5.5	7.9	13.6	11.5	8.7	19.2	12.8	5.0	2.4	2.2
8.35	8.38	0.0	0.1	0.1	0.4	0.6	0.7	1.3	1.6	9.8	49.3	25.1	5.8	2.5	2.5
PROJECT WELL 534															
1.07	1.22	1.9	1.0	1.6	3.4	4.8	8.4	15.3	16.5	20.7	13.2	6.5	2.7	1.6	2.3
1.34	1.40	10.0	3.0	3.9	5.7	6.9	11.3	16.8	14.3	15.2	7.3	2.5	1.1	0.8	1.3
1.52	1.62	6.9	1.8	1.6	3.7	6.1	11.6	18.1	15.1	16.4	9.8	4.5	1.8	1.1	1.6
1.62	1.83	0.0	0.0	0.0	0.0	0.2	1.6	11.2	20.8	33.9	22.2	7.4	1.7	0.5	0.5
2.47	2.53	17.9	3.1	3.6	5.1	5.1	5.3	6.5	7.3	14.5	15.2	7.7	3.1	1.6	4.0
2.53	2.59	1.0	0.0	0.3	0.7	1.0	2.1	5.1	8.4	18.5	28.3	22.7	7.3	2.1	2.4
3.29	3.44	5.9	2.9	4.5	5.3	6.4	9.4	14.5	12.9	15.2	13.3	6.1	1.8	0.8	0.8

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 534--Continued															
3.93	4.24	0.0	0.0	0.0	0.0	0.1	0.1	1.6	8.6	29.4	33.2	16.6	6.8	2.1	1.4
4.57	4.88	0.0	0.0	0.0	0.1	0.0	1.8	8.1	33.7	37.2	12.7	3.9	1.0	0.5	1.0
5.33	5.76	1.6	0.1	0.2	0.4	0.6	3.1	14.0	24.2	30.8	15.1	5.4	2.7	1.0	0.8
6.10	6.16	0.0	0.0	0.0	0.3	0.6	1.4	5.8	6.8	15.6	34.4	24.9	7.2	1.7	1.2
6.86	7.07	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.5	2.9	25.8	42.8	20.2	5.3	1.9
7.92	8.05	0.3	0.4	0.0	0.3	0.3	0.3	0.6	0.9	6.4	33.2	40.9	12.2	3.0	1.4
9.14	9.91	5.7	4.9	8.1	8.5	6.9	7.3	7.3	4.9	8.5	16.2	10.5	5.9	2.8	2.4
10.06	10.36	7.4	4.1	6.2	7.6	9.7	14.1	16.4	10.7	10.1	4.9	3.3	2.2	1.4	1.8
PROJECT WELL 602															
2.80	2.87	2.1	0.5	1.4	1.4	2.4	4.1	6.4	15.0	31.0	21.7	9.1	1.2	0.7	2.9
4.27	4.42	0.0	0.0	0.9	0.7	1.1	4.7	17.3	28.5	24.7	10.5	7.6	1.8	0.9	1.3
4.88	5.24	0.0	0.6	1.0	0.8	1.8	5.8	15.8	25.2	22.4	12.0	9.2	2.2	1.0	2.2
5.49	5.88	3.3	1.1	1.3	1.5	2.8	8.5	21.1	27.2	18.5	7.0	4.1	1.1	0.7	1.8
6.25	6.43	2.2	0.6	1.5	1.8	3.3	10.7	32.2	25.9	10.9	4.1	4.3	1.1	0.6	0.9
7.01	7.35	2.6	3.2	7.9	9.7	11.3	16.6	18.6	13.4	7.9	3.0	1.8	0.6	0.8	2.8
7.77	7.96	2.7	0.6	1.3	1.5	2.9	7.9	17.5	27.8	23.4	8.8	3.8	0.6	0.4	0.8
8.53	8.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.8	25.3	44.9	15.1	5.4	3.2
10.06	10.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	20.9	47.4	14.5	5.2	3.5
10.82	11.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	7.3	48.7	22.8	11.9	8.3
11.58	12.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	11.9	39.6	29.9	11.7	6.5
12.65	12.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	4.3	6.1	8.2	*
12.68	12.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	4.1	30.0	21.8	18.6	*
13.11	13.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.2	3.7	23.0	37.9	17.8	*
13.50	13.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	*
13.87	14.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.6	2.5	11.3	*
16.34	16.61	8.6	5.0	5.9	10.7	14.1	19.7	20.8	7.0	2.9	1.3	1.0	0.8	0.6	1.6
16.79	17.10	8.1	2.3	4.0	7.9	14.1	23.6	24.7	7.8	2.2	1.0	0.9	0.9	0.7	1.8
17.10	17.15	13.3	2.2	1.8	5.9	9.8	17.7	23.4	9.2	4.8	3.3	2.2	1.8	1.3	3.1
17.16	17.37	20.6	5.5	5.7	6.8	7.4	10.8	14.1	7.0	4.4	3.3	2.5	2.8	2.4	6.6
17.95	17.98	1.6	1.2	1.2	2.3	5.3	13.4	35.1	24.7	10.2	1.8	0.7	0.5	0.5	1.6
17.98	18.14	19.7	4.9	7.3	9.4	10.5	11.0	12.4	8.7	7.3	3.0	1.4	0.9	0.7	2.8
18.44	18.90	22.1	7.4	9.0	11.4	13.1	14.0	9.2	3.3	2.2	1.3	0.9	1.1	1.3	3.9
19.20	19.60	8.6	7.5	9.7	14.1	14.8	17.2	12.6	5.1	3.3	2.0	1.3	1.1	0.9	2.0
19.96	20.33	12.2	8.5	8.5	14.8	16.6	15.0	10.2	3.9	2.8	1.6	1.2	0.9	0.9	2.8
20.73	21.18	24.3	7.0	7.4	11.0	11.9	13.7	11.5	4.5	2.9	1.6	1.1	0.9	0.7	1.6
21.49	21.70	3.8	5.9	8.9	14.2	16.0	17.8	15.3	7.4	4.8	2.0	1.3	0.8	0.5	1.3
22.25	22.40	1.9	0.9	1.5	2.1	2.5	5.0	10.3	5.6	10.1	7.6	8.5	3.8	3.6	*
PROJECT WELL 604															
1.65	1.86	16.9	4.3	3.9	5.2	5.3	6.2	7.7	8.4	18.9	16.7	4.5	0.9	0.4	0.6
3.05	3.35	0.0	0.4	0.4	0.0	0.4	0.7	5.8	14.5	34.3	28.7	10.8	3.0	0.7	0.4
6.40	6.46	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.9	0.7	0.9	3.0	11.8	*
6.46	6.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6	1.5	9.1	*
6.52	6.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	7.1	12.3	10.8	19.3	*
7.01	7.16	0.0	0.0	0.4	0.4	0.7	0.4	0.4	0.4	0.7	0.4	0.4	1.1	4.7	*
7.16	7.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.4	8.1	15.2	*
7.92	8.38	0.0	0.0	0.3	0.6	1.8	2.6	2.3	1.8	3.8	2.6	2.9	5.3	10.8	*

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 606															
5.79	6.40	0.0	0.0	1.8	1.3	1.3	2.6	9.8	29.9	28.6	9.9	6.9	3.1	2.2	2.5
7.32	7.62	1.8	0.0	3.7	3.3	3.6	5.7	11.4	17.3	21.7	13.4	9.8	3.3	2.3	2.8
8.08	8.17	0.0	2.3	0.0	0.0	4.1	0.0	5.2	0.0	13.8	0.0	29.1	0.0	18.8	*
8.17	8.35	0.0	5.3	0.0	0.0	3.7	0.0	4.2	0.0	6.6	0.0	9.6	0.0	10.2	*
8.35	8.49	0.0	3.9	0.0	0.0	3.5	0.0	4.6	0.0	7.4	0.0	11.0	0.0	11.0	*
8.84	8.96	0.0	2.7	0.0	0.0	3.9	0.0	4.5	0.0	7.0	0.0	10.2	0.0	11.5	*
8.96	9.10	8.5	0.0	11.2	4.8	5.1	6.7	9.8	12.5	14.3	9.5	7.8	2.9	2.5	4.4
9.60	9.75	1.9	0.0	3.7	2.9	3.9	8.2	18.2	24.6	16.8	7.7	6.1	2.2	1.6	2.0
9.75	9.91	10.5	0.0	14.0	9.3	9.1	11.3	10.5	9.0	8.3	5.6	5.3	2.4	2.0	2.9
10.36	10.61	24.1	0.0	4.7	3.3	3.8	7.6	12.8	12.2	12.4	8.7	5.3	1.9	1.5	1.7
11.13	11.37	7.8	0.0	12.6	7.9	9.9	12.1	10.4	9.1	11.4	8.2	6.3	1.6	0.9	1.8
11.89	12.25	6.0	0.0	10.8	6.9	8.8	12.8	13.4	14.8	13.7	5.9	4.0	1.1	0.7	1.1
12.65	13.02	1.3	0.0	5.1	3.4	5.6	11.8	17.7	20.6	18.6	8.1	4.8	1.1	0.7	1.1
13.41	13.84	2.4	0.0	4.1	3.0	4.9	12.3	22.0	19.8	16.5	7.8	4.5	1.0	0.7	1.0
14.17	14.48	11.1	0.0	10.6	5.0	6.7	10.2	13.0	12.5	12.4	7.0	5.5	1.6	1.4	3.1
14.94	15.30	0.3	0.0	1.4	1.8	3.7	11.7	24.2	26.7	17.5	5.2	3.4	1.5	0.9	1.8
15.70	16.06	1.1	0.0	3.7	1.6	2.1	5.0	13.8	28.7	25.8	9.3	4.6	1.4	1.0	1.8
16.46	16.86	0.0	0.0	1.1	0.8	2.0	5.6	18.2	31.7	30.5	5.7	2.0	0.9	0.6	1.1
17.22	17.56	6.8	0.0	11.2	5.8	7.9	11.2	15.9	17.8	11.3	3.6	2.8	1.4	1.1	3.2
17.98	18.29	5.1	0.0	3.0	2.2	4.5	10.0	17.3	31.3	17.2	5.1	2.4	0.8	0.5	0.6
18.29	18.36	10.8	0.0	17.2	7.2	9.4	11.5	11.6	10.9	7.9	4.2	3.7	1.4	1.2	3.1
18.75	18.87	27.4	0.0	25.5	10.2	9.0	7.4	5.8	7.5	3.2	1.2	1.3	0.5	0.5	0.5
18.87	19.05	20.9	0.0	23.5	10.9	10.6	10.3	5.9	4.8	3.7	2.0	2.4	1.2	1.1	2.8
19.51	19.93	3.2	0.0	3.7	2.2	3.8	8.8	19.8	24.5	16.1	7.1	5.3	1.7	1.3	2.6
20.27	20.45	3.3	0.0	4.7	3.3	7.1	17.3	27.4	18.3	8.2	3.4	3.5	1.2	0.9	1.5
20.45	20.67	1.3	0.0	0.5	0.3	1.0	3.0	10.3	21.3	30.3	15.7	8.7	2.2	1.6	3.7
21.03	21.49	0.5	0.0	1.4	1.2	2.9	7.6	18.4	22.0	20.3	13.3	7.1	1.8	1.4	2.1
21.79	22.31	0.0	0.0	0.6	0.3	0.7	1.7	8.5	20.1	26.4	21.5	14.7	2.5	1.2	1.8
22.56	22.74	4.2	0.0	6.8	3.7	6.5	10.3	17.6	15.7	12.9	10.9	7.6	1.2	0.9	1.7
22.77	23.10	0.0	0.0	2.6	2.1	4.5	8.6	17.0	25.5	21.6	8.2	5.8	1.4	1.0	1.7
23.32	23.56	0.0	0.0	0.0	0.2	0.2	0.4	2.3	1.2	9.3	32.8	41.7	7.7	2.7	1.5
23.56	23.81	0.0	0.0	0.1	0.2	0.6	1.5	7.2	31.4	39.4	11.4	5.0	1.2	0.9	1.2
24.08	24.17	1.9	0.0	7.1	2.8	5.5	16.9	33.0	16.8	7.5	3.3	2.5	0.7	0.6	1.5
24.17	24.48	0.0	0.0	1.9	2.1	4.8	15.7	25.9	19.8	15.5	6.3	4.2	1.1	0.9	1.9
24.84	25.02	0.0	13.5	0.0	0.0	10.3	0.0	16.9	0.0	25.2	0.0	21.9	0.0	9.8	*
25.02	25.45	0.0	4.8	0.0	0.0	6.9	0.0	11.7	0.0	18.1	0.0	15.7	0.0	6.9	*
PROJECT WELL 607															
[1]5.64	5.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	1.6	5.2	20.8	28.6	*
5.64	6.10	0.0	0.0	0.0	0.0	0.0	0.0	4.1	11.8	30.1	30.1	14.6	5.7	2.0	1.6
6.25	6.52	0.0	0.0	0.0	0.0	0.0	2.4	13.3	32.8	33.7	11.7	3.6	1.2	0.6	0.6
6.52	6.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	17.9	15.7	35.2	14.6	4.1	2.3
6.83	6.98	0.0	0.0	0.0	0.0	0.0	0.0	5.5	18.7	32.8	21.7	11.1	5.1	2.1	3.0
6.98	7.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	3.1	39.8	33.6	13.8	8.0
7.47	7.92	0.0	0.0	0.0	0.0	0.0	1.1	4.0	10.9	11.2	23.2	29.0	14.1	4.3	2.2
7.99	8.41	0.0	0.0	0.0	0.0	2.8	3.6	17.4	28.0	19.6	18.5	7.3	1.7	0.6	0.6
8.53	9.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	17.4	43.9	22.7	4.0	1.9	2.2
9.14	9.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.4	15.9	20.3	*
10.36	10.45	19.6	4.7	4.3	5.3	7.5	11.7	16.0	12.6	11.1	3.8	1.3	0.8	0.6	0.6

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 607--Continued															
10.45	10.67	0.0	0.0	0.0	5.2	1.6	5.2	12.4	17.5	27.9	21.1	6.4	1.2	0.8	0.8
11.13	11.37	0.0	0.0	0.0	0.0	0.0	3.5	4.2	9.4	30.9	30.6	16.0	3.1	1.0	1.4
11.37	11.58	0.0	0.0	3.5	3.8	5.2	11.1	15.2	11.1	17.8	15.5	10.2	3.5	1.2	2.0
11.89	11.98	0.0	0.0	0.0	0.0	0.0	3.4	3.1	2.8	3.7	15.9	39.3	22.1	6.9	2.8
12.65	12.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	18.2	27.3	31.3	12.7	4.0	2.7
12.77	12.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.8	8.8	14.9	14.2	*
14.17	14.57	53.3	4.5	3.1	3.7	3.2	3.5	4.2	3.5	3.8	2.6	2.4	2.4	2.0	*
14.94	15.30	3.2	0.0	6.3	4.0	6.9	10.3	15.5	17.4	16.1	8.5	6.4	1.7	1.3	2.5
16.46	16.79	0.0	0.0	10.0	0.0	12.6	0.0	31.9	0.0	26.3	0.0	16.4	0.0	0.2	2.7
17.53	17.65	0.0	0.0	0.0	0.0	0.4	0.4	1.2	2.9	13.4	11.7	8.9	12.5	14.1	*
18.75	18.99	18.7	0.0	20.9	10.9	11.2	11.5	10.1	5.2	3.2	1.9	2.1	1.0	1.0	2.3
18.99	19.17	0.0	0.0	0.0	0.0	0.0	15.0	28.1	25.7	17.4	4.7	2.4	1.6	1.2	4.0
20.36	20.64	9.4	4.3	4.8	7.3	8.0	11.4	21.9	19.4	7.1	2.1	1.4	0.9	0.7	1.4
21.79	22.25	0.0	0.0	0.0	0.0	1.9	2.8	10.8	20.4	35.8	16.9	5.2	2.1	1.4	2.8
22.56	22.86	6.4	4.3	3.4	5.7	6.2	10.0	18.7	16.4	14.8	5.7	3.0	1.8	1.4	2.1
22.86	23.04	0.0	0.0	0.0	0.0	0.0	6.6	9.6	20.7	38.7	15.1	4.8	1.8	0.7	1.8
23.32	23.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	36.5	23.9	13.7	2.6	1.8	2.3
24.26	24.38	4.9	1.4	1.5	2.1	2.7	4.4	7.1	7.2	10.7	8.5	6.4	4.4	3.0	*
PROJECT WELL 701															
1.52	1.75	3.1	0.6	1.2	2.2	4.2	8.1	14.4	18.5	25.6	13.7	4.7	1.7	0.7	1.2
2.29	2.65	5.8	1.5	2.3	5.9	7.7	11.8	18.3	17.4	18.8	6.9	2.0	0.7	0.3	0.6
2.65	2.71	16.6	7.9	9.0	13.1	11.5	10.3	9.2	6.9	7.9	4.2	1.8	0.6	0.3	0.6
3.05	3.29	14.5	3.5	3.5	5.3	6.3	8.4	10.6	10.8	17.6	11.5	4.1	1.6	0.8	1.6
PROJECT WELL 702															
1.22	1.40	2.5	1.2	0.5	0.7	1.0	1.7	4.4	9.1	28.3	29.3	13.4	4.7	1.7	1.5
1.40	1.58	18.5	2.4	2.5	4.1	4.7	7.6	11.2	11.5	16.7	11.4	4.7	1.9	1.0	1.7
1.98	2.21	1.8	0.4	0.6	1.6	2.4	4.5	12.5	22.0	32.2	13.6	4.8	1.8	0.7	1.0
2.21	2.24	5.2	4.7	5.6	8.4	8.9	13.1	15.7	11.0	15.0	8.0	2.3	0.9	0.5	0.7
2.24	2.44	0.0	0.7	0.7	0.9	1.1	1.8	5.7	12.8	36.2	28.6	8.2	1.8	0.5	0.8
2.74	2.96	12.4	3.3	4.6	7.8	9.4	12.0	14.3	11.5	10.9	5.6	2.6	1.1	0.8	3.7
3.72	4.02	6.1	2.5	2.5	4.0	4.3	6.7	11.7	12.8	20.8	15.7	6.6	2.1	1.1	3.0
4.66	4.72	0.0	0.2	0.0	0.0	0.2	0.5	4.4	9.6	16.6	17.8	20.7	16.3	7.9	5.8
5.33	5.64	0.6	0.3	0.3	0.3	0.3	0.3	2.0	8.5	27.6	27.3	17.6	8.5	3.5	3.1
6.10	6.34	0.0	0.3	0.1	0.4	0.6	2.0	10.7	19.0	29.1	20.6	10.9	2.5	1.4	2.3
6.86	7.13	0.0	0.0	0.3	0.1	0.3	0.5	2.9	11.2	46.5	26.7	7.0	2.0	0.8	1.7
7.62	7.92	0.0	0.0	0.7	0.4	0.5	1.7	11.5	18.2	31.6	22.5	8.2	2.6	0.9	1.2
9.14	9.45	3.3	2.7	2.7	4.6	7.3	13.1	13.7	14.6	20.6	9.1	2.7	1.5	1.1	2.9
9.91	10.06	1.5	1.1	2.4	3.5	4.9	10.2	20.0	18.9	20.4	9.8	3.4	1.4	1.0	1.7
10.06	10.21	12.0	5.3	6.4	7.8	8.2	11.0	13.5	10.0	10.9	6.7	2.9	1.5	1.0	2.7
10.67	10.97	7.9	3.5	4.0	5.1	6.6	10.2	17.4	15.9	14.0	6.5	3.0	1.7	1.2	2.8
11.58	11.67	5.4	3.0	3.3	4.0	3.9	6.2	14.8	17.9	22.6	10.9	3.0	1.4	1.0	2.6
11.67	11.89	18.1	4.7	6.4	8.8	8.5	9.8	12.0	9.8	8.2	5.1	2.3	1.6	1.3	3.4
12.80	13.05	8.9	3.0	3.4	4.5	6.0	9.5	15.3	17.8	18.9	5.9	2.3	1.4	1.0	2.2
13.05	13.20	0.5	0.0	0.0	0.5	0.7	4.1	21.2	26.0	28.4	9.6	2.9	1.7	1.2	3.1
13.72	14.02	3.8	1.6	2.1	5.4	7.5	13.4	16.3	16.3	21.1	5.7	1.7	1.1	1.0	3.0
16.76	16.89	24.7	5.7	6.0	8.3	9.1	11.5	12.1	7.0	5.3	2.4	1.5	1.3	1.1	4.0
18.59	18.75	0.0	7.3	1.1	2.0	2.2	3.5	5.9	6.1	8.3	7.0	5.1	3.7	2.9	*

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 703															
1.49	1.55	2.2	2.4	3.1	6.3	11.3	17.1	21.8	14.1	11.8	5.5	2.0	0.9	0.5	1.2
1.55	1.86	3.3	0.7	0.7	1.7	3.3	8.3	19.2	20.4	25.6	11.4	3.0	0.9	0.4	1.0
2.13	2.32	1.4	1.4	2.0	2.7	3.7	5.9	10.7	13.3	22.1	20.1	10.0	3.7	1.2	1.6
2.90	3.14	3.9	1.7	3.1	3.7	5.2	12.9	25.7	18.9	15.5	6.3	1.9	0.6	0.2	0.5
3.14	3.19	0.6	0.1	0.0	0.0	0.3	0.3	1.1	1.8	5.5	8.8	10.7	11.6	20.9	*
3.19	3.35	0.0	0.0	0.0	0.0	0.3	0.5	2.3	8.6	24.5	21.8	18.5	10.8	6.0	6.8
3.66	3.87	0.0	0.0	0.0	0.1	0.5	1.8	9.9	16.7	25.1	18.8	17.8	6.5	1.8	1.2
3.87	3.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.3	5.6	14.4	*
3.99	4.08	0.0	0.0	0.2	0.1	0.2	0.6	3.4	5.4	5.1	8.1	29.6	24.1	12.4	10.8
4.42	4.54	0.0	0.0	0.0	0.0	0.0	0.2	3.3	15.9	30.5	29.6	14.9	4.0	0.9	0.7
4.54	4.88	0.0	0.2	0.0	0.2	0.3	0.8	8.6	30.2	42.7	11.1	3.7	1.3	0.5	0.4
5.18	5.64	0.0	0.3	0.1	0.3	0.4	1.9	10.6	23.5	41.8	16.4	3.4	0.8	0.3	0.3
5.94	6.40	0.0	0.0	0.0	0.0	0.2	0.2	1.7	8.1	32.7	37.0	14.6	3.8	0.9	0.7
6.71	7.01	1.2	0.2	1.0	1.5	2.7	6.6	22.1	19.3	13.1	18.0	9.2	3.2	1.0	0.8
7.07	7.13	0.0	0.0	0.0	0.2	0.2	0.3	1.6	3.7	15.0	36.1	26.2	10.2	3.5	3.1
7.47	7.71	0.0	0.0	0.0	0.0	0.1	0.2	1.8	3.5	8.7	19.5	35.0	21.1	6.8	3.3
PROJECT WELL 704															
1.52	1.65	2.6	0.5	1.1	2.4	4.0	7.5	13.8	14.8	20.2	14.7	7.9	4.3	2.6	3.5
1.65	2.07	1.7	0.8	1.1	2.5	4.1	10.4	25.2	23.4	19.8	7.3	2.3	0.8	0.3	0.5
4.57	4.91	1.7	1.3	1.2	2.8	5.8	11.3	20.1	19.5	22.7	8.7	2.8	0.9	0.5	0.8
6.10	6.37	0.8	2.1	0.5	0.2	0.2	0.3	2.2	5.8	15.0	39.9	20.6	7.1	2.2	3.0
7.62	7.92	0.0	0.7	0.3	0.2	0.3	1.5	8.3	17.6	34.4	21.3	8.6	2.7	1.4	2.7
9.14	9.36	0.7	0.0	0.0	0.0	0.3	0.3	3.3	13.4	35.1	32.1	11.2	2.0	0.7	1.0
10.67	10.97	0.0	0.0	0.3	0.3	0.3	0.4	3.8	16.5	36.6	26.1	11.3	2.3	0.6	1.5
12.19	12.31	1.4	0.3	0.4	0.6	1.3	3.9	12.7	20.5	31.9	17.1	6.6	1.6	0.7	1.0
12.31	12.59	5.3	2.2	3.1	7.6	11.2	16.9	21.4	13.0	9.0	3.7	2.0	1.2	0.8	2.7
12.59	12.62	0.0	0.0	0.0	0.1	0.3	1.0	2.3	1.7	2.2	4.7	15.7	21.9	19.3	*
13.72	14.08	0.0	0.0	0.0	0.1	0.1	0.4	1.4	2.0	3.6	2.8	3.2	6.4	14.4	*
18.29	18.41	30.1	7.9	3.8	3.2	2.9	5.2	11.5	12.5	11.5	4.6	2.3	1.4	1.1	2.0
18.41	18.71	7.9	2.5	3.0	3.9	4.9	8.2	14.1	13.7	17.2	10.1	5.0	3.0	1.8	4.6
22.86	23.01	1.8	1.7	1.4	2.0	2.1	4.1	7.1	7.4	10.8	8.7	6.9	4.5	3.5	*
23.01	23.26	3.4	1.8	1.8	2.1	2.6	4.6	7.4	7.4	10.8	8.5	6.5	4.4	3.4	*
24.38	24.51	4.9	1.5	2.2	4.4	8.1	15.9	21.6	13.8	11.5	6.1	2.6	1.8	1.6	4.1
PROJECT WELL 705															
1.52	1.77	11.9	3.4	3.4	5.3	6.4	8.6	13.7	13.2	17.4	10.2	3.7	1.2	0.7	1.0
3.05	3.57	1.9	0.6	1.0	1.9	3.2	6.5	13.3	15.6	28.3	18.2	6.3	1.7	0.7	0.8
4.57	5.06	0.0	0.0	0.0	0.2	0.2	0.2	1.6	5.7	19.9	33.9	23.0	9.7	3.5	2.1
6.10	6.43	0.0	0.0	0.1	0.1	0.4	2.0	11.7	27.5	39.1	10.7	3.2	1.5	1.2	2.5
7.62	7.80	14.3	4.6	3.9	4.8	4.9	6.6	11.9	19.0	17.5	4.2	2.8	1.6	1.0	2.8
7.80	7.96	2.0	2.0	1.8	2.4	3.0	4.6	11.6	24.3	30.7	7.0	3.4	2.0	2.4	2.6
9.17	9.33	15.1	2.1	2.6	3.3	3.2	4.0	6.2	6.2	7.5	5.1	3.5	3.1	2.9	*
10.67	11.00	26.7	6.0	6.4	8.8	7.2	7.5	9.3	7.3	7.8	4.5	2.5	1.8	1.3	3.0
12.19	12.59	17.7	2.1	3.0	6.3	7.9	11.5	15.0	10.0	11.8	6.1	2.9	2.0	1.2	2.4
13.72	14.08	10.9	3.8	4.5	7.3	8.3	12.3	15.8	11.3	12.0	6.0	2.7	1.7	1.2	2.2
15.24	15.61	12.5	6.0	5.9	8.5	9.4	12.7	15.3	9.7	8.7	4.6	2.3	1.4	0.9	2.1
16.83	16.95	1.1	1.0	1.1	2.0	3.3	7.9	18.4	21.6	26.5	10.2	3.0	1.4	0.8	1.6
16.95	17.19	18.6	4.7	4.4	6.1	6.2	9.2	12.2	10.2	11.1	6.8	3.8	2.1	1.7	2.9

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 705--Continued															
18.29	18.56	2.4	1.5	2.1	3.3	5.7	10.9	18.0	22.4	18.6	8.0	3.0	1.4	0.9	1.7
18.56	18.75	0.9	0.7	0.5	0.7	0.9	1.2	4.5	23.7	47.7	10.3	3.0	2.0	1.7	2.2
19.81	20.15	12.4	6.7	6.0	10.7	12.0	15.4	13.9	7.3	5.5	2.5	1.8	1.5	1.2	3.2
21.37	21.49	1.0	0.9	0.9	2.1	4.0	12.4	28.4	21.9	17.2	5.9	1.6	0.9	0.9	2.0
21.49	21.73	13.9	4.8	4.3	6.7	8.6	10.9	12.1	9.8	13.0	6.0	2.6	1.7	1.4	4.3
22.86	23.10	30.4	5.6	4.6	7.3	8.2	10.5	12.2	7.1	5.4	2.5	1.7	1.3	1.1	2.1
23.10	23.20	6.3	2.0	1.7	2.7	3.1	4.9	7.6	7.2	10.3	7.7	5.7	4.3	3.0	*
24.38	24.66	3.2	1.0	1.6	1.9	2.4	3.4	6.3	6.7	10.8	9.5	7.9	5.6	4.5	*
PROJECT WELL 706															
1.52	1.80	2.0	2.5	3.1	5.1	7.6	14.6	23.7	18.3	12.7	5.4	2.0	0.6	0.6	2.0
2.29	2.35	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.9	1.5	3.1	7.3	15.5	*
2.35	2.41	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	1.0	3.8	14.4	29.1	25.5	*
2.41	2.50	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	7.7	18.5	*
2.50	2.65	0.0	0.3	0.3	0.3	0.3	1.7	6.0	11.1	25.4	29.9	17.7	4.8	1.1	1.1
2.65	2.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.1	0.4	4.4	*
3.81	3.99	0.8	0.2	0.2	0.2	0.5	1.9	9.6	18.1	33.4	22.3	8.7	2.6	0.7	0.7
3.99	4.02	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	1.0	2.0	5.5	14.1	*
4.02	4.24	0.0	0.0	0.0	0.0	0.1	0.5	3.3	13.4	33.1	24.0	12.6	5.3	2.3	5.3
4.57	5.09	0.0	0.0	0.0	0.3	0.6	1.8	9.4	18.6	32.2	23.3	9.1	2.9	0.9	0.9
5.33	5.79	1.4	0.7	0.5	0.7	1.1	3.4	10.8	15.5	30.9	23.0	7.7	2.7	0.9	0.9
6.86	7.22	0.0	0.0	0.0	0.0	0.0	0.8	7.0	10.5	12.5	31.8	23.8	9.3	3.0	1.5
7.22	7.38	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.2	16.4	30.8	26.2	15.3	9.5
8.38	8.84	0.0	0.6	0.0	0.3	0.6	0.9	2.2	4.1	11.0	27.9	31.3	13.5	4.7	2.8
9.45	9.75	10.0	2.6	2.6	2.9	2.9	4.2	6.0	5.7	9.8	17.0	16.8	8.1	4.2	7.1
10.36	10.67	24.1	10.8	7.8	9.0	7.3	8.0	8.8	5.8	5.6	3.7	2.4	1.7	1.2	3.8
PROJECT WELL 707															
1.71	1.86	10.7	3.2	3.2	6.0	7.4	10.9	15.7	13.4	16.5	7.7	2.8	0.9	0.6	1.2
2.29	2.59	0.0	0.0	0.0	0.4	0.9	2.3	5.3	9.1	30.1	32.9	13.7	3.4	1.0	0.9
3.05	3.47	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.8	5.2	26.2	35.4	21.3	7.1	3.4
3.81	4.05	0.0	0.0	0.0	0.0	0.2	0.2	1.0	6.2	35.1	39.3	13.3	3.3	1.0	0.6
4.05	4.21	0.0	0.0	0.1	0.1	0.3	1.0	5.9	18.8	42.7	19.9	7.1	2.4	0.7	1.0
4.57	4.63	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.2	2.6	18.6	*
4.63	4.75	0.4	0.0	0.0	0.0	0.2	0.2	0.2	0.4	2.6	17.5	31.4	23.7	14.0	9.6
4.75	4.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.8	1.2	0.6	3.0	*
4.85	4.97	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.9	24.1	47.6	17.5	6.0	3.4
5.33	5.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.9	7.2	*
6.10	6.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.6	3.0	*
6.31	6.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	*
6.86	7.16	0.2	0.0	0.2	0.3	0.6	1.1	2.6	2.9	3.7	2.2	2.0	2.8	2.1	*
7.16	7.25	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.5	0.8	0.8	3.5	16.4	18.5	*
7.62	7.80	5.2	5.3	9.0	13.8	13.4	13.1	11.9	7.2	5.7	3.2	4.6	3.4	1.6	2.5
8.38	8.63	10.6	5.6	8.8	12.4	14.4	14.3	10.4	6.3	7.2	4.1	2.1	1.1	0.8	1.8
9.60	9.91	3.3	2.7	2.6	4.1	5.5	10.4	20.8	19.9	18.6	7.7	2.6	0.8	0.4	0.6
11.73	12.04	2.1	3.2	3.7	6.5	7.2	11.0	18.9	17.8	16.7	8.2	3.0	1.0	0.3	0.5
14.48	14.63	0.1	0.5	0.3	0.5	0.8	1.5	3.9	5.8	10.6	12.0	19.9	16.5	11.0	*
14.63	15.09	3.0	1.4	2.1	3.0	4.0	5.2	8.0	17.2	33.2	11.6	4.9	2.8	1.7	2.1

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 708															
1.52	1.89	5.1	2.1	2.2	3.7	5.5	8.0	13.9	14.9	23.2	14.3	4.6	1.3	0.6	0.6
2.29	2.53	17.3	4.3	5.0	9.2	10.8	14.5	13.2	7.0	8.0	5.0	3.0	1.5	0.7	0.6
3.05	3.14	0.0	0.0	0.0	0.0	0.2	0.2	0.9	1.9	3.2	7.0	24.3	30.9	19.7	11.7
3.14	3.38	0.4	0.0	0.2	0.2	0.4	2.0	11.8	25.3	33.1	13.0	8.5	3.3	1.3	0.7
3.81	4.21	0.1	0.2	0.4	0.5	0.9	2.1	9.8	22.5	31.5	19.8	7.8	2.6	1.0	1.0
4.57	4.97	0.0	0.0	0.1	0.1	0.7	3.0	16.0	30.9	31.1	10.8	4.7	1.7	0.5	0.4
5.36	5.49	0.0	0.0	0.1	0.1	0.1	0.1	0.7	6.5	34.9	26.6	13.6	10.0	4.6	2.6
5.49	5.64	0.0	0.0	0.0	0.1	0.1	0.1	1.3	4.4	15.6	25.9	33.1	13.4	3.9	2.0
6.10	6.28	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	1.7	8.0	24.3	23.8	*
8.08	8.38	1.3	1.3	2.8	7.6	9.1	11.1	12.0	11.9	16.5	9.4	5.6	3.8	2.8	4.9
PROJECT WELL 709															
2.29	2.65	4.2	0.7	2.0	3.1	6.8	14.3	22.3	15.7	18.3	8.0	2.0	0.7	0.5	1.3
3.20	3.57	5.3	4.2	4.3	8.4	11.1	15.0	16.0	9.2	12.2	8.6	3.2	1.0	0.5	1.0
3.81	4.11	3.9	1.9	3.0	4.3	10.2	15.9	23.3	15.0	13.6	5.5	1.9	0.7	0.3	0.6
4.57	4.88	1.9	2.5	3.6	4.8	5.8	9.4	18.1	15.8	18.3	10.2	5.7	2.1	0.8	0.8
5.33	5.70	0.0	0.0	0.3	0.3	0.3	0.3	0.9	4.4	24.9	34.4	20.0	8.9	3.5	1.9
6.10	6.43	1.1	0.3	0.4	0.5	0.4	1.0	7.5	24.8	42.7	14.3	4.7	1.2	0.5	0.6
6.86	7.22	0.0	0.0	0.2	1.2	2.0	7.3	21.2	29.8	25.4	6.1	3.4	1.5	0.7	1.2
7.62	7.89	2.5	2.2	2.1	3.7	5.1	9.1	13.7	13.2	16.8	11.7	9.1	5.2	2.6	3.1
8.23	8.53	21.3	14.2	10.8	9.8	8.3	9.8	10.8	6.5	4.6	1.9	0.9	0.4	0.3	0.4
PROJECT WELL 710															
1.52	1.92	4.1	5.4	5.1	6.4	5.9	9.0	13.8	14.9	18.7	9.5	3.1	1.0	0.8	2.3
3.05	3.20	7.4	2.6	3.2	4.5	5.1	7.8	12.6	14.4	21.6	12.6	4.5	1.6	0.8	1.3
3.20	3.29	49.4	2.6	3.1	4.0	4.3	5.4	6.4	5.0	6.4	4.7	3.3	2.2	1.2	2.1
3.29	3.47	0.0	0.0	0.0	0.2	0.4	0.7	0.9	0.9	3.5	13.1	20.4	21.7	17.1	21.
4.57	4.88	0.9	0.6	0.2	0.4	0.8	3.5	14.2	25.4	27.3	15.0	7.5	2.3	0.8	1.2
6.10	6.22	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	8.0	40.5	31.8	12.5	5.7
6.22	6.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.0	2.8	10.1	21.3	*
6.34	6.52	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.9	7.2	20.5	21.6	22.1	14.0	12.8
7.92	8.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	5.3	35.0	41.9	11.8	3.3	2.5
8.23	8.84	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.8	6.4	33.6	36.7	14.1	4.5	2.8
8.84	8.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	10.2	33.2	35.8	12.4	4.6	3.5
9.75	10.06	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	3.5	22.5	48.3	16.1	4.3	3.9
PROJECT WELL 801															
1.22	1.71	0.0	0.1	0.1	0.1	2.6	0.3	10.8	16.0	23.7	20.8	11.9	4.7	3.2	5.5
1.95	2.19	0.0	0.5	0.3	0.8	1.0	2.4	7.6	12.8	24.4	19.7	9.7	4.1	4.0	12.6
2.19	2.23	18.0	3.4	2.7	4.6	5.7	8.0	12.3	13.2	16.9	9.3	3.2	0.9	0.7	1.1
2.44	2.65	31.0	7.2	6.7	8.7	8.1	8.2	8.9	5.8	5.7	3.6	2.2	1.1	0.8	2.2
2.65	2.90	10.9	2.0	1.5	2.5	2.8	5.4	10.7	13.1	20.9	14.9	6.2	2.3	3.8	3.0
3.05	3.17	0.0	1.1	1.3	2.9	5.6	10.6	19.3	19.2	21.2	10.2	3.5	1.2	1.0	2.7
3.17	3.38	0.0	12.9	4.3	6.9	8.7	13.0	17.5	13.7	11.5	5.1	2.2	1.0	0.7	2.5
3.66	3.78	46.3	9.4	8.9	10.0	7.1	4.8	3.4	2.3	2.4	1.5	1.0	0.6	0.6	1.7
3.78	4.02	0.0	0.2	0.0	0.2	0.2	0.2	0.3	0.5	1.2	5.7	25.9	30.3	19.9	15.6
4.27	4.45	0.0	0.0	0.4	0.4	0.1	0.4	0.2	0.2	0.4	0.4	2.2	8.5	16.5	*
4.45	4.54	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.0	*
4.54	4.69	0.0	2.0	1.7	3.2	4.1	5.4	7.1	8.3	17.6	23.9	15.3	5.0	2.8	3.7
4.88	5.30	0.0	2.8	1.2	2.2	3.9	8.0	17.6	20.2	23.5	10.9	4.9	1.8	1.0	2.0

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 801--Continued															
5.30	5.40	0.0	13.0	6.1	10.8	12.0	13.4	14.8	9.1	7.9	4.3	2.8	1.4	1.4	3.1
5.40	5.43	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.9	1.0	3.3	3.3	12.3	*
5.49	5.61	0.0	0.6	0.4	0.2	0.6	0.8	2.9	7.5	21.3	27.8	21.5	10.0	4.0	2.5
5.61	5.67	0.0	0.0	0.0	0.0	0.1	0.2	1.0	3.4	6.9	6.0	5.2	9.8	21.9	*
5.67	5.79	0.0	0.0	0.3	0.3	0.3	0.5	2.8	8.4	16.5	18.0	25.6	17.5	7.3	2.8
5.82	6.04	0.0	0.0	0.0	0.0	0.2	0.2	3.1	8.8	27.1	34.8	17.9	5.2	1.4	1.2
6.10	6.64	0.0	6.0	0.1	0.2	0.4	1.1	6.1	15.7	27.6	23.3	12.6	4.2	1.3	1.3
6.71	7.07	0.0	0.0	0.0	0.2	0.2	0.1	0.4	4.1	23.0	36.0	27.9	5.9	1.4	0.8
7.32	7.92	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.7	8.7	23.0	30.7	18.3	11.6	6.5
7.92	8.26	0.0	0.0	0.0	0.0	0.2	0.2	0.6	1.7	5.3	17.3	44.2	15.6	8.2	6.7
8.26	8.35	0.0	8.8	1.2	2.1	3.4	5.7	11.1	14.3	23.6	15.0	8.8	3.2	1.6	1.3
8.35	8.44	34.4	4.8	5.2	7.8	9.3	9.6	7.3	4.7	7.1	4.9	2.4	0.8	0.7	1.1
8.53	8.63	0.0	0.8	0.3	0.5	0.5	0.5	1.3	3.1	10.5	16.7	25.7	18.5	13.6	8.0
8.63	8.69	0.0	5.9	3.4	6.5	8.9	16.3	22.9	13.6	12.0	5.4	2.3	1.0	0.6	1.2
8.69	9.14	0.0	0.0	0.4	0.2	0.4	1.2	9.2	19.6	30.2	22.0	12.6	2.6	0.8	0.8
9.14	9.17	0.0	4.4	1.8	2.1	2.3	3.0	4.5	5.9	11.4	13.2	18.5	15.7	10.6	6.7
9.17	9.33	17.7	2.6	3.8	5.9	6.4	8.7	10.0	6.8	9.7	8.3	9.0	4.5	3.2	3.3
9.33	9.39	8.2	1.2	1.8	2.5	2.8	3.1	3.3	3.7	8.4	12.8	23.4	12.4	8.9	7.5
9.39	9.63	0.0	0.0	0.0	0.1	0.1	1.3	15.6	28.3	28.9	16.0	6.1	1.8	0.7	1.0
9.75	10.03	0.0	4.7	1.0	1.8	2.1	3.9	10.2	15.5	27.1	18.0	9.0	3.4	1.9	1.4
10.03	10.15	48.9	3.3	3.0	2.7	2.3	2.1	2.7	4.9	11.9	8.8	4.2	2.0	1.2	2.0
10.15	10.18	0.0	0.4	0.1	0.4	0.5	0.6	1.5	6.5	39.6	30.6	10.0	4.2	2.2	3.2
10.36	10.73	0.0	6.0	0.5	0.9	1.2	1.7	5.6	11.5	29.2	25.0	10.4	3.9	1.9	2.2
10.97	11.06	0.0	2.4	1.1	1.7	2.3	2.5	4.8	9.1	26.1	25.2	12.0	6.1	3.5	3.3
11.06	11.25	45.6	6.4	5.0	4.3	3.2	2.7	3.0	4.2	8.3	6.6	3.5	1.9	1.4	3.9
11.58	11.77	0.0	9.8	3.2	3.5	2.6	2.5	4.8	7.6	17.4	18.7	11.4	7.3	4.6	6.6
12.19	12.50	43.1	5.3	4.6	4.4	3.8	4.8	6.7	5.3	5.8	4.1	2.8	2.1	1.9	5.3
12.80	12.92	59.7	3.2	2.6	3.1	3.1	4.1	5.9	4.6	4.8	3.2	1.9	1.1	0.8	1.9
12.92	13.05	21.7	4.5	4.4	4.6	4.5	6.9	11.5	8.9	8.3	6.3	6.0	3.9	2.3	6.4
13.41	13.50	17.2	2.3	2.8	3.6	3.8	5.7	8.0	6.9	11.3	12.1	8.2	5.2	4.4	8.5
13.50	13.62	24.6	4.3	4.4	6.4	6.4	8.2	11.0	9.1	9.4	6.0	3.5	2.0	1.5	3.3
13.62	13.72	0.0	0.7	0.4	1.1	2.2	5.2	16.8	22.4	24.9	13.9	6.5	2.0	1.1	2.7
14.02	14.39	9.8	3.7	4.0	6.8	7.3	10.4	14.7	12.4	12.1	7.0	4.0	2.3	1.9	3.7
14.63	14.81	4.6	4.3	4.5	7.0	7.1	9.3	13.9	13.1	15.5	10.0	5.3	2.2	1.3	2.0
15.24	15.51	0.0	6.4	3.0	4.6	6.4	10.8	16.7	13.5	14.4	9.9	5.4	2.8	1.8	4.2
15.85	16.46	0.0	4.9	2.9	5.2	6.6	10.5	17.1	15.0	16.1	10.0	5.9	2.2	1.3	2.2
PROJECT WELL 805															
6.71	7.01	0.0	0.0	0.1	0.1	0.3	0.4	0.7	0.7	1.4	4.1	20.5	33.6	21.8	16.4
7.01	7.35	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.3	0.7	4.6	27.8	31.2	21.0	13.6
7.35	7.47	0.0	0.0	0.0	0.0	0.1	0.2	0.9	0.7	2.7	9.4	31.6	29.5	16.5	8.4
7.47	7.53	0.0	0.0	0.0	0.2	0.2	0.5	0.2	0.5	6.2	9.9	11.7	31.9	23.2	15.8
7.53	7.68	0.0	0.1	0.2	0.5	0.5	0.7	1.8	4.8	42.2	37.0	8.4	2.3	0.7	0.7
7.68	7.71	0.0	0.0	0.2	0.0	0.0	0.2	0.6	1.1	7.8	12.1	16.5	26.8	21.4	13.2
7.71	7.86	0.0	0.0	0.0	0.2	0.2	0.3	0.8	1.2	9.0	36.0	29.8	12.4	5.7	4.3
7.92	8.41	3.4	0.1	0.6	0.7	1.0	1.5	2.8	3.6	17.2	35.5	21.0	7.6	2.7	1.9

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 806															
0.21	0.42	5.3	1.6	1.3	2.3	3.1	6.1	14.7	19.2	23.1	13.7	5.9	2.1	0.8	0.9
0.52	0.73	4.7	1.9	2.8	5.8	7.8	11.1	14.6	13.0	14.1	8.2	5.5	3.8	2.6	4.2
0.73	0.89	3.4	2.8	3.6	7.3	10.2	18.0	24.1	15.8	9.3	2.8	1.0	0.5	0.3	1.0
1.05	1.20	1.8	0.5	1.2	1.4	2.0	3.7	10.1	14.5	31.0	20.6	8.1	2.7	1.1	1.5
1.20	1.33	8.4	3.9	5.9	9.4	10.4	12.0	14.3	11.0	11.3	6.2	2.7	1.2	0.7	2.6
1.33	1.41	1.1	0.7	1.0	1.4	2.2	5.6	18.8	24.2	24.6	12.2	5.0	1.9	0.7	0.7
1.57	2.04	3.9	1.6	3.9	7.8	10.7	16.9	19.5	13.2	12.9	6.2	2.3	0.8	0.4	0.0
2.09	2.22	6.9	3.2	4.0	5.0	6.2	9.1	13.9	13.8	17.1	10.6	4.8	1.9	1.1	2.5
2.22	2.43	27.5	5.9	5.2	7.1	7.6	10.6	12.9	8.3	6.5	3.0	1.3	0.7	0.6	2.8
2.62	2.75	0.0	0.0	0.0	12.5	11.7	11.8	11.9	10.5	11.8	8.3	5.4	3.5	2.7	9.9
2.75	2.91	5.1	2.3	2.8	4.6	5.6	8.4	14.5	15.5	19.3	12.7	5.3	1.7	0.8	1.4
3.14	3.32	5.7	3.3	5.1	7.9	10.3	14.5	16.0	11.2	12.8	7.0	3.1	1.1	0.7	1.3
3.32	3.40	2.2	0.3	1.3	1.9	2.9	6.6	13.4	13.4	23.1	21.1	9.4	2.6	0.9	0.9
3.66	3.93	20.1	3.5	4.8	7.3	9.2	11.4	16.9	12.2	8.8	3.1	1.2	0.5	0.4	0.5
4.19	4.29	30.0	4.6	4.4	5.9	7.9	10.6	12.2	8.2	7.2	3.9	2.0	1.0	0.8	1.4
4.29	4.33	0.0	0.0	0.1	0.3	0.6	0.7	0.8	0.8	1.1	1.6	3.0	8.5	21.9	*
4.33	4.42	0.0	0.0	0.0	0.1	0.2	0.2	0.5	0.9	3.3	13.2	27.8	23.8	16.4	13.6
4.45	4.87	0.0	0.0	0.1	0.1	0.1	0.1	1.0	3.4	16.7	26.7	19.0	13.8	10.1	8.8
4.87	4.92	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.3	0.9	2.2	10.5	17.4	20.9	*
4.92	4.97	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	3.8	18.7	32.2	21.3	12.3	11.1
5.03	5.08	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	1.0	2.2	11.2	21.5	*
5.08	5.26	0.0	0.0	0.0	0.0	0.1	0.1	0.6	1.2	1.9	3.6	18.0	35.6	23.3	15.5
5.26	5.42	0.3	0.3	0.3	0.5	0.8	2.9	11.4	26.3	38.6	13.1	2.6	1.0	0.9	1.3
5.50	5.99	0.0	0.0	0.1	0.1	0.1	0.5	2.7	7.7	31.2	36.7	14.6	4.0	1.4	1.0
6.02	6.44	0.2	0.0	0.0	0.0	0.0	0.6	4.9	14.7	42.7	24.4	8.7	2.2	0.7	0.8
6.54	7.07	0.0	0.0	0.0	0.0	0.5	3.6	9.6	17.6	29.7	26.9	10.1	1.5	0.2	0.3
7.07	7.49	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.0	43.3	31.3	9.9	2.0	0.6	0.8
7.59	7.69	0.5	0.2	0.3	0.8	2.2	6.8	20.8	19.0	16.0	10.2	7.1	4.6	3.1	8.5
7.69	7.93	0.4	0.1	0.4	0.8	3.2	14.4	36.2	20.9	12.4	5.8	3.2	0.9	0.7	0.5
8.11	8.27	0.0	0.3	0.1	0.3	0.4	1.5	8.3	15.7	31.8	22.9	9.8	4.1	1.8	3.0
8.38	8.48	56.4	4.0	4.4	4.4	4.9	6.8	7.3	3.6	3.1	2.3	1.4	0.8	0.5	0.0
8.48	8.72	0.0	0.4	0.3	0.9	1.9	3.6	7.0	7.2	10.8	9.6	13.0	15.5	13.3	16.5
9.42	9.61	0.4	0.4	0.2	1.7	4.5	8.7	15.6	14.0	15.6	8.2	7.5	7.5	6.7	8.9
9.61	9.71	0.0	0.0	0.1	0.3	0.9	3.2	8.9	7.3	10.3	5.1	5.2	10.0	17.1	31.6
9.95	10.15	38.9	1.3	0.7	2.3	4.0	6.4	8.0	5.4	5.9	4.7	6.0	5.5	5.9	5.0
10.47	10.84	0.1	0.9	2.3	5.9	10.3	17.2	24.0	11.1	7.8	5.1	3.3	2.4	2.4	7.3
10.99	11.20	1.6	0.9	1.5	3.5	6.1	12.7	25.9	15.7	10.7	6.5	3.7	2.4	2.4	6.2
11.20	11.25	18.6	0.9	0.9	1.5	2.4	6.1	14.9	11.6	9.6	7.6	5.8	4.7	5.0	10.4
11.52	11.88	7.2	0.4	0.4	1.8	3.5	9.9	22.0	14.5	11.3	8.5	6.1	4.7	3.9	5.8
12.04	12.20	0.0	0.0	0.1	0.8	2.2	6.6	17.7	12.5	11.5	11.5	9.1	7.0	6.8	14.1
12.43	12.59	0.0	0.3	0.5	2.7	4.0	8.1	17.3	15.1	16.5	12.7	8.4	4.7	3.6	6.1
12.59	12.67	0.8	4.0	7.6	10.1	8.8	10.6	15.8	12.1	11.8	7.2	3.9	2.1	1.7	3.6
12.67	12.82	13.4	8.6	8.8	9.1	7.0	7.4	10.2	8.7	9.8	6.0	3.3	1.9	1.5	4.4
12.82	13.09	0.0	0.5	0.5	1.1	1.7	3.7	9.4	10.3	14.2	13.7	11.7	8.6	7.6	17.0
13.09	13.16	7.1	5.9	6.0	7.6	7.0	8.2	11.5	12.1	14.0	8.5	3.9	2.2	1.6	4.5
13.35	13.48	9.5	1.7	2.6	4.4	5.3	8.6	14.3	12.3	14.0	10.1	5.9	3.7	3.0	4.7

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 810															
0.61	0.69	0.0	0.1	0.1	0.3	1.4	5.6	16.8	20.5	26.1	16.4	7.2	2.6	1.1	1.8
0.84	0.91	0.0	0.3	0.8	1.4	2.2	4.4	12.9	20.0	31.3	17.5	5.9	1.4	0.6	1.3
1.46	1.54	3.2	2.4	2.9	5.2	6.8	10.6	16.2	15.5	20.5	10.3	4.2	1.3	0.6	0.5
1.54	1.62	25.6	3.0	3.9	6.2	6.8	10.8	14.4	9.8	9.2	4.8	2.6	1.2	0.8	0.8
1.94	2.01	1.2	2.7	3.7	7.5	11.7	22.1	27.3	12.4	7.2	2.3	0.8	0.5	0.3	0.3
2.09	2.15	5.0	5.3	7.2	10.8	12.8	15.3	16.0	9.0	8.7	4.9	2.0	0.9	0.7	1.4
3.15	3.23	1.2	0.7	1.3	2.6	4.0	8.7	22.3	23.6	22.3	8.5	2.7	0.9	0.5	0.6
3.31	3.38	19.1	7.8	6.4	8.0	7.4	8.0	9.0	9.5	13.0	5.9	2.5	1.1	0.8	1.4
3.69	3.76	0.0	0.0	0.1	0.1	0.2	0.5	1.5	5.3	36.4	33.2	13.9	5.2	2.0	1.5
3.76	3.84	0.0	0.1	0.0	0.1	0.4	0.7	3.4	13.4	39.1	25.9	10.9	3.4	1.2	1.3
4.31	4.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.3	16.0	38.9	28.2	15.0
4.62	4.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	17.3	38.2	28.3	10.7	3.0	2.0
4.98	5.06	0.0	0.0	0.0	0.0	0.0	0.0	1.7	10.1	36.0	34.2	12.9	3.3	1.1	0.8
5.14	5.21	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.9	11.1	39.4	33.0	9.9	2.7	2.4
5.76	5.84	0.0	0.0	0.1	0.4	1.0	2.8	10.0	21.9	37.0	16.4	6.4	2.4	0.8	0.9
5.84	5.91	0.1	0.1	0.4	1.2	2.7	7.7	21.4	25.8	24.5	8.2	4.1	1.8	0.8	1.1
6.25	6.32	0.0	0.1	0.1	0.1	0.2	1.7	9.1	22.0	37.6	17.1	7.4	2.8	1.1	0.7
6.32	6.40	0.0	0.0	0.0	0.0	0.2	0.6	3.5	18.8	38.8	23.2	10.2	3.0	1.1	0.8
6.78	6.86	1.8	0.6	0.4	0.5	1.0	2.3	9.3	23.5	34.8	16.8	6.5	1.7	0.5	0.6
6.86	6.93	0.4	0.1	0.1	0.3	0.6	1.3	5.6	22.7	39.1	19.4	7.4	1.9	0.6	0.5
7.47	7.54	0.0	0.0	0.0	0.0	0.2	1.7	19.3	32.2	29.4	11.5	4.1	1.1	0.3	0.3
7.54	7.62	0.0	0.0	0.0	0.0	0.0	0.7	14.1	34.3	33.5	11.6	3.7	1.2	0.4	0.4
8.20	8.28	0.0	0.0	0.0	0.0	0.1	0.1	0.5	2.0	17.4	42.7	29.2	5.5	1.2	1.1
8.28	8.35	0.0	0.0	0.0	0.1	0.3	1.4	4.6	19.2	38.2	27.2	4.6	1.2	1.0	2.2
PROJECT WELL 811															
0.49	0.55	0.0	5.6	5.7	9.4	9.9	10.5	12.5	10.9	15.1	9.7	4.2	1.8	1.3	3.5
0.61	1.07	10.4	3.2	3.1	4.5	6.3	12.2	19.8	15.3	13.3	6.1	2.3	0.8	0.5	2.2
1.22	1.58	1.8	1.3	1.5	3.0	4.4	7.3	12.7	13.7	22.9	18.5	7.8	2.2	0.8	2.0
1.58	1.68	12.5	5.2	5.4	8.4	10.8	13.4	11.3	5.5	7.0	10.7	5.7	1.4	0.8	2.0
2.13	2.18	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.5	0.7	0.7	1.4	4.2	11.1	*
2.18	2.19	0.0	0.4	0.0	0.2	0.4	1.0	4.4	9.1	19.1	14.9	13.3	15.1	11.0	11.0
2.44	2.90	0.0	0.0	0.2	0.2	0.2	0.6	2.5	8.2	38.0	36.3	10.4	2.5	0.6	0.3
3.05	3.57	0.0	0.2	0.2	0.3	0.2	0.2	3.3	13.8	43.4	27.4	7.7	2.3	0.6	0.5
3.66	3.96	0.2	0.1	0.2	0.3	0.6	1.6	7.4	20.5	36.6	20.7	8.9	2.1	0.6	0.3
3.96	4.08	0.0	0.5	0.3	0.8	1.6	3.6	10.7	21.6	34.8	16.5	6.7	1.7	0.5	0.5
4.48	4.57	10.4	0.9	1.6	2.7	5.3	9.7	10.1	10.9	22.9	16.8	5.6	1.6	0.7	1.0
4.57	4.72	0.0	0.3	0.3	0.7	1.3	2.8	7.9	19.0	34.0	24.3	4.3	2.0	2.1	1.0
4.72	4.79	0.0	0.0	0.2	0.2	0.5	0.5	1.7	3.1	5.2	15.6	41.4	23.9	5.9	1.9
4.88	5.15	3.5	2.2	2.8	4.9	7.2	8.8	7.4	8.0	25.5	20.5	6.6	1.6	0.4	0.4
5.18	5.40	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.6	3.6	18.8	19.2	21.4	34.2
5.49	5.52	0.0	0.0	0.1	0.1	0.4	0.4	0.7	1.0	1.7	2.1	7.2	24.6	33.1	28.6
5.52	5.67	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.5	0.6	7.8	31.0	30.6	28.3
5.67	5.73	0.0	0.0	0.1	0.3	0.3	0.3	0.6	0.7	2.4	10.8	19.9	29.5	19.9	15.4
5.88	6.07	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	8.8	27.8	32.6	16.5	7.9	5.6
6.10	6.19	0.4	0.0	0.0	0.2	0.4	0.7	1.2	1.8	14.6	42.9	25.5	7.7	2.8	1.8
6.19	6.31	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.6	11.7	42.4	33.2	8.2	2.1	1.2
6.31	6.55	0.0	0.8	0.8	1.1	1.8	3.4	6.4	7.5	26.9	35.7	9.8	2.8	1.4	1.6
6.71	6.89	2.5	1.3	0.8	1.7	2.0	2.9	5.8	7.4	24.0	31.9	12.8	3.4	1.5	1.9

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 811--Continued															
6.89	7.13	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	1.9	7.4	14.4	14.6	14.2	*
7.32	7.53	16.0	8.4	8.7	9.3	8.3	8.3	7.7	5.2	7.1	6.3	5.0	2.5	1.2	*
7.92	8.32	0.0	7.8	5.0	5.9	8.1	11.8	17.4	15.6	14.7	6.2	2.4	1.4	1.1	2.7
8.53	8.87	32.4	3.5	4.0	6.8	7.9	10.2	10.6	7.1	7.5	4.4	1.7	0.8	0.7	2.4
9.14	9.51	10.3	3.7	3.8	6.9	9.0	11.5	13.8	10.5	12.8	7.9	4.2	2.0	0.8	2.8
9.75	10.03	0.0	5.2	4.4	7.3	9.6	12.1	14.4	11.6	16.2	9.0	3.3	1.7	1.3	3.9
10.03	10.12	0.0	0.0	0.0	0.1	0.3	0.2	0.4	1.9	24.5	39.5	17.9	7.6	3.5	4.1
10.36	10.55	0.0	2.9	3.2	5.9	7.4	9.6	13.2	12.1	18.0	12.7	6.6	3.2	1.9	3.4
10.55	10.73	0.0	0.0	0.1	0.1	0.3	0.4	0.5	0.9	11.1	39.7	28.9	10.5	4.2	3.2
10.77	10.81	0.2	0.0	0.4	0.0	0.2	0.2	0.2	0.2	3.3	29.5	42.0	17.0	6.2	0.4
10.81	10.84	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	3.1	4.2	5.2	7.3	8.4	*
10.97	11.16	0.0	0.1	0.2	1.0	3.1	8.3	14.0	10.2	15.7	20.5	13.6	6.8	2.9	3.5
11.16	11.28	8.5	6.4	8.3	12.7	12.1	13.8	12.0	5.7	4.9	5.4	4.6	2.2	1.3	2.2
11.58	11.73	2.8	3.6	7.6	10.5	11.5	13.5	13.8	8.5	9.1	8.4	5.1	2.5	1.2	1.9
11.73	11.92	40.4	5.7	5.6	6.1	5.4	5.2	4.7	3.1	3.1	2.8	3.2	2.6	2.0	*
11.92	12.01	50.8	3.9	3.6	5.0	5.6	6.7	7.0	3.8	3.9	2.8	2.5	1.7	1.3	1.4
12.07	12.13	0.0	0.2	0.0	0.2	0.2	0.2	0.3	0.3	2.3	12.4	23.6	19.9	13.1	*
12.19	12.44	0.0	3.3	2.3	4.9	5.7	9.1	15.1	16.8	23.7	11.0	3.5	1.4	1.0	2.3
12.44	12.50	0.0	1.9	1.2	1.7	1.9	3.2	7.0	9.3	20.4	28.0	16.0	5.8	1.7	1.7
12.80	13.05	12.3	3.7	3.5	6.3	6.3	6.8	7.1	5.5	8.3	9.0	9.1	6.6	4.3	*
23.17	23.47	7.1	1.9	3.1	5.8	7.0	12.4	19.2	13.7	12.2	7.4	3.6	1.7	1.7	3.2
23.47	23.77	1.2	1.3	1.5	2.4	3.0	4.6	7.7	7.7	10.8	8.5	6.4	4.1	3.1	*
PROJECT WELL 812															
0.30	0.55	0.0	0.7	0.8	1.8	3.4	7.1	14.5	16.6	22.1	13.4	5.7	2.8	2.4	8.7
0.55	0.64	0.0	3.4	3.1	4.2	4.2	6.7	12.2	14.7	21.4	12.4	4.6	2.3	2.5	8.2
0.64	0.73	9.7	5.0	4.3	4.8	4.8	7.0	11.4	12.5	17.5	10.9	4.3	2.0	1.8	3.9
0.73	1.01	0.0	3.7	2.5	5.0	5.6	7.4	11.6	12.4	18.9	13.2	5.7	2.8	2.8	8.5
1.01	1.22	3.3	3.3	4.1	6.2	6.7	8.6	11.9	11.7	16.2	10.5	4.9	2.5	2.5	7.5
1.22	1.37	15.7	4.2	4.2	7.2	7.4	9.8	13.3	11.2	11.9	5.8	2.7	1.7	1.4	3.5
1.37	1.52	22.2	6.0	5.3	5.5	5.7	7.0	9.8	9.5	11.7	6.7	3.3	1.6	1.3	4.4
1.86	1.89	0.0	0.8	1.3	1.7	2.5	4.5	7.5	8.5	19.0	20.7	14.5	8.7	5.0	5.2
1.89	1.98	10.7	1.1	1.7	3.4	5.2	9.9	15.7	14.0	15.7	10.4	6.0	2.6	1.4	2.3
1.98	2.10	22.9	4.6	4.2	5.6	6.4	9.5	13.4	9.5	9.1	5.4	2.8	1.5	1.2	3.9
2.10	2.26	0.0	1.7	1.7	4.1	8.4	16.7	22.2	18.6	15.8	4.7	1.8	1.1	0.8	2.6
2.44	2.56	0.0	0.4	0.7	1.1	1.2	1.6	3.6	11.1	36.3	28.8	10.1	2.4	0.9	2.0
2.59	2.65	0.0	1.4	1.7	3.0	4.7	8.6	17.1	18.4	23.6	12.7	4.1	1.4	1.1	2.3
2.65	2.77	14.8	4.3	4.6	8.6	8.4	11.2	13.8	10.4	10.5	5.4	2.5	1.2	1.2	3.1
3.26	3.44	0.0	1.9	0.5	1.0	1.3	2.7	7.8	12.7	25.4	23.8	12.9	4.8	2.2	3.0
3.72	3.93	4.1	1.2	2.5	4.2	6.0	9.8	14.5	11.8	16.8	15.1	8.5	2.9	1.2	1.3
3.96	4.02	0.0	0.0	0.2	0.2	0.3	0.5	0.8	0.9	3.6	13.1	27.6	24.7	15.3	12.9
4.02	4.15	0.0	0.0	0.1	0.1	0.3	1.6	6.4	12.5	28.5	25.9	13.7	5.3	2.3	3.0
4.42	4.72	0.0	0.0	0.0	0.0	0.0	0.2	1.5	8.6	31.8	34.3	15.5	4.2	2.0	1.9
4.97	5.09	0.0	0.3	0.0	0.3	0.3	0.9	6.4	20.8	37.2	22.3	7.3	2.0	1.0	1.5
5.15	5.27	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.2	33.9	45.6	11.7	2.2	0.7	1.3
5.30	5.43	0.0	0.0	0.0	0.0	0.0	0.3	8.6	37.7	41.7	6.2	2.3	1.0	0.9	1.3
5.49	5.55	0.0	0.0	0.0	0.2	0.2	0.7	3.8	10.8	27.6	30.9	16.3	5.5	2.2	1.9
5.64	5.88	0.0	0.2	0.1	0.1	0.4	2.0	13.9	27.6	33.2	11.2	6.5	2.5	0.8	1.3
5.91	6.07	0.0	0.1	0.0	0.1	0.1	0.4	2.8	4.6	8.7	16.5	34.2	22.8	6.4	3.1

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 812--Continued															
6.10	6.16	0.0	1.0	0.0	0.0	0.4	0.6	5.6	20.9	35.0	19.3	9.7	3.8	1.8	2.0
6.16	6.40	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.8	20.1	33.1	26.4	11.8	3.5	1.8
6.49	6.58	0.0	0.0	0.0	0.0	0.1	0.1	0.3	3.0	24.5	34.9	22.5	9.9	3.1	1.6
6.74	6.77	0.0	0.0	0.0	0.0	0.5	3.2	3.2	6.9	11.3	12.4	32.5	18.2	9.8	2.1
6.77	6.83	0.0	0.2	0.2	0.5	0.8	3.5	14.0	21.2	24.7	13.7	12.4	5.3	1.8	1.7
6.95	7.25	0.0	0.4	0.2	0.2	0.2	0.2	1.6	12.2	43.6	26.2	9.5	3.5	1.4	1.0
7.41	7.71	1.6	0.4	0.4	0.3	0.3	0.4	2.4	10.8	31.5	26.4	15.5	7.0	2.3	0.9
7.71	7.86	0.0	1.0	0.3	0.3	0.5	1.3	4.3	9.6	28.9	28.5	15.9	6.6	1.8	0.8
8.08	8.17	0.0	0.7	0.3	1.0	2.8	9.4	26.1	22.1	15.5	9.2	7.3	3.4	1.2	0.9
8.17	8.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	3.1	*
8.63	8.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.6	14.8	*
8.87	8.93	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	3.5	1.9	8.3	20.2	24.5	*
9.17	9.33	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	1.6	0.5	0.5	4.6	17.2	*
9.36	9.39	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.7	0.7	0.3	0.3	1.4	*
9.39	9.45	3.4	3.9	4.0	6.1	6.8	8.1	8.3	6.4	7.9	7.2	6.4	5.2	6.1	20.2
9.45	9.66	18.8	8.0	9.2	10.2	8.7	8.3	6.9	5.5	7.7	5.4	2.7	1.6	1.4	5.6
9.75	10.00	10.9	6.8	7.9	10.2	10.5	11.7	11.7	8.1	8.6	5.6	2.8	1.3	1.0	2.9
10.06	10.15	0.0	3.8	2.9	5.0	6.1	8.6	14.1	24.0	25.2	4.4	1.5	0.8	0.8	2.9
10.36	10.61	13.0	4.4	5.6	9.3	10.2	12.3	13.5	10.5	13.3	3.6	1.1	0.6	0.7	1.9
25.30	25.91	0.0	0.0	0.0	0.0	0.0	0.4	2.7	5.4	21.4	40.2	21.0	5.4	1.9	1.5
[1]25.91	25.91	0.0	1.8	1.0	1.8	2.2	3.4	5.5	5.5	7.9	6.2	4.5	3.0	1.2	*
26.52	26.82	0.0	3.8	1.3	2.2	3.0	4.3	7.3	7.5	10.5	8.6	6.2	4.3	3.5	*
PROJECT WELL 813															
0.00	0.15	0.0	3.4	2.1	2.9	4.0	7.1	13.7	15.1	21.4	13.6	6.1	2.7	2.4	5.3
0.15	0.37	1.0	1.8	1.3	2.8	3.9	7.0	14.1	15.7	21.8	14.1	6.5	3.0	2.2	4.7
0.37	0.52	0.0	0.9	0.8	1.5	2.6	6.0	14.2	18.3	25.0	15.3	7.0	2.5	2.1	3.8
0.76	1.07	0.0	1.8	0.6	1.2	1.9	4.9	14.6	18.5	24.1	16.0	7.6	2.7	2.3	3.9
1.22	1.31	0.0	1.9	1.9	1.7	2.8	5.3	12.9	15.1	21.0	14.6	7.0	3.0	2.5	10.4
1.31	1.43	8.8	1.4	1.9	3.6	5.3	9.1	16.7	16.8	18.1	8.0	3.5	1.6	1.3	3.9
1.43	1.52	7.0	4.4	6.4	10.1	11.4	14.3	16.0	10.7	10.1	4.7	2.0	0.9	0.8	1.2
1.52	1.68	3.7	2.0	2.4	3.6	4.9	8.4	16.9	20.9	23.1	9.1	2.6	0.9	0.6	1.0
1.86	1.95	0.0	2.3	3.2	5.7	8.0	13.0	19.4	18.0	17.8	6.7	2.5	1.2	0.8	1.4
1.95	2.23	0.0	1.3	0.8	0.9	1.6	3.3	9.5	16.4	29.4	18.0	9.1	4.5	2.5	2.6
2.58	2.61	0.0	0.9	0.8	1.5	2.1	4.0	6.4	6.4	12.3	16.1	13.5	9.2	7.5	19.2
2.65	2.71	0.0	0.3	0.8	1.5	2.0	4.3	16.2	25.4	28.1	13.5	5.2	1.5	0.6	0.6
3.14	3.17	0.0	0.2	0.6	1.0	2.1	5.3	10.3	27.9	29.0	13.1	4.5	1.6	1.0	3.5
3.20	3.51	5.8	1.8	2.5	3.6	5.7	11.0	22.8	19.0	14.3	7.1	3.3	1.1	0.7	1.3
3.70	3.75	0.0	0.7	0.0	0.0	0.2	0.3	2.6	10.5	37.1	30.9	11.9	3.8	0.9	1.2
3.93	4.02	0.0	3.4	2.1	2.9	4.0	7.1	13.7	15.1	21.4	13.6	6.1	2.7	2.4	5.3
4.50	4.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.7	3.7	8.7	15.8	*
4.53	4.60	0.0	0.0	0.0	0.0	0.0	0.4	1.2	2.0	4.5	9.3	17.8	22.3	19.4	23.1
[1]4.60	4.60	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.2	6.4	35.9	30.3	7.2	5.6	4.4
4.88	5.03	0.0	0.0	0.3	0.6	1.5	8.6	24.6	23.7	24.6	11.4	3.4	0.6	0.3	0.3
5.06	5.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	15.4	45.5	26.6	7.1	2.9	1.3
5.52	5.64	0.0	0.3	0.8	0.8	0.7	1.5	5.9	15.7	31.8	25.7	10.8	3.9	1.2	1.2
5.64	5.67	0.0	0.0	0.0	0.3	0.3	0.8	2.6	6.8	30.8	39.2	13.9	2.9	0.8	1.6
5.70	5.88	0.0	0.4	0.4	0.5	0.7	1.1	3.9	12.6	43.3	28.6	6.4	1.1	0.5	0.5
6.10	6.31	0.0	0.0	0.0	0.2	0.2	0.8	5.4	13.7	34.8	29.5	10.1	3.1	1.0	1.2

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 813--Continued															
6.31	6.37	0.0	2.8	1.1	2.8	4.5	11.2	27.0	23.0	14.9	6.0	2.8	1.2	0.8	2.0
6.37	6.40	0.0	0.5	0.7	1.2	1.7	4.0	12.5	16.0	17.2	20.8	15.0	4.6	2.1	3.8
7.62	8.84	0.0	11.7	3.4	4.2	3.9	7.3	11.5	9.4	10.4	8.1	4.7	2.3	2.9	*
10.67	10.67	17.3	5.5	6.3	9.7	9.2	10.5	11.3	9.4	9.2	4.5	2.4	1.0	1.0	2.6
18.29	18.29	0.0	2.7	2.1	5.0	6.2	8.2	13.7	16.2	18.4	13.2	7.4	2.4	1.4	3.1
21.03	21.03	0.0	2.9	1.8	2.5	4.6	8.6	12.3	26.4	22.7	7.7	2.7	1.3	0.8	5.7
22.56	22.56	0.0	5.1	1.4	2.0	2.6	4.3	7.3	7.9	11.8	9.3	6.3	4.1	3.5	*
PROJECT WELL 814															
0.15	0.24	0.0	2.7	1.1	2.2	2.7	4.9	13.2	18.7	26.4	16.5	6.0	1.6	1.1	2.7
0.24	0.43	20.2	4.0	4.4	5.2	6.2	8.8	15.4	13.2	11.2	5.2	2.4	1.2	1.0	1.4
0.61	0.73	48.2	3.1	2.7	4.9	5.3	7.4	10.2	6.6	4.9	2.5	1.6	1.0	0.4	1.3
0.73	0.94	36.7	2.8	2.2	3.3	3.9	5.5	8.2	7.3	8.3	5.5	3.9	2.9	2.7	6.7
1.22	1.42	48.9	1.2	1.3	2.7	3.4	4.9	6.4	5.1	5.3	4.0	3.4	3.3	3.3	6.8
1.86	1.92	26.3	3.0	3.0	3.8	5.3	8.3	13.6	10.9	9.8	4.1	2.1	1.2	1.5	7.1
1.92	1.97	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.6	9.9	42.3	29.7	11.0	3.8
[1]1.97	1.97	22.3	4.8	5.1	7.4	9.5	13.7	15.2	8.2	5.5	2.3	1.3	0.8	0.8	3.2
1.97	2.01	6.8	1.7	3.4	6.1	7.5	13.1	21.3	16.7	14.0	5.3	1.9	0.7	0.5	1.0
2.01	2.36	3.0	4.2	4.2	7.9	11.7	17.1	22.8	13.6	8.9	2.7	1.2	0.5	0.5	1.5
2.44	2.62	26.3	2.0	3.1	4.5	5.8	8.7	13.4	10.9	9.6	4.7	2.5	1.6	1.8	5.1
3.05	3.17	43.4	3.4	3.8	4.6	5.5	7.2	9.5	6.7	6.1	3.2	1.9	1.3	1.3	2.3
3.17	3.35	27.3	5.1	5.6	9.4	10.6	13.0	12.6	6.5	4.3	1.7	1.0	0.7	0.7	1.4
3.66	3.84	0.0	0.4	0.0	0.4	0.8	1.1	1.1	1.5	4.6	16.7	29.7	20.2	13.7	9.9
3.84	3.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.5	5.7	7.4	10.2	16.6	*
3.87	4.08	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.6	10.7	29.0	31.2	14.5	7.3	4.7
4.08	4.21	0.0	0.0	0.0	0.0	0.4	1.2	6.6	15.5	28.7	31.8	10.5	2.3	1.6	1.6
4.27	4.82	0.0	0.0	0.0	0.0	0.0	0.4	2.0	10.1	31.6	29.6	18.6	4.9	2.0	0.8
5.03	5.09	0.0	0.0	0.0	0.0	0.0	0.0	2.0	18.4	34.7	31.0	9.2	3.1	1.0	0.7
5.18	5.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	10.8	39.5	27.4	14.6	5.1
5.29	5.43	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	3.0	9.6	38.0	30.9	10.7	4.6
5.64	5.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	9.4	42.0	30.6	12.5	3.9
6.25	6.34	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.5	8.7	15.3	21.5	26.2	17.5	7.6
6.34	6.43	0.0	0.0	0.0	0.4	1.9	4.9	13.5	18.4	25.6	18.8	9.8	3.0	2.3	1.5
6.71	6.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.8	20.8	31.2	19.9	14.9	10.9
6.95	7.01	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	4.8	7.2	9.6	16.8	22.5	37.2
7.01	7.25	0.0	0.8	0.8	0.4	0.4	0.4	0.8	6.0	32.1	36.9	16.5	2.8	1.2	0.8
7.44	7.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	26.9	38.8	18.7	8.2	3.0
7.56	7.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	7.8	21.3	30.3	*
8.29	8.38	0.0	0.5	0.5	0.9	0.9	2.3	6.6	11.3	32.4	27.2	8.5	3.3	2.3	3.3
8.38	8.44	0.0	8.4	2.6	2.9	3.8	5.8	10.4	11.6	24.9	17.7	5.5	2.6	1.4	2.3
8.53	8.78	0.0	5.0	0.5	1.3	2.0	4.0	7.6	11.7	38.7	21.4	4.5	1.4	0.9	0.9
8.78	8.93	17.3	6.0	6.1	7.6	9.2	12.3	13.6	7.4	7.9	5.5	2.4	1.3	1.1	2.1
[1]9.33	9.33	0.0	0.9	0.6	1.8	6.0	22.9	38.4	15.8	8.3	2.7	0.9	0.3	0.3	1.2
9.42	9.54	11.6	6.3	5.3	8.5	8.2	9.7	11.6	9.7	12.9	7.5	3.8	1.3	1.3	2.5
9.75	9.85	0.0	4.8	0.9	3.0	8.2	22.1	34.2	15.2	4.8	1.7	1.7	1.3	0.4	1.7
9.85	9.91	17.4	6.8	6.8	8.4	10.3	12.9	11.9	7.4	7.1	3.5	1.9	1.3	1.3	3.2
10.36	11.58	6.6	5.4	6.2	7.5	8.7	12.0	17.4	12.4	12.0	5.8	2.1	0.8	0.8	2.1
12.19	12.19	43.3	2.1	2.3	3.7	4.2	7.1	11.3	8.8	7.6	3.7	1.6	0.8	0.8	2.7

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 815															
0.18	0.34	0.0	0.9	0.6	1.5	2.1	4.2	11.2	15.5	23.0	17.0	10.0	4.8	2.7	6.4
0.37	0.52	0.0	4.5	1.8	4.1	4.1	6.3	11.7	12.6	17.1	13.1	8.6	4.5	3.6	8.1
0.61	0.73	45.9	1.8	2.2	2.4	3.0	4.6	8.7	9.5	9.6	4.6	2.4	1.5	1.1	2.6
0.73	0.76	16.6	8.8	6.0	7.9	7.6	8.8	11.8	10.6	10.6	4.8	2.4	1.2	0.9	2.1
0.79	0.91	19.0	6.5	7.7	9.3	10.1	11.7	11.7	7.3	6.5	3.2	2.0	1.2	1.2	2.4
1.22	1.40	10.4	3.1	3.1	4.6	6.6	11.6	18.1	15.8	15.4	5.4	1.9	0.8	1.2	1.9
1.40	1.52	8.1	0.3	0.5	1.1	1.3	3.5	10.8	18.5	29.3	15.3	6.5	1.9	1.3	1.6
1.52	1.62	0.8	2.9	3.3	10.7	12.8	14.0	18.1	13.6	12.8	6.2	2.5	0.4	0.8	1.2
1.83	1.98	4.9	3.0	4.1	5.4	6.0	7.5	12.0	14.4	23.4	12.5	3.2	0.9	0.7	1.9
1.98	2.13	3.8	2.5	4.2	5.5	8.0	16.9	25.7	15.6	9.7	3.8	1.7	0.8	0.4	1.3
2.13	2.23	0.0	0.8	0.5	1.6	2.3	5.2	10.7	14.4	23.5	16.7	9.1	4.7	5.0	5.5
2.23	2.29	10.1	1.3	2.5	4.6	6.7	10.5	14.7	14.3	18.5	9.7	3.4	0.8	1.3	1.7
2.53	2.56	12.8	2.0	2.2	3.3	2.8	6.5	10.8	10.8	15.6	11.8	7.3	4.2	3.0	7.0
2.56	2.71	2.0	0.8	1.6	2.4	5.2	9.5	15.5	15.1	21.8	15.1	6.3	2.0	1.2	1.6
2.71	2.80	0.4	0.4	0.4	0.4	3.1	3.1	11.0	14.9	26.3	23.9	11.4	2.7	1.2	0.8
2.80	2.83	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.8	3.2	4.6	15.8	25.7	21.8	*
2.83	2.90	5.4	1.0	1.7	3.4	4.7	7.4	12.5	16.5	27.6	12.8	3.4	1.0	1.0	1.7
3.05	3.23	9.4	5.0	4.7	8.1	10.1	12.8	15.1	9.7	10.1	6.7	3.0	1.0	1.3	3.0
3.23	3.35	0.0	0.0	0.5	0.5	0.5	1.0	5.3	15.0	40.3	24.8	7.8	1.9	1.0	1.5
3.35	3.38	0.0	0.0	0.3	0.7	1.3	2.0	3.3	4.0	8.6	8.3	5.0	5.3	14.6	*
3.38	3.47	0.0	0.0	0.0	0.0	0.0	0.4	0.8	2.3	12.5	37.1	27.0	12.1	5.1	2.7
3.66	3.69	0.0	0.0	0.0	0.2	0.2	0.3	0.7	0.8	1.8	2.5	1.8	3.4	8.2	*
3.81	4.11	0.0	0.0	0.0	0.0	0.0	0.4	1.3	5.2	19.9	26.0	22.1	13.4	6.5	5.2
4.11	4.18	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	2.3	2.7	3.0	4.5	10.2	*
4.33	4.36	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0.7	2.0	2.0	3.7	10.8	17.2	*
4.36	4.57	0.0	0.0	0.0	0.3	0.0	0.7	2.7	8.5	36.9	33.9	10.5	3.7	1.4	1.4
4.57	4.75	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.0	18.0	39.5	25.7	7.8	3.6	1.8
5.06	5.36	0.0	0.4	0.0	0.4	0.4	0.8	12.8	35.3	31.2	10.2	4.9	1.5	1.5	0.8
5.67	5.79	35.9	6.0	4.5	7.4	10.3	11.4	7.1	3.6	3.3	2.1	1.6	1.1	2.5	3.1
6.19	6.40	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.4	5.4	12.4	22.2	26.2	*
6.46	6.52	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9	0.9	1.9	2.4	10.4	*
6.71	6.77	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9	0.9	1.3	3.9	19.1	*
6.83	6.92	33.2	6.9	7.9	9.5	8.2	6.3	5.9	3.9	4.6	4.9	3.9	1.3	1.3	2.0
6.95	7.19	0.0	5.0	2.3	3.6	3.6	6.3	11.7	11.7	15.8	14.9	11.7	6.3	3.6	3.6
7.32	7.38	18.8	7.2	6.8	4.4	3.1	3.4	3.8	3.8	5.1	5.1	4.8	4.4	7.2	*
7.38	7.53	28.9	1.4	2.7	2.7	2.7	4.3	5.5	5.2	7.5	8.6	10.0	8.0	6.1	6.4
7.53	7.80	25.5	3.4	3.1	3.9	3.6	4.9	6.8	6.2	7.5	5.7	5.5	6.2	6.5	11.2
8.02	8.29	48.0	5.7	4.2	5.9	5.0	5.0	5.0	3.5	3.9	2.8	2.4	2.2	2.0	4.6
8.53	8.60	0.0	0.9	2.1	4.5	6.0	10.1	15.5	13.1	14.9	9.9	6.9	5.4	4.2	6.6
8.60	8.69	36.1	4.2	5.3	6.4	5.5	6.1	7.3	5.8	5.8	3.7	3.0	2.5	2.7	5.8
8.69	8.84	0.0	13.1	8.6	11.4	9.9	11.4	15.9	12.0	9.4	3.2	1.3	0.9	0.9	2.1
8.84	8.96	0.0	0.6	2.9	7.2	9.5	19.2	29.5	16.6	8.6	2.0	0.9	0.6	0.6	2.0
9.14	9.27	42.3	4.3	4.6	6.6	5.9	6.7	8.9	6.8	6.0	2.5	1.5	1.0	1.0	2.0
9.27	9.36	5.4	2.4	4.2	5.4	7.5	13.7	16.4	8.7	6.6	3.0	2.7	2.7	3.3	18.2
9.36	9.57	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.5	2.4	7.8	14.3	31.0	24.5	18.1
9.75	9.81	0.0	0.4	1.3	1.8	1.3	1.8	2.2	1.3	4.9	25.1	30.0	13.5	7.6	8.5
9.81	9.88	0.0	0.0	0.3	0.6	1.9	3.1	5.0	4.4	5.3	6.6	17.6	16.9	9.7	*
9.88	10.18	0.0	0.7	1.0	2.8	5.5	10.4	17.6	15.9	19.4	12.5	4.8	1.7	1.7	5.9
10.36	10.42	1.4	3.1	3.4	6.6	7.9	12.1	16.9	12.4	10.7	12.4	7.6	2.4	1.0	2.1

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 815--Continued															
[1]24.38	24.38	0.0	0.0	0.0	0.5	1.5	5.0	19.8	24.8	23.8	13.9	6.4	2.0	1.0	1.5
PROJECT WELL 816															
0.67	0.91	0.0	1.4	1.4	2.3	3.6	6.8	16.7	20.7	26.6	13.5	4.1	0.9	0.9	1.4
1.22	1.40	0.0	1.7	1.3	1.7	2.5	5.9	13.1	16.9	26.6	18.6	7.6	1.7	1.3	1.3
1.40	1.46	13.1	4.3	3.2	5.0	5.0	7.1	12.4	13.1	18.1	10.6	3.9	1.1	1.4	1.8
1.46	1.55	16.3	1.9	2.9	4.8	5.1	7.7	11.9	11.5	15.4	10.3	5.4	2.2	1.9	2.6
1.92	2.13	4.4	1.8	2.9	5.1	7.3	10.9	13.9	12.4	18.2	11.3	5.5	1.5	1.8	2.9
2.44	2.53	3.4	0.6	2.1	4.3	6.1	9.2	11.7	11.3	21.2	17.2	7.4	1.2	1.2	3.1
2.53	2.71	7.2	4.3	5.1	6.9	10.5	13.8	18.1	13.0	10.5	5.1	2.5	0.7	1.1	1.1
2.71	2.83	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	3.4	8.7	15.8	27.2	24.9	18.5
2.83	2.87	0.0	0.0	0.0	0.3	0.3	0.8	2.0	4.8	19.0	39.1	20.8	6.3	3.8	2.8
3.05	3.17	0.0	0.0	0.0	0.3	0.3	0.3	1.2	3.2	13.5	39.2	27.1	9.2	3.7	2.0
3.17	3.23	0.0	1.9	1.3	2.9	3.8	5.4	10.2	12.1	22.0	20.7	11.5	4.5	2.2	1.6
3.23	3.32	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.9	24.7	39.4	22.3	4.9	2.2	1.1
3.32	3.41	0.0	0.3	0.0	0.3	0.3	1.2	6.2	18.9	36.6	21.5	10.0	2.9	0.9	0.9
3.41	3.44	0.0	0.0	0.0	0.0	0.4	0.4	4.4	10.1	15.9	9.7	28.2	19.4	8.8	2.6
3.44	3.54	0.0	0.0	0.4	0.4	0.8	3.3	18.0	30.3	32.4	7.8	2.9	1.2	1.2	1.2
3.66	3.69	0.0	0.8	0.4	1.2	2.4	8.2	24.3	28.2	23.9	5.9	2.0	0.8	0.8	1.2
3.72	4.02	0.0	0.0	0.0	0.0	0.0	0.4	3.6	11.5	29.7	38.0	12.9	1.8	1.1	1.1
4.30	4.42	1.5	2.9	2.9	4.4	5.4	7.3	12.2	14.1	20.5	15.1	6.8	2.4	2.0	2.4
4.42	4.57	0.0	0.4	0.0	0.8	0.8	2.3	10.7	21.8	30.3	17.2	10.3	2.7	1.5	1.1
4.57	4.69	0.0	6.9	0.8	2.0	3.2	8.9	26.2	23.8	16.1	5.6	2.4	0.8	0.8	2.4
4.69	4.82	0.0	0.3	0.7	0.3	0.3	0.3	0.3	1.0	12.1	38.4	35.1	6.9	2.6	1.6
4.88	5.18	0.0	0.5	0.0	0.0	0.5	0.5	0.5	1.5	10.0	36.3	37.8	8.5	2.5	1.5
5.18	5.33	13.8	1.2	1.2	1.5	1.5	2.8	7.3	12.8	17.1	14.4	16.2	5.2	1.8	3.1
6.19	6.31	0.0	1.0	2.0	3.6	2.6	3.6	5.6	5.6	8.2	9.7	9.7	9.7	13.3	25.5
6.43	6.68	5.1	2.3	1.9	2.3	1.9	4.2	6.9	6.9	8.3	6.0	6.5	10.2	15.7	21.8
6.71	7.01	3.0	2.1	1.4	2.6	2.3	4.2	5.4	4.9	5.6	4.2	5.8	10.7	14.5	*
13.72	13.72	13.5	3.9	4.7	6.0	7.0	9.1	11.7	11.2	12.7	7.8	3.9	1.6	1.6	5.5
[1]18.90	18.90	5.3	1.1	1.5	2.3	2.6	7.5	17.0	16.2	20.8	14.3	5.7	1.1	1.5	3.0
22.56	22.86	0.0	8.3	1.3	2.2	3.1	5.9	10.9	13.6	19.0	11.4	6.6	3.5	3.3	10.9
PROJECT WELL 817															
0.15	0.37	0.0	2.5	2.1	3.6	5.7	8.6	13.6	12.9	17.5	14.3	10.0	5.0	2.5	1.8
0.76	0.91	3.2	1.8	2.9	4.7	6.2	10.9	16.7	15.0	19.4	12.3	4.4	1.2	0.6	0.9
0.91	1.01	0.0	1.7	0.3	1.7	2.6	5.8	12.2	14.5	25.2	24.1	8.4	1.7	0.9	0.9
1.01	1.07	3.7	1.7	3.4	4.0	6.0	10.4	15.8	14.1	18.5	13.1	5.7	1.7	1.0	1.0
1.22	1.43	5.5	2.2	3.0	5.8	9.1	16.2	21.7	15.7	12.4	4.1	1.4	0.3	0.5	2.2
1.46	1.58	29.7	1.5	2.9	5.4	6.9	9.6	12.5	9.6	8.7	4.9	2.8	1.5	1.2	2.8
1.89	2.01	0.0	4.0	0.5	1.0	2.0	3.0	6.5	13.0	16.5	26.5	18.0	7.0	1.0	1.0
2.01	2.23	0.0	0.3	0.6	3.0	6.4	17.1	27.1	18.6	14.6	6.1	2.4	0.9	0.6	2.1
2.44	2.50	4.0	2.7	3.3	9.4	14.6	20.4	16.4	8.2	8.2	5.5	3.0	1.2	0.9	2.1
2.50	2.59	28.4	2.2	2.7	4.1	5.6	7.6	10.1	9.5	12.3	7.2	3.4	1.5	1.2	4.1
2.59	2.77	9.4	2.9	3.9	6.0	8.1	13.1	17.0	12.8	13.4	6.3	2.4	0.8	1.0	2.9
3.72	3.84	0.0	0.0	0.4	0.0	0.0	0.4	0.8	2.3	5.8	14.3	36.4	23.6	10.1	5.8
3.84	4.02	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.5	8.7	35.1	31.5	14.4	6.0	3.3
4.02	4.11	0.0	0.3	0.3	0.3	0.3	0.8	6.0	22.2	47.7	14.8	3.6	1.4	1.4	1.1
4.33	4.63	0.0	0.0	0.0	0.4	0.4	1.4	8.6	22.9	43.4	16.1	3.6	1.4	1.1	0.7

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 817--Continued															
4.88	4.94	0.0	0.3	0.3	0.8	1.0	2.3	9.0	19.9	36.1	16.1	6.9	3.3	2.0	2.0
4.97	5.24	0.0	0.0	0.0	0.4	0.4	0.8	5.9	18.6	32.9	24.5	11.4	2.5	1.7	0.8
5.24	5.33	0.0	0.0	0.0	0.0	0.0	0.5	2.6	12.4	31.0	21.4	18.3	7.8	3.9	2.1
5.49	5.55	0.0	0.0	0.0	0.0	0.0	0.3	1.0	4.1	15.9	26.7	32.4	13.5	4.1	2.0
5.58	5.82	0.0	0.0	0.0	0.4	0.4	0.4	2.0	6.9	18.6	27.5	25.5	11.7	4.5	2.0
5.82	5.85	0.0	0.0	0.0	0.0	0.4	0.4	0.8	2.4	10.4	29.2	30.4	14.4	7.6	4.0
6.10	6.31	0.0	0.0	0.0	0.4	0.4	1.2	4.0	13.8	30.0	23.7	17.4	4.7	2.8	1.6
6.31	6.43	0.0	0.9	0.4	0.9	0.9	2.2	10.8	24.1	22.0	17.7	11.6	4.7	2.2	1.7
6.43	6.55	0.0	0.0	0.3	2.3	4.3	8.3	16.2	18.9	15.9	16.9	10.6	2.6	2.3	1.3
6.80	7.10	10.1	1.2	2.4	3.6	5.0	10.4	21.6	22.2	10.7	5.6	3.8	1.5	0.9	1.2
7.32	7.41	21.0	2.3	1.8	3.3	4.3	6.9	10.7	11.3	11.5	11.0	8.4	3.6	1.8	2.0
7.41	7.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.9	24.2	46.1	16.8	6.1	3.5
7.62	7.77	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	1.1	4.3	12.5	22.3	*
7.92	7.99	0.0	0.2	0.0	0.2	0.2	0.2	0.5	0.5	1.1	1.8	11.2	17.6	15.8	*
7.99	8.29	0.0	0.0	0.0	0.0	0.4	0.0	0.4	1.4	7.9	23.9	34.3	18.6	7.9	5.4
8.60	8.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.8	24.1	43.0	20.3	10.5
9.14	9.39	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	3.1	3.4	15.9	29.1	25.9	20.9
9.39	9.63	9.2	5.5	4.6	6.9	7.3	10.6	16.5	14.7	12.8	4.6	1.8	1.4	1.4	2.8
9.75	9.88	12.7	6.1	5.4	7.0	7.4	8.1	9.6	8.9	9.8	5.9	4.8	5.0	4.6	4.8
9.88	9.97	9.0	3.1	4.5	7.9	10.3	13.0	16.6	13.0	10.3	5.2	3.6	1.1	0.9	1.3
9.97	10.15	7.8	6.0	6.6	10.3	13.2	15.7	16.0	9.4	6.9	2.5	1.3	0.6	0.9	2.8
23.47	23.77	11.0	4.8	4.0	8.4	11.4	15.8	14.3	7.0	8.4	6.2	3.3	1.5	1.1	2.9
24.69	24.99	0.0	2.4	1.7	2.8	2.8	4.9	8.0	7.3	10.5	8.4	6.3	4.2	3.8	*
PROJECT WELL 818															
0.12	0.27	0.0	0.3	0.3	1.2	1.8	4.6	11.7	15.3	21.2	17.5	12.6	7.1	3.7	2.8
0.61	0.70	0.0	0.0	0.7	0.7	1.9	4.4	10.7	13.3	19.6	18.9	15.2	8.9	4.1	1.5
0.73	0.91	0.0	1.3	1.3	1.6	2.5	6.0	16.2	20.6	24.4	14.3	7.0	2.2	1.6	1.0
0.91	1.07	0.0	3.0	2.0	3.0	3.5	5.4	12.9	16.8	24.3	13.9	6.9	3.0	2.5	3.0
1.25	1.31	0.0	3.1	1.4	2.8	3.9	7.0	14.1	18.3	24.8	14.4	5.1	2.0	1.1	2.0
1.31	1.55	4.0	0.9	0.9	1.3	1.8	3.1	7.6	11.7	26.9	26.5	10.3	2.2	0.9	1.8
1.55	1.71	0.0	7.5	2.0	4.2	5.3	7.7	11.6	11.6	16.4	16.7	7.9	2.9	1.8	4.6
1.98	2.01	4.9	4.6	5.6	8.7	9.7	11.5	11.8	9.7	14.3	10.2	4.3	1.3	1.0	2.3
2.74	2.83	0.0	0.5	1.1	2.7	3.2	5.9	13.4	16.7	23.7	16.7	8.6	3.8	1.6	2.2
2.83	2.93	0.0	1.9	1.3	1.3	2.5	5.7	10.8	12.7	19.7	15.3	8.9	3.8	4.5	11.5
2.93	2.96	0.0	0.3	0.3	0.6	0.6	0.6	1.3	2.2	7.0	9.8	15.2	14.9	13.3	*
2.96	2.99	54.5	5.9	4.3	5.0	3.1	2.4	2.4	2.1	3.6	4.0	3.8	2.8	1.9	4.3
3.23	3.35	0.0	2.4	3.1	6.3	8.1	11.5	15.2	13.4	19.9	12.3	4.7	1.3	0.8	1.0
3.35	3.54	0.0	0.6	1.6	3.5	4.2	6.7	11.5	14.7	26.2	18.8	7.7	1.9	1.3	1.3
3.66	3.84	0.0	2.2	0.6	1.9	2.8	5.6	12.8	20.2	29.6	15.6	5.3	1.6	0.9	0.9
3.84	4.02	0.0	0.4	0.8	3.5	10.1	21.8	27.6	14.0	10.1	5.4	3.1	1.2	0.8	1.2
4.27	4.36	3.3	3.3	4.7	6.2	9.5	19.0	22.3	11.8	10.4	4.7	2.4	0.9	0.5	0.9
5.27	5.33	0.0	0.0	0.0	0.0	0.0	0.4	1.5	10.0	33.0	33.0	15.7	3.4	1.5	1.5
5.64	5.94	0.0	0.0	0.0	0.0	0.0	0.4	1.8	6.9	20.4	35.6	25.1	6.2	1.8	1.8
5.94	5.97	0.0	0.0	0.0	0.0	0.0	0.3	9.8	29.7	37.5	12.4	5.2	2.0	1.2	2.0
6.25	6.52	0.0	0.0	0.0	0.0	0.0	0.5	4.6	15.1	38.4	27.4	9.6	1.8	1.4	1.4
6.77	7.07	0.0	0.0	0.0	0.0	0.0	1.2	16.2	25.7	28.9	18.6	6.3	1.6	0.8	0.8
7.07	7.16	29.5	2.3	2.3	1.7	3.0	5.0	13.9	13.6	10.9	7.0	5.0	2.3	1.3	2.3
7.44	7.74	5.3	0.8	0.8	0.8	1.6	2.9	11.8	32.2	29.4	6.9	3.3	1.6	1.2	1.2

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 818--Continued															
7.99	8.29	0.0	0.0	0.0	0.0	0.0	0.4	1.7	6.7	22.9	39.2	20.8	5.8	1.7	0.8
8.53	8.75	0.0	0.3	0.3	0.3	0.0	0.3	2.1	11.1	26.9	32.9	18.0	4.5	2.1	1.2
8.75	8.81	9.3	4.9	2.9	3.4	3.4	3.9	4.9	7.8	23.9	16.6	9.3	4.4	2.4	2.9
9.14	9.24	16.0	1.2	1.4	1.7	1.9	4.8	11.2	12.1	15.7	13.3	9.0	4.5	3.3	3.8
9.24	9.39	41.1	5.0	3.6	3.8	4.0	5.5	7.7	6.1	7.3	4.9	2.9	1.9	1.9	4.3
9.39	9.45	0.0	3.7	2.0	2.7	3.7	8.1	14.6	12.2	14.2	11.9	9.2	5.4	4.7	7.5
9.45	9.51	3.6	2.1	1.8	2.1	3.2	7.5	13.9	12.5	14.6	12.8	10.0	6.0	4.3	5.7
9.94	10.06	41.8	7.5	5.8	5.5	3.2	2.8	4.5	6.2	9.2	6.0	3.4	1.7	1.3	1.3
10.36	10.42	21.4	2.8	4.7	5.3	4.7	5.9	8.5	8.1	11.5	8.7	5.3	3.6	3.0	6.6
10.42	10.64	35.4	9.1	6.6	7.7	5.4	5.2	6.0	5.2	6.0	3.9	2.5	1.4	1.4	4.1
10.97	11.03	30.8	11.0	7.2	5.6	5.1	5.6	7.2	6.1	7.2	4.7	2.8	1.6	1.2	4.0
11.03	11.34	28.6	8.8	9.4	11.1	9.6	7.7	7.3	4.5	3.9	2.1	1.3	0.9	0.9	3.8
11.58	11.73	16.2	9.4	8.3	10.4	9.9	10.7	11.7	7.4	5.9	2.8	1.7	1.0	1.2	3.5
11.73	11.83	39.8	10.2	7.6	8.3	6.6	5.9	5.5	3.5	3.4	2.0	1.5	1.1	1.2	3.5
12.19	12.38	30.9	7.1	7.2	8.0	7.3	7.5	8.5	5.8	5.0	2.6	1.7	1.2	1.4	5.7
18.29	18.59	5.0	10.1	9.0	12.6	12.9	15.8	15.8	8.3	4.7	1.4	0.7	0.7	0.7	2.2
23.17	23.47	22.9	8.4	6.7	7.0	7.7	9.4	12.3	8.4	6.5	3.1	1.7	1.0	1.2	3.6
PROJECT WELL 819															
0.61	0.82	0.0	0.5	0.5	1.4	1.4	3.6	10.5	15.9	27.3	20.5	9.1	2.7	2.3	4.5
0.85	0.91	19.4	5.2	2.6	3.4	4.7	6.9	12.1	13.4	16.4	9.5	3.4	0.9	0.9	1.3
1.28	1.34	37.2	3.4	4.1	6.4	6.0	7.8	8.8	6.7	6.7	4.0	2.4	1.4	1.4	3.6
1.34	1.49	8.5	1.3	1.7	2.5	4.2	6.8	14.8	17.8	19.5	11.4	6.8	2.5	1.3	0.8
1.49	1.62	1.2	2.1	2.4	3.2	5.9	13.5	21.8	15.0	15.9	10.6	4.1	1.2	1.5	1.8
1.83	2.01	9.3	3.5	5.5	9.0	11.3	13.1	15.4	11.6	9.9	4.9	2.6	0.9	0.9	2.0
2.01	2.16	0.0	3.5	0.5	1.5	2.5	6.4	12.9	13.4	20.3	16.8	10.9	4.5	3.5	3.5
3.20	3.44	0.0	0.5	1.4	2.8	4.7	10.2	18.1	18.1	22.8	13.0	5.1	0.9	1.4	0.9
3.81	3.99	8.5	2.3	3.2	6.7	7.0	9.9	16.0	14.9	16.0	8.7	3.8	1.2	0.6	1.2
4.36	4.63	0.0	0.0	0.0	0.0	0.2	0.2	1.2	4.7	22.3	35.8	20.8	8.6	3.4	2.7
5.09	5.30	0.0	0.3	0.3	0.3	0.3	0.8	9.5	24.9	37.7	17.3	5.0	1.7	0.8	1.1
5.76	5.91	0.0	0.3	0.6	0.9	1.5	4.2	12.8	23.4	32.9	15.4	5.0	1.5	0.6	0.9
6.13	6.43	0.0	0.5	0.0	0.0	0.0	0.5	6.4	19.1	45.1	23.0	3.4	0.5	1.0	0.5
6.86	7.10	0.0	0.0	0.0	0.0	0.0	0.5	2.5	17.9	43.8	22.9	8.5	1.5	1.5	1.0
7.44	7.47	11.2	4.4	4.4	6.5	7.1	8.2	10.9	11.8	17.6	8.5	4.1	1.8	1.2	2.4
7.53	7.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	9.9	56.8	25.5	4.4	1.8	1.0
8.05	8.35	0.0	0.0	0.0	0.0	0.0	1.2	12.2	24.5	35.9	20.0	4.9	0.4	0.4	0.4
8.56	8.75	0.0	0.0	0.0	0.4	0.4	1.8	13.8	25.1	37.1	15.2	3.9	1.1	0.7	0.7
8.84	8.96	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.9	15.1	31.8	35.5	9.4	2.4	2.0
9.17	9.36	0.0	0.0	0.0	0.3	0.3	0.6	1.5	3.5	18.3	33.4	28.5	9.0	2.9	1.7
9.91	10.21	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	7.8	40.0	34.4	9.4	3.9	2.2
10.49	10.64	0.0	0.6	0.3	0.6	1.5	6.4	19.0	17.8	21.6	18.7	9.1	2.3	0.9	1.2
23.47	23.77	11.4	1.9	2.2	2.9	3.9	5.8	8.7	19.6	21.5	10.4	1.9	3.1	1.9	4.8
PROJECT WELL 820															
1.22	1.34	0.0	2.9	2.0	3.5	4.6	8.0	16.0	19.3	25.7	12.5	3.5	1.0	0.4	0.5
1.34	1.40	0.0	0.2	0.2	0.3	0.7	1.6	4.7	10.6	29.4	31.8	14.5	3.6	1.4	1.0
1.40	1.55	0.0	3.3	3.3	6.1	10.1	17.2	22.7	16.7	12.4	4.9	1.9	0.7	0.3	0.4
1.86	1.98	40.2	4.8	6.0	9.1	9.2	8.5	6.6	3.8	3.0	1.7	1.1	0.9	1.0	4.0
2.04	2.10	0.0	2.6	0.4	0.8	1.8	4.9	14.8	22.5	29.0	14.6	5.1	1.4	0.8	1.2

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 820--Continued															
2.13	2.23	0.0	2.6	1.1	2.5	4.0	11.7	24.2	15.5	15.3	11.5	6.4	3.2	0.9	1.1
2.44	2.53	1.2	0.0	2.4	0.0	9.7	0.0	61.4	0.0	20.1	0.0	2.1	0.0	3.2	0.0
2.53	2.56	0.0	0.0	0.1	0.1	0.2	0.5	1.3	1.3	2.3	6.8	17.9	22.4	19.8	*
2.56	2.59	0.0	1.3	0.0	0.1	0.2	0.6	1.6	4.4	16.7	21.2	20.8	14.6	9.4	9.0
2.59	2.65	0.0	42.8	7.0	8.4	6.7	5.5	4.6	3.9	5.5	4.3	2.8	1.6	1.6	5.4
3.05	3.14	17.7	2.8	4.3	7.6	9.1	12.3	13.2	10.1	9.6	4.8	2.3	1.2	1.1	4.1
3.14	3.29	0.0	3.5	1.4	2.4	5.2	9.2	16.5	16.5	21.5	14.6	5.2	1.4	0.7	1.9
3.29	3.35	0.0	0.0	0.0	0.1	0.3	0.3	0.4	0.4	0.4	0.9	2.3	6.0	13.0	*
3.69	3.72	0.0	0.0	0.2	0.4	0.8	1.0	1.5	1.3	1.9	2.5	6.9	17.0	21.4	*
3.78	3.84	0.0	0.0	0.0	4.9	3.4	5.7	14.8	10.4	25.8	17.2	12.9	2.3	1.1	1.5
4.45	4.60	17.4	2.6	3.6	7.3	10.0	12.3	12.3	8.9	12.0	7.9	3.0	0.9	0.6	1.1
4.88	4.91	0.0	0.7	0.9	1.5	1.1	1.3	2.0	2.0	3.9	3.3	2.2	2.4	3.9	*
4.97	5.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	18.6	27.0	31.0	8.9	4.6	5.7
6.10	6.22	0.0	0.2	0.3	0.3	0.5	3.4	24.6	36.3	22.2	8.1	2.6	0.7	0.3	0.5
6.25	6.43	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	6.1	27.9	51.2	8.2	3.4	2.3
6.43	6.49	0.0	7.7	1.6	1.2	1.4	2.3	8.8	19.5	30.9	15.8	6.3	2.1	0.9	1.6
6.83	7.13	0.0	0.4	0.2	0.2	0.4	1.3	9.3	21.1	30.2	22.2	11.0	2.6	0.6	0.4
7.65	7.71	0.0	0.0	0.0	0.2	0.2	1.0	6.8	20.5	48.9	16.3	3.0	1.0	0.6	1.4
7.71	7.77	0.0	0.0	0.2	0.6	2.0	9.7	20.8	18.8	32.3	10.9	2.0	0.8	0.6	1.4
8.08	8.38	0.0	0.0	0.1	0.3	0.6	2.1	8.7	19.9	35.5	18.4	8.3	3.3	1.4	1.5
8.60	8.90	0.0	0.0	0.0	1.6	2.6	10.8	27.6	36.8	12.2	5.2	1.8	0.6	0.8	0.0
9.14	9.21	0.0	3.6	1.2	2.0	2.6	4.8	12.2	22.5	31.5	12.2	4.8	1.6	0.6	0.6
9.21	9.42	0.0	13.9	2.5	3.8	4.2	6.7	16.9	21.2	16.6	6.2	3.8	2.0	1.1	1.2
9.42	9.48	0.0	0.9	0.5	0.5	1.2	4.0	15.8	30.8	30.4	10.4	3.2	0.9	0.5	0.9
9.48	9.54	0.0	6.6	4.0	10.1	17.9	21.0	16.7	9.5	6.9	3.1	1.6	0.6	0.6	1.3
9.54	9.66	0.0	27.3	9.6	11.6	10.4	10.4	9.5	7.2	6.0	3.0	1.7	0.9	0.8	1.8
9.75	9.81	0.0	3.1	1.9	3.3	4.0	6.6	14.9	20.0	25.2	12.5	4.7	1.9	0.9	1.0
9.81	10.12	0.0	10.8	8.0	12.4	15.6	16.6	13.9	8.0	6.1	3.2	1.9	0.8	0.8	2.1
10.12	10.18	0.0	0.6	0.4	0.6	1.1	2.2	5.0	6.9	15.6	27.1	27.0	9.1	1.9	2.6
10.42	10.67	0.0	0.0	0.0	0.2	0.6	2.8	7.9	10.1	17.3	22.3	22.7	10.7	3.6	1.7
11.03	11.06	0.0	0.0	0.2	0.4	0.8	2.8	10.1	13.9	19.2	19.0	17.3	9.7	4.0	2.6
11.06	11.13	0.0	0.0	0.2	2.8	11.2	24.2	25.2	10.8	8.9	6.3	4.9	2.8	1.2	1.6
11.25	11.31	0.0	0.0	0.2	0.4	0.8	2.7	5.8	6.4	9.4	13.6	20.9	18.3	9.9	11.5
11.61	11.95	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.3	1.2	2.5	15.1	19.4	19.7	*
12.34	12.50	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.4	5.6	13.4	*
12.83	13.05	0.0	0.0	0.0	0.0	0.3	0.6	0.6	0.6	0.9	0.9	1.9	3.8	7.3	*
13.14	13.20	0.0	0.0	0.0	0.0	0.4	0.7	2.6	4.0	5.5	7.7	14.6	13.9	12.0	*
13.41	13.50	0.0	0.4	0.0	0.4	0.9	1.7	2.6	1.3	1.7	4.3	7.7	7.7	10.2	*
13.50	13.53	55.1	3.2	2.3	2.6	3.5	7.2	10.2	4.3	2.2	1.6	1.6	1.2	1.1	3.9
16.76	17.07	0.0	12.9	2.6	4.0	5.0	7.8	13.1	13.1	16.6	9.5	4.4	1.8	1.3	8.0
25.91	26.21	0.0	2.7	0.8	1.5	2.6	5.4	11.9	14.6	22.6	16.6	8.5	3.5	1.8	7.7
27.43	27.74	0.0	3.7	1.7	2.6	3.9	7.8	18.1	12.5	20.1	11.7	10.2	2.8	1.3	3.7
28.04	28.19	0.0	2.1	1.2	2.3	2.3	4.4	7.6	7.9	11.6	9.0	7.0	4.5	3.7	*
PROJECT WELL 925															
1.37	1.52	1.2	1.4	1.1	2.0	2.2	4.9	13.7	20.4	30.2	15.3	4.5	1.3	0.5	1.4
2.74	2.90	3.0	1.4	1.9	4.0	4.7	7.9	16.0	14.9	17.9	12.6	6.5	2.8	1.9	4.7
2.96	3.05	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	1.5	4.4	9.5	13.9	15.7	*
3.05	3.17	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	3.5	9.7	15.9	15.1	17.3	*

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 925--Continued															
4.42	4.54	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	4.5	21.0	46.4	19.6	5.1	2.6
5.94	6.07	15.6	0.3	0.5	1.3	3.1	9.9	20.7	18.8	17.2	6.2	2.4	1.2	0.8	1.9
7.47	7.59	4.4	2.7	3.3	5.1	6.8	10.4	13.7	17.8	22.6	7.0	2.6	1.3	0.7	1.7
8.99	9.11	3.2	0.6	1.6	5.1	7.3	11.8	20.7	16.3	14.7	8.9	3.8	2.1	1.3	2.6
9.91	10.06	0.0	3.9	1.3	1.3	2.3	3.9	5.8	4.8	9.6	21.2	23.8	11.6	6.1	4.5
10.21	10.33	0.0	0.0	0.0	0.2	0.1	0.2	1.0	2.0	10.0	29.8	36.0	15.2	3.4	2.0
12.10	12.16	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.7	1.2	3.1	9.3	18.9	24.6	*
13.17	13.41	0.3	0.1	0.0	0.1	0.1	0.3	0.4	0.4	1.0	1.4	2.1	3.2	4.6	*
13.41	13.56	0.0	0.0	0.0	0.0	0.4	0.4	1.2	0.8	1.2	2.0	3.2	5.2	7.3	*
13.59	13.66	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	1.2	3.4	7.5	13.4	*
16.46	16.61	32.4	12.4	7.4	6.9	6.1	6.4	5.9	3.5	3.4	2.4	2.0	1.7	1.8	7.7
17.98	18.14	52.2	6.8	5.1	4.3	3.6	3.6	4.3	3.2	3.3	2.3	2.0	1.7	1.6	5.9
18.17	18.23	45.2	15.8	8.5	6.8	3.7	3.8	3.9	2.6	2.4	1.5	1.0	0.9	0.9	3.1
19.36	19.51	58.2	6.4	6.1	6.7	4.5	3.7	3.4	2.3	2.2	1.4	1.1	0.8	0.8	2.3
19.51	19.66	31.4	7.5	8.4	10.0	8.6	7.5	7.5	4.7	3.9	2.2	1.6	1.2	1.2	4.3
19.75	19.81	22.9	11.3	10.7	12.7	10.3	8.0	6.6	3.7	3.2	2.0	1.5	1.3	1.2	4.5
21.28	21.34	13.0	7.5	7.5	12.2	10.6	12.4	13.0	7.7	6.1	3.5	1.9	1.2	1.0	2.4
22.56	22.71	7.3	1.2	2.1	4.7	8.7	14.1	13.3	8.9	14.1	8.9	4.7	2.6	1.9	7.7
22.80	22.86	1.0	0.3	0.5	0.5	0.5	1.3	4.1	10.0	24.4	26.2	18.2	6.7	2.8	3.6
24.08	24.23	7.4	2.5	2.5	2.5	3.9	6.0	7.7	8.1	15.1	15.4	12.6	6.7	3.9	6.0
24.23	24.29	5.1	1.2	3.2	4.3	5.5	9.5	15.0	15.8	17.8	8.7	4.0	2.8	2.0	5.1
24.38	24.41	0.0	0.0	0.2	0.3	0.7	1.7	3.1	3.1	5.5	11.0	15.5	13.1	9.3	*
25.45	25.60	3.3	2.3	3.7	5.6	7.7	12.4	15.4	12.6	14.7	7.7	3.5	2.3	2.3	6.3
25.60	25.76	0.0	4.9	2.8	4.9	7.3	12.4	17.1	12.2	14.5	7.8	3.9	2.6	2.6	7.0
25.79	25.85	3.6	1.9	2.7	5.6	7.7	11.9	13.6	11.2	13.4	8.3	4.4	3.2	2.8	9.7
27.13	27.28	0.0	12.6	1.5	0.7	1.9	4.1	14.5	16.4	15.6	11.5	5.2	3.3	3.0	9.7
27.31	27.43	1.1	3.3	3.1	5.0	6.5	10.9	15.0	11.8	10.9	6.1	4.6	3.9	3.7	14.2
PROJECT WELL 950															
0.21	0.37	12.7	0.9	1.4	2.9	3.8	7.4	15.8	16.5	20.1	10.1	3.6	1.1	0.9	2.7
0.55	0.70	0.0	0.9	0.5	0.9	1.9	5.7	16.6	20.4	25.6	14.2	6.6	2.4	1.9	2.4
0.76	1.01	26.1	4.2	3.5	4.8	5.6	8.6	12.4	11.9	13.0	5.4	2.0	0.8	0.7	1.1
1.22	1.31	4.4	2.9	4.2	7.0	8.3	10.7	14.6	15.6	19.3	7.6	2.1	0.8	0.5	2.1
1.31	1.40	0.0	0.6	1.0	1.6	3.8	10.8	23.9	23.9	23.6	7.3	1.6	0.3	0.3	1.3
1.43	1.65	21.3	3.6	4.9	7.0	11.6	14.8	14.1	9.0	7.0	2.7	1.1	0.5	0.5	1.8
1.92	2.04	2.2	0.8	1.9	2.7	4.9	12.7	28.6	19.5	13.2	6.8	3.0	0.8	1.1	1.9
2.04	2.06	0.0	0.0	0.0	0.4	1.6	3.5	7.8	9.8	18.0	19.6	15.7	9.8	6.7	7.1
3.14	3.15	0.0	0.4	0.9	1.3	1.3	2.2	5.4	8.9	13.8	9.8	5.4	1.8	1.8	*
3.23	3.35	0.0	1.3	0.0	2.0	3.9	9.2	15.8	16.4	21.7	15.1	7.9	3.3	2.0	1.3
3.41	3.46	7.1	2.5	2.5	4.7	7.5	11.8	17.4	13.4	16.5	9.9	4.0	1.2	0.6	0.9
3.47	3.51	0.0	1.0	0.3	1.3	2.6	5.9	12.1	17.0	28.2	20.7	7.5	1.3	1.0	1.0
3.81	3.96	9.4	1.3	2.7	4.3	5.4	7.8	11.6	11.8	18.3	15.1	7.3	2.2	1.1	1.9
3.96	3.97	0.0	0.9	0.3	1.2	2.4	6.0	13.8	14.1	19.8	15.0	8.1	4.5	4.2	9.6
3.99	4.01	0.0	0.0	0.0	0.2	0.2	0.5	0.7	1.2	3.4	7.3	10.0	7.3	5.4	*
4.08	4.18	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	10.1	22.7	27.3	17.2	10.1	10.6
4.30	4.42	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.6	5.3	25.4	44.2	14.7	6.0	1.9
4.60	4.75	0.0	0.0	0.0	0.0	0.0	0.3	2.1	10.0	33.1	34.0	14.3	4.3	1.2	0.6
4.97	4.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	5.8	36.3	37.8	11.2	5.0	3.6
5.12	5.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	8.8	21.1	*

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 950--Continued															
6.22	6.34	0.0	5.2	2.1	2.8	3.8	10.1	25.1	21.6	18.5	6.3	1.4	0.7	1.0	1.4
6.37	6.46	0.0	0.0	0.0	0.0	0.0	0.0	2.2	13.9	46.1	18.3	8.3	5.6	3.3	2.2
6.52	6.61	0.0	0.0	0.0	0.0	0.4	0.4	0.4	3.5	14.3	13.1	20.8	22.4	15.8	8.9
6.71	6.77	0.0	0.0	0.0	0.4	0.4	1.6	5.7	8.6	14.3	9.4	12.2	18.0	15.1	14.3
6.86	7.01	0.0	0.0	0.0	0.0	0.3	1.3	8.0	24.1	45.3	10.3	3.5	2.6	2.3	2.3
7.35	7.50	4.4	1.2	0.6	1.2	2.3	7.0	19.5	25.7	24.2	6.1	2.6	2.0	1.7	1.5
7.65	7.77	0.0	0.0	0.0	0.0	0.0	1.1	6.1	14.4	28.9	26.1	16.1	3.9	2.2	1.1
7.92	8.08	1.1	1.6	1.6	3.7	5.8	11.1	20.5	20.0	19.5	7.9	3.7	1.1	1.1	1.6
8.14	8.29	0.0	0.8	0.0	0.8	0.8	2.3	9.2	26.0	38.9	14.5	3.8	1.5	0.8	0.8
8.32	8.38	0.0	2.2	4.9	13.8	29.3	28.4	10.7	5.3	1.8	0.9	0.9	0.4	0.4	0.9
8.53	8.66	30.0	3.9	4.1	5.6	7.6	12.4	16.1	8.5	5.9	2.4	1.4	0.5	0.5	1.2
8.66	8.78	8.4	3.1	2.9	2.5	3.8	6.3	7.7	6.5	8.2	5.0	3.6	2.7	3.1	*
8.78	8.81	30.2	5.0	3.4	3.9	4.3	6.7	10.9	8.7	9.8	5.8	3.2	1.9	1.8	4.5
9.24	9.39	13.6	3.2	2.1	4.5	8.0	13.8	16.8	12.2	12.8	5.6	2.4	1.1	1.1	2.9
9.39	9.60	0.0	2.5	0.4	1.3	1.3	2.1	3.4	3.0	5.1	4.7	4.7	5.5	6.4	*
9.75	9.81	3.8	5.0	4.2	5.5	3.4	4.2	6.3	8.0	11.3	7.1	3.8	2.1	1.7	*
9.81	9.91	4.5	1.2	0.8	1.7	1.7	2.9	3.7	3.7	5.4	5.0	5.0	4.5	5.0	*
9.94	9.97	32.2	16.3	10.6	6.5	3.5	2.2	2.9	3.7	6.7	5.1	3.1	1.6	1.4	4.3
10.00	10.18	24.5	10.6	11.3	12.1	7.2	4.4	4.9	4.9	6.2	3.9	2.3	1.5	1.5	4.6
10.36	10.45	14.0	1.8	1.8	2.6	2.9	5.3	7.7	5.5	6.1	4.0	3.2	2.6	3.4	*
10.45	10.58	4.2	3.0	4.2	6.3	7.2	9.7	14.8	13.9	15.6	8.9	4.6	2.1	1.7	3.8
10.73	10.88	36.3	6.4	8.0	8.7	6.8	7.6	9.1	5.2	3.7	1.7	1.2	1.0	1.0	3.3
13.72	15.24	0.0	2.1	3.8	6.7	10.0	14.6	18.8	14.2	15.0	7.9	3.3	0.4	1.3	2.1
17.68	18.90	0.7	0.4	1.1	1.9	3.3	9.3	19.6	18.9	21.9	13.0	5.6	1.5	0.7	2.2
20.42	21.34	0.0	0.4	0.4	0.7	1.5	4.1	10.1	13.1	25.0	19.4	11.2	5.6	3.4	5.2
25.91	26.21	6.4	3.4	4.0	4.5	4.3	6.0	8.7	10.4	19.4	16.4	7.7	2.6	1.9	4.2
26.52	26.82	0.0	1.3	1.6	1.9	3.2	4.8	7.3	7.9	5.1	6.3	2.9	1.0	1.0	*
PROJECT WELL 951															
0.15	0.37	0.0	6.4	5.0	6.4	7.8	11.0	14.6	13.7	15.5	9.1	4.1	1.4	1.4	3.7
0.67	0.79	0.0	0.0	0.4	0.4	0.4	1.6	5.8	11.5	35.8	30.9	9.5	1.6	1.2	0.8
0.85	1.01	10.0	4.3	4.3	6.9	10.0	15.2	17.7	12.6	10.4	4.8	1.7	0.4	0.4	1.3
1.28	1.40	0.0	0.4	0.0	0.0	0.4	2.5	18.8	35.1	30.5	7.9	2.5	0.4	0.4	0.8
1.58	1.68	1.1	0.9	0.9	3.1	6.6	14.2	20.5	14.0	14.2	11.1	6.3	1.7	2.0	3.4
1.83	1.89	0.0	0.8	1.3	3.7	7.8	18.4	28.9	14.7	10.2	5.9	3.2	1.3	1.1	2.7
1.95	2.10	15.6	5.2	7.1	9.2	9.7	11.6	14.6	10.4	7.5	3.1	1.4	0.9	0.9	2.8
2.10	2.13	0.0	0.0	0.4	0.4	1.1	3.0	10.0	12.6	18.1	17.8	12.2	8.5	7.4	8.5
2.44	2.50	0.0	1.6	2.4	5.6	11.1	21.0	27.8	13.9	8.7	3.6	1.6	0.8	0.4	1.6
2.53	2.56	0.0	0.0	0.0	0.4	0.8	0.8	1.2	1.9	6.2	11.7	16.7	15.2	15.6	29.6
2.65	2.80	21.2	7.4	7.9	8.2	7.2	8.2	12.1	10.3	9.3	3.7	1.6	0.7	0.7	1.6
3.05	3.11	22.0	6.1	5.0	5.0	5.0	7.4	14.1	15.1	13.0	4.0	1.3	0.3	0.8	0.8
3.26	3.29	0.0	0.2	0.0	0.0	0.2	0.2	0.2	0.4	1.3	3.6	9.2	16.6	23.8	*
3.35	3.51	0.0	1.4	0.9	1.9	3.7	8.3	18.5	20.8	21.8	11.6	6.9	1.4	1.4	1.4
4.27	4.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.2	10.1	25.4	*
4.48	4.63	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.3	14.9	39.5	23.0	9.6	6.1	5.1
4.97	5.00	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.7	7.2	22.9	14.5	6.7	8.7	*
5.06	5.21	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.4	12.8	32.4	24.7	15.9	12.2
5.24	5.30	0.0	0.0	0.0	0.0	0.4	0.8	3.6	8.3	19.0	23.3	18.6	13.4	7.1	5.5
5.64	5.79	0.0	0.4	0.4	0.7	1.1	3.7	15.8	26.7	32.2	13.6	3.3	0.7	0.7	0.7

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 951--Continued															
5.79	5.82	0.0	0.0	0.0	0.3	0.3	0.0	0.3	2.0	16.0	32.0	24.7	9.8	7.9	6.7
5.88	5.94	0.0	0.0	0.0	0.0	0.2	0.2	0.8	1.6	1.9	1.4	5.3	14.4	29.6	*
6.22	6.31	0.0	0.0	0.0	0.0	0.0	0.0	0.6	8.1	29.4	28.8	21.3	5.0	4.4	2.5
6.43	6.58	0.0	0.0	0.0	0.0	0.0	0.0	28.8	12.3	26.7	19.3	8.5	1.5	1.3	1.5
6.71	6.83	0.0	6.3	0.5	0.0	0.5	2.3	12.7	22.2	24.0	16.7	9.0	1.8	1.4	2.7
7.01	7.16	0.0	0.0	0.0	0.0	0.0	0.4	2.8	13.8	42.1	30.8	7.7	0.8	0.8	0.8
7.62	7.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	36.5	33.3	17.7	4.2	1.7	2.1
8.23	8.38	0.0	0.0	0.0	0.0	0.0	0.4	2.6	14.7	34.6	22.1	17.3	4.4	2.2	1.8
8.53	8.63	0.0	0.0	0.0	0.0	0.0	0.3	1.5	7.7	13.2	26.5	35.7	11.1	2.5	1.5
8.63	8.69	36.0	6.0	4.7	5.1	4.9	5.7	7.2	7.0	11.3	5.8	3.2	1.1	0.8	1.2
8.69	8.75	0.0	1.1	0.4	0.7	1.1	2.2	5.5	17.2	45.6	17.5	4.7	1.1	1.1	1.8
9.14	9.21	0.0	0.0	0.0	0.0	0.0	0.0	1.4	8.4	16.3	25.6	34.0	9.8	3.3	1.4
9.33	9.48	28.7	6.0	5.0	6.1	7.0	11.9	14.8	8.0	6.1	2.7	1.3	0.7	0.5	1.3
9.48	9.51	2.2	1.5	3.3	3.3	3.3	4.4	4.8	2.9	3.3	2.9	2.9	1.8	2.9	*
9.51	9.63	0.0	0.0	0.0	0.4	0.4	0.8	3.7	8.2	18.4	23.4	21.3	9.0	6.6	7.8
10.03	10.18	0.0	0.0	0.0	0.4	1.3	2.5	5.9	7.1	13.8	22.2	25.9	12.6	5.9	2.5
10.36	10.55	0.0	0.0	0.0	0.0	0.4	1.2	3.3	5.7	13.9	23.7	28.6	13.5	6.1	3.7
10.61	10.76	0.0	0.0	0.0	0.0	0.4	1.3	6.2	9.7	18.1	24.3	23.0	10.2	4.4	2.2
10.97	11.13	0.0	0.0	0.0	0.5	0.5	2.3	8.2	8.2	15.1	22.8	22.8	10.0	5.5	4.1
PROJECT WELL 952															
0.37	0.52	0.0	0.0	0.0	0.4	0.8	3.9	15.2	22.7	28.5	17.2	7.0	2.0	0.8	1.6
0.61	0.73	0.0	0.3	0.3	0.3	1.2	4.6	16.0	19.8	25.6	16.7	7.7	2.5	1.5	3.4
0.91	1.01	0.0	2.0	0.9	0.9	1.5	4.4	13.1	18.3	26.5	18.0	8.4	2.6	1.5	2.0
1.01	1.10	0.0	3.5	1.5	3.0	3.5	6.0	12.5	17.0	26.0	14.0	6.5	2.0	1.5	3.0
1.22	1.34	0.0	0.5	0.5	0.5	0.8	5.1	17.6	21.5	29.3	16.0	5.1	1.3	0.8	1.1
1.34	1.49	0.0	3.5	1.3	2.4	3.7	8.0	18.2	21.1	22.5	9.9	3.7	1.6	1.1	2.9
1.49	1.62	19.5	4.2	5.1	6.0	6.7	10.5	13.5	10.9	11.4	5.3	2.1	0.9	0.9	2.8
1.83	1.86	0.0	1.3	0.7	1.0	1.6	6.5	17.9	21.2	25.1	14.7	5.9	1.6	1.0	1.6
1.89	2.01	5.7	4.6	6.0	11.7	13.4	15.2	16.6	9.5	7.1	3.5	2.1	1.1	0.7	2.8
2.04	2.13	10.2	2.7	4.4	5.3	7.1	12.4	19.5	17.3	12.8	4.4	1.8	0.9	0.4	0.9
2.16	2.26	0.0	0.8	1.2	2.1	4.1	9.9	18.2	20.7	25.2	11.6	3.7	0.8	0.4	1.2
2.44	2.50	0.0	0.3	0.3	0.3	1.2	2.1	2.1	2.1	3.3	5.8	10.6	20.1	24.0	27.7
2.50	2.62	10.9	3.9	5.7	8.8	11.7	15.8	15.3	8.3	7.8	4.4	2.3	1.0	1.0	2.9
2.62	2.68	0.0	0.0	0.3	0.3	0.9	2.1	8.5	18.0	35.4	22.6	8.2	2.1	0.9	0.6
2.68	2.80	2.7	5.0	6.6	8.9	10.1	12.0	12.8	10.1	13.6	8.9	3.9	1.2	1.2	3.1
3.05	3.14	7.0	3.3	3.7	6.1	5.7	7.7	8.5	7.9	10.3	8.3	6.8	5.7	5.0	14.0
3.66	3.72	44.5	6.2	5.0	5.9	4.4	4.7	6.5	6.5	7.2	3.7	1.9	0.9	0.6	1.9
3.81	3.96	40.4	8.7	9.1	10.0	7.2	5.8	5.0	3.1	3.0	1.8	1.3	0.8	0.9	2.9
4.27	4.36	0.0	1.1	0.7	1.8	2.1	4.3	9.3	16.1	31.4	19.6	8.2	2.1	1.4	1.8
4.42	4.51	1.9	4.5	8.6	12.3	13.1	14.6	13.4	10.4	11.6	5.2	1.9	0.7	0.7	1.1
4.51	4.63	20.2	5.1	8.8	12.8	11.6	12.1	11.4	6.0	4.4	2.1	1.4	0.9	0.7	2.6
4.88	4.91	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.2	2.0	2.4	6.1	13.8	20.3	*
4.94	5.06	0.0	0.5	0.5	0.5	0.5	1.1	3.3	8.2	26.6	31.5	16.3	6.5	2.7	1.6
5.06	5.24	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.6	14.0	20.8	17.0	16.4	14.0	14.6
5.24	5.36	0.0	0.0	0.0	0.0	0.3	0.6	2.4	4.2	12.4	22.7	33.0	15.8	5.2	3.3
5.55	5.70	0.0	1.2	0.6	1.2	2.2	4.3	6.5	7.7	15.1	20.3	25.8	9.2	3.4	2.5
5.73	5.79	0.0	0.0	0.4	0.0	0.4	0.4	1.7	2.5	16.0	31.9	27.3	14.3	2.5	2.5
6.22	6.31	0.0	1.3	0.3	0.7	1.3	3.0	6.2	5.9	20.3	29.8	16.7	8.2	3.3	3.0

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 952--Continued															
6.40	6.55	0.0	0.5	0.5	1.4	1.9	3.8	5.6	4.7	19.7	31.5	17.4	6.1	5.2	1.9
6.86	7.01	0.0	2.3	1.3	2.7	6.0	17.1	39.3	17.4	4.4	4.7	3.0	1.0	0.3	0.3
7.01	7.16	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	13.8	47.0	26.1	6.7	2.4	2.4
7.47	7.62	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	8.4	31.4	33.6	13.9	6.6	4.7
8.29	8.44	0.0	0.0	0.0	0.6	0.8	2.0	5.4	9.3	27.7	30.8	15.0	4.0	2.0	2.5
8.56	8.72	0.0	0.3	0.3	0.3	0.3	0.7	1.7	4.2	19.0	37.7	22.5	6.6	3.1	3.1
8.87	9.02	2.4	1.7	2.0	3.1	6.8	16.4	30.4	19.8	9.6	3.1	2.0	1.0	0.7	1.0
9.17	9.33	0.0	0.0	0.0	0.0	0.4	1.8	12.9	22.3	34.5	18.3	6.1	1.4	1.1	1.1
9.42	9.57	0.0	0.0	0.0	0.0	1.3	5.5	12.7	12.7	25.8	23.3	11.4	3.8	1.7	1.7
9.75	9.85	0.0	0.7	0.7	1.7	4.3	12.3	21.5	14.9	17.2	14.2	7.6	2.3	1.3	1.3
9.85	10.12	0.0	0.0	0.3	1.1	4.3	12.0	17.9	12.3	18.5	17.4	9.1	3.1	1.1	2.8
10.12	10.21	0.0	0.6	0.6	1.5	1.5	7.3	30.0	30.3	14.1	5.8	4.0	1.5	0.9	1.8
10.42	10.64	16.3	1.6	2.0	3.3	4.5	9.3	18.3	16.3	12.2	6.5	4.1	2.0	1.2	2.4
10.64	10.76	0.0	0.0	0.0	0.3	0.3	0.3	0.8	0.8	1.5	3.6	7.4	14.6	17.9	*
11.19	11.37	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.8	2.2	4.3	9.7	22.6	*
11.61	11.70	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9	2.1	2.1	3.0	6.8	19.2	*
11.70	11.73	0.0	0.0	0.8	2.5	2.5	4.2	7.6	7.6	9.7	8.1	9.3	11.9	14.8	20.8
11.80	11.95	0.0	0.0	0.0	0.0	0.5	0.5	0.9	1.4	3.2	3.6	4.5	6.4	14.5	*
11.98	12.01	24.1	4.8	3.8	4.3	5.4	9.7	14.5	8.6	6.7	3.5	2.1	1.9	2.4	8.3
12.19	12.25	38.8	5.6	4.1	4.3	3.3	4.8	7.9	7.1	9.1	5.5	2.8	1.4	1.4	3.8
12.25	12.34	0.0	1.8	0.7	0.7	0.7	2.2	11.9	21.9	31.3	15.8	6.1	2.2	1.8	2.9
13.11	13.41	0.0	0.3	0.3	0.3	0.3	0.3	0.9	1.2	6.2	16.7	28.1	22.8	12.7	9.9
PROJECT WELL 953															
0.21	0.37	0.0	0.3	0.3	0.9	2.1	5.8	16.8	20.2	24.8	15.0	6.7	2.4	1.2	3.4
0.61	0.76	4.2	0.4	0.4	1.2	1.2	3.1	9.7	16.2	25.9	18.9	10.0	3.5	1.9	3.5
0.76	0.85	9.0	2.1	4.3	3.9	3.4	6.4	11.6	12.4	15.5	11.2	6.9	3.4	3.0	6.9
0.85	1.01	0.0	2.6	2.1	4.1	5.0	8.5	17.4	17.9	22.1	12.4	4.7	1.5	0.6	1.2
1.22	1.28	3.2	1.1	2.1	3.2	4.3	5.3	9.6	12.3	21.9	18.7	9.6	3.7	1.6	3.2
1.40	1.55	23.1	4.3	4.5	7.5	9.2	11.6	11.6	7.6	8.8	4.9	2.2	0.8	0.8	3.1
1.89	2.01	0.0	0.6	0.6	2.1	5.1	12.6	21.6	19.2	22.2	10.2	3.0	0.6	0.6	1.8
2.01	2.10	3.4	3.8	5.0	9.5	14.1	21.8	21.0	9.9	5.3	1.9	1.1	0.4	0.8	1.9
2.10	2.23	1.2	1.6	3.2	4.4	7.3	12.5	18.1	14.5	17.3	10.9	4.8	1.6	0.8	1.6
2.23	2.32	11.2	3.3	3.7	6.7	8.2	13.0	15.2	10.8	11.2	6.7	3.7	1.9	1.5	3.0
2.44	2.45	7.7	0.4	0.7	1.1	1.4	2.8	3.5	3.5	6.0	7.7	12.3	15.8	14.7	22.5
2.62	2.77	50.8	7.6	6.4	5.0	2.7	2.1	2.3	3.0	6.2	5.2	3.0	1.6	1.3	2.9
3.05	3.17	27.9	9.9	12.1	14.2	11.5	7.6	4.0	2.2	2.7	1.8	1.1	0.9	0.9	3.1
3.17	3.19	2.9	1.4	3.2	7.2	8.4	8.1	6.3	4.6	7.8	7.2	4.9	3.2	3.2	*
3.20	3.32	0.0	0.0	0.0	1.2	2.3	5.2	11.6	16.9	33.7	20.9	5.2	1.2	0.6	1.2
3.32	3.44	0.7	3.1	2.7	5.1	8.8	13.6	18.4	14.3	17.0	9.9	3.4	0.7	1.4	1.0
3.66	3.72	0.0	2.7	1.9	2.9	4.8	11.1	24.9	19.9	17.8	8.0	2.4	1.1	0.5	2.1
3.81	3.96	13.2	4.1	6.3	8.2	9.9	14.7	15.8	8.6	8.6	5.6	2.2	0.7	0.7	1.5
4.33	4.48	10.9	7.6	7.2	10.7	10.6	12.8	13.5	8.9	8.9	4.3	1.7	0.7	0.7	1.5
4.51	4.57	0.0	1.0	0.3	0.5	1.6	3.4	8.4	14.1	30.6	20.4	8.9	3.7	3.7	3.4
4.60	4.66	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	2.3	6.0	15.7	21.4	17.1	*
4.88	4.97	0.0	0.0	0.4	0.0	0.4	0.4	3.7	13.0	34.1	27.6	12.2	3.7	2.8	1.6
4.97	5.06	0.0	0.0	0.0	0.0	0.7	0.0	0.7	4.8	22.4	27.9	23.8	10.9	5.4	3.4
5.15	5.30	0.0	0.5	0.0	0.5	0.5	1.0	4.1	13.0	39.9	25.4	8.3	3.1	1.6	2.1
5.73	5.88	0.0	0.0	0.0	0.0	0.0	0.0	1.5	15.7	54.9	21.3	4.0	1.2	0.6	0.6

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 953--Continued															
6.25	6.37	5.8	1.2	0.8	1.9	3.8	9.2	28.8	21.5	8.5	9.2	4.6	1.5	1.2	1.9
6.37	6.52	0.0	2.0	1.0	2.0	4.5	11.1	27.8	20.2	9.1	12.6	5.6	1.5	1.0	1.5
6.52	6.55	0.0	0.4	0.4	1.6	3.6	8.8	18.0	14.4	10.4	20.4	12.4	4.4	2.4	2.8
6.71	6.83	0.0	0.7	0.4	0.4	0.7	2.1	4.2	14.1	45.2	20.8	6.4	2.1	1.4	1.4
6.89	7.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.7	35.0	37.1	13.6	5.0	2.9
7.62	7.77	0.0	3.1	0.5	0.5	1.0	5.2	22.5	24.6	19.9	15.0	4.9	1.3	0.5	0.8
8.20	8.35	0.0	0.0	0.0	0.0	0.0	0.0	1.2	9.3	41.1	33.7	9.8	2.4	1.2	1.2
8.53	8.66	0.0	0.0	0.0	0.0	0.0	0.3	2.5	9.6	34.8	35.3	12.1	3.3	1.1	1.1
8.90	9.05	0.0	0.0	0.0	0.7	0.4	7.3	27.6	20.4	17.8	14.2	7.6	2.2	0.7	1.1
9.14	9.30	0.0	0.0	0.0	0.0	0.4	2.0	25.8	25.4	21.7	13.5	6.6	2.0	1.2	1.2
9.45	9.60	0.0	0.0	0.0	0.4	1.5	9.2	32.6	25.3	15.7	7.7	4.2	1.5	0.8	1.1
9.75	9.81	0.0	0.0	0.0	0.0	1.3	8.5	42.1	26.0	11.5	4.7	2.6	0.9	0.9	1.7
10.03	10.18	0.0	0.8	0.8	1.2	2.4	9.8	32.9	24.0	14.6	6.5	3.3	1.2	0.8	1.6
10.36	10.49	0.0	0.6	0.9	1.8	2.7	5.0	11.9	19.3	32.3	14.2	3.6	1.5	1.8	4.5
10.49	10.52	0.0	0.6	0.6	2.5	5.6	13.1	26.6	25.0	14.4	4.1	0.9	0.9	1.6	4.1
10.52	10.58	0.0	0.0	0.4	0.7	1.5	4.8	10.4	13.0	30.4	20.4	3.3	1.5	3.7	10.0
10.58	10.76	0.0	0.4	0.8	1.6	4.1	9.9	22.6	20.2	18.9	5.8	1.6	1.6	3.3	9.1
11.09	11.25	0.0	1.9	1.5	5.6	7.8	14.9	27.2	12.7	6.3	3.0	1.5	1.5	4.1	11.9
11.25	11.31	0.0	1.0	1.5	4.0	4.5	13.1	15.2	6.1	6.1	4.5	3.0	4.0	11.1	25.8
12.80	13.11	16.8	2.9	2.1	3.4	6.1	12.4	23.4	15.5	8.2	2.1	1.1	0.8	1.3	3.9
PROJECT WELL 954															
0.09	0.27	0.0	5.3	2.0	3.3	3.7	6.5	12.7	15.1	20.0	13.1	6.5	2.4	2.0	7.3
0.61	0.76	0.0	2.6	1.8	3.3	4.7	8.8	15.7	16.4	20.4	15.0	6.6	2.2	1.1	1.5
1.04	1.19	4.7	0.8	1.6	3.2	6.3	14.7	24.2	18.2	16.6	6.6	1.6	0.5	0.3	0.8
1.22	1.34	0.0	4.6	1.5	2.7	4.6	8.5	15.0	14.2	19.6	14.6	7.3	2.7	1.5	3.1
1.34	1.37	4.6	7.2	4.6	7.9	9.9	13.2	17.8	12.5	11.2	5.3	2.0	1.3	0.7	2.0
1.37	1.49	0.0	5.9	3.2	6.8	9.0	14.4	17.1	11.3	13.1	8.6	4.5	2.3	1.4	2.7
1.49	1.62	0.0	0.0	0.0	0.0	0.0	0.0	0.5	7.2	35.3	37.6	14.0	2.7	1.4	1.4
1.62	1.68	4.9	2.4	2.4	3.7	4.9	9.8	17.1	12.2	15.1	12.2	6.5	2.9	2.0	3.7
1.83	1.92	0.0	0.0	0.0	0.7	1.4	2.7	7.5	11.6	23.1	22.4	14.3	6.1	4.8	5.4
1.98	2.13	9.8	2.1	1.7	3.5	5.2	10.5	17.8	16.4	18.8	7.7	2.4	1.0	0.7	2.4
2.44	2.53	3.7	3.7	4.9	9.8	12.3	14.7	13.2	11.3	14.7	5.8	2.1	0.9	0.6	2.1
2.53	2.65	10.2	9.1	11.7	12.3	11.7	13.6	11.7	5.7	5.2	2.6	1.6	0.8	1.0	2.6
2.77	2.87	15.6	1.5	1.5	2.4	4.2	8.4	14.7	12.3	15.6	13.5	7.2	1.8	0.6	0.9
3.05	3.11	8.0	2.6	2.4	6.4	11.1	21.5	24.1	11.8	7.6	2.6	0.9	0.2	0.2	0.5
3.11	3.14	0.0	0.0	0.0	0.0	0.8	1.3	2.1	3.4	13.9	30.3	29.4	11.3	4.6	2.9
3.14	3.20	0.0	0.0	0.0	1.2	2.4	5.3	11.2	16.5	28.2	20.0	10.0	2.4	1.8	1.2
3.23	3.38	0.0	2.0	0.8	2.4	6.1	15.9	28.2	20.4	15.9	4.9	1.6	0.4	0.4	0.8
3.90	4.05	32.8	7.0	5.0	4.6	4.8	7.3	11.6	9.4	8.8	4.0	1.8	0.9	0.7	1.3
4.42	4.57	30.0	4.3	3.1	4.1	4.1	6.4	11.1	10.9	13.3	6.8	2.5	1.0	0.8	1.6
4.88	4.94	1.1	2.2	2.2	3.9	5.0	10.6	21.1	20.0	20.0	8.3	2.8	1.1	0.6	1.1
5.06	5.21	20.3	6.3	3.9	4.4	4.7	6.4	11.5	13.2	16.1	6.8	2.4	1.2	0.8	2.0
6.28	6.43	0.0	0.0	0.0	0.0	0.4	0.9	8.8	20.2	44.3	20.2	3.9	0.4	0.4	0.4
6.46	6.55	4.1	2.1	2.9	4.5	7.0	13.6	24.7	16.9	12.3	5.8	2.5	1.2	0.8	1.6
6.86	7.01	0.0	0.7	1.1	2.5	5.1	14.1	27.9	16.3	9.1	12.0	6.5	1.8	1.8	1.1
7.04	7.16	0.0	0.0	0.0	0.6	1.2	3.5	8.5	12.0	23.8	23.5	14.4	5.9	3.5	3.2
7.32	7.47	0.0	0.0	0.4	0.0	0.4	0.4	2.7	13.7	39.9	28.9	9.1	1.9	1.1	1.5
7.65	7.80	0.0	0.0	0.0	0.0	0.0	0.0	0.9	7.7	28.8	39.1	17.6	2.1	2.1	1.7

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 954--Continued															
8.29	8.44	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.6	9.8	32.3	37.4	11.8	3.5	2.4
8.53	8.56	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	26.2	38.1	20.6	4.0	2.4	2.4
8.56	8.69	0.0	0.5	0.0	1.1	1.6	3.2	11.1	23.3	32.8	14.3	6.9	3.2	1.1	1.1
8.78	8.93	0.0	0.0	0.0	0.0	0.4	1.1	8.1	23.5	43.0	15.8	5.1	1.5	0.7	0.7
8.93	9.02	7.9	4.0	4.3	5.6	6.6	9.3	12.9	10.9	12.6	7.6	4.6	3.3	2.6	7.6
9.30	9.45	30.8	2.9	3.2	5.7	8.1	13.2	15.6	7.6	5.1	2.6	1.9	1.0	0.7	1.7
9.75	9.81	0.0	0.0	0.5	1.6	2.2	3.8	7.0	7.0	13.4	19.9	22.6	12.9	4.8	4.3
10.36	10.42	0.0	8.2	1.9	3.8	5.5	8.9	12.7	9.1	12.5	14.4	12.7	5.5	2.4	2.4
10.42	10.49	0.0	0.0	0.0	0.0	0.4	2.3	5.3	7.6	17.1	25.5	26.2	10.6	3.8	1.1
10.49	10.55	0.0	0.0	0.0	0.0	0.4	2.3	6.1	10.3	24.3	22.8	19.4	9.1	3.8	1.5
10.55	10.61	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.3	24.5	28.8	26.0	8.7	3.8	1.9
10.61	10.67	0.0	0.0	0.0	0.0	0.9	2.6	8.2	9.9	19.4	20.3	21.6	10.3	5.2	1.7
10.73	10.79	0.0	0.0	0.0	0.0	0.9	1.9	5.2	8.0	17.4	24.4	25.8	9.4	5.2	1.9
10.85	10.91	0.0	0.0	0.0	0.0	0.0	1.5	5.9	8.8	17.1	23.4	25.4	12.2	3.9	2.0
[1]10.97	10.97	0.0	0.3	0.3	0.3	0.8	2.2	5.8	8.4	16.2	21.2	24.5	12.8	5.0	2.2
10.97	11.03	0.0	0.0	0.0	0.0	0.4	1.7	5.5	8.1	15.7	21.3	25.5	14.5	5.1	2.1
11.03	11.09	0.0	1.2	0.0	0.4	1.2	3.3	7.7	8.9	15.0	19.1	22.8	13.0	4.9	2.4
11.09	11.16	0.0	0.8	0.4	0.8	1.6	3.5	7.5	8.7	17.3	22.8	21.7	9.8	3.1	2.0
11.16	11.22	0.0	0.0	0.0	0.5	1.0	2.4	4.3	6.2	14.8	26.8	30.1	7.7	2.4	3.8
11.22	11.28	0.0	0.0	0.0	0.0	1.3	3.5	9.6	11.8	22.4	22.8	14.9	6.1	3.5	3.9
11.34	11.40	0.0	0.0	0.0	0.5	0.9	4.1	9.5	8.6	15.9	20.0	20.9	11.4	5.9	2.3
11.40	11.46	0.0	0.0	0.0	0.4	0.4	1.3	4.2	5.9	15.1	21.8	25.2	16.0	7.1	2.5
11.46	11.52	0.0	0.0	0.0	0.6	1.2	2.4	6.0	8.3	14.9	18.5	20.8	13.7	8.9	4.8
11.52	11.55	0.0	0.0	0.0	0.3	1.6	4.4	9.6	11.8	17.8	18.6	17.3	9.9	5.2	3.6
11.58	11.64	0.0	0.8	0.0	0.8	1.3	3.8	10.0	10.8	17.5	19.6	20.0	8.8	4.6	2.1
11.64	11.70	0.0	0.0	0.0	0.4	0.9	2.6	7.5	10.1	17.5	21.1	21.5	11.4	4.4	2.6
11.70	11.77	0.0	0.0	0.0	0.0	0.8	3.3	10.0	13.7	20.7	21.6	18.3	7.5	2.1	2.1
11.77	11.83	0.0	0.0	0.0	0.0	1.0	4.8	12.4	12.9	18.7	19.1	20.1	7.2	1.9	1.9
11.83	11.89	0.0	0.0	0.0	0.0	1.4	5.6	13.6	13.1	16.9	17.4	17.4	8.5	3.8	2.3
11.89	11.95	0.0	0.0	0.0	0.0	0.4	1.2	3.7	4.6	7.5	12.4	24.9	22.8	13.7	8.7
11.95	12.01	0.0	0.0	0.0	0.3	1.0	3.6	8.8	9.8	16.0	19.9	21.5	10.7	4.2	4.2
12.19	12.25	0.0	0.0	0.0	0.0	1.0	2.5	6.5	8.5	13.6	19.1	24.1	13.6	7.5	3.5
12.25	12.31	0.0	0.0	0.0	0.0	0.8	3.6	9.7	11.3	17.8	20.6	20.2	8.9	4.5	2.4
12.31	12.38	0.0	0.0	0.0	0.4	1.5	4.6	9.7	9.7	14.7	17.0	20.1	12.0	6.6	3.9
12.38	12.44	0.0	0.0	0.0	0.4	0.9	3.4	7.9	8.5	14.3	19.2	23.0	12.4	5.3	4.7
12.44	12.50	0.0	0.0	0.0	0.0	0.0	0.4	1.5	1.9	4.6	12.4	29.7	27.4	11.6	10.4
12.50	12.56	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	3.0	7.1	22.6	27.4	19.6	17.3
12.56	12.62	0.0	0.2	0.0	0.0	0.2	0.5	0.9	1.2	2.6	7.3	23.2	26.8	15.5	*
[1]13.11	13.11	0.0	0.0	0.0	0.4	0.8	1.6	3.9	4.7	8.5	14.0	23.3	21.7	10.9	3.9
13.41	13.72	0.0	0.3	0.0	0.0	0.3	0.3	1.3	1.6	3.1	5.9	14.5	21.4	19.1	*
PROJECT WELL 956															
0.94	1.01	14.0	2.2	4.1	6.3	6.7	7.6	7.0	5.7	10.2	11.7	7.6	4.4	4.1	8.3
1.22	1.34	21.5	4.8	4.8	7.8	9.9	14.0	15.4	8.5	6.1	2.7	1.4	0.3	0.7	2.0
1.83	1.86	0.0	4.7	1.9	3.3	4.7	7.5	13.1	13.6	17.8	11.7	7.0	3.8	4.2	6.6
1.86	1.92	0.0	6.1	1.0	2.5	3.6	5.1	8.6	11.2	20.8	22.3	12.2	3.6	1.5	1.5
1.92	2.07	0.0	4.4	2.6	3.1	4.4	8.4	15.0	16.3	23.3	13.2	4.8	0.9	1.8	1.8
2.12	2.16	4.4	7.8	8.3	11.3	13.2	17.2	15.7	7.4	5.4	3.9	2.0	1.0	0.5	2.0
2.16	2.26	0.0	3.8	3.4	6.8	9.1	16.3	20.8	13.6	11.7	7.6	3.4	0.8	1.1	1.5

Table 6.--Particle-size distribution by sieve analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained -2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Pan
PROJECT WELL 956--Continued															
2.53	2.65	22.5	5.0	3.9	5.9	6.9	9.9	12.3	9.9	10.6	5.6	2.2	0.9	1.1	3.3
3.26	3.41	0.0	0.3	0.3	0.8	3.3	3.3	11.7	24.8	37.0	10.9	4.2	0.6	1.7	1.1
3.66	3.72	0.0	0.0	0.3	0.3	0.8	2.5	12.1	23.3	39.9	11.5	5.3	1.4	1.1	1.4
4.30	4.42	0.0	0.0	0.0	0.0	0.0	0.0	3.1	17.3	41.8	21.8	10.9	3.1	1.4	0.7
4.48	4.54	0.0	1.3	0.7	2.7	4.7	7.4	25.5	26.8	18.8	4.7	3.4	1.3	1.3	1.3
4.57	4.72	0.0	0.0	0.0	0.0	0.4	2.2	23.1	34.1	27.5	7.0	3.1	1.3	0.4	0.9
5.76	5.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	9.4	20.4	*
5.91	5.94	21.5	3.6	5.3	4.7	5.9	7.5	5.9	6.4	4.2	3.6	3.6	4.7	5.0	17.9
6.28	6.37	15.1	6.6	6.6	8.1	6.2	7.9	10.1	7.2	6.8	4.4	4.8	4.1	3.9	8.3
6.40	6.46	4.9	5.2	7.1	11.3	10.8	15.0	18.5	10.1	6.7	2.5	1.7	1.2	1.2	3.7
6.74	6.89	10.2	3.0	8.3	11.7	9.4	12.1	13.6	9.1	8.7	4.5	2.3	1.5	1.1	4.5
7.32	7.62	8.9	4.0	6.9	10.1	8.5	11.3	17.0	14.2	10.1	3.6	1.6	0.8	0.8	2.0

[1] Measurements of depth below land surface datum are tabulated to one centimeter. Core samples less than one centimeter thick are shown as having the same depth below land surface for top and bottom.

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)

[PC, phi class retained; WP, weight percent; E, end; depth in meters below land-surface datum]

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]													
PROJECT WELL 310																
27.37	27.43	PC	4.5	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.7	9.6	10.1	E		
		WP	6.5	4.3	3.8	1.6	2.2	3.1	1.5	1.6	3.0	2.3	1.9	5.0		
28.90	28.96	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.7	9.6	10.0	E		
		WP	9.1	4.0	1.8	2.7	1.8	1.8	3.3	1.6	2.9	2.2	2.3	5.8		
30.33	30.48	PC	4.5	5.0	5.5	6.0	6.4	6.9	7.4	7.9	8.3	8.8	9.6	10.1	10.4	E
		WP	4.6	3.2	2.6	3.3	3.2	1.3	2.7	1.7	1.9	1.6	1.3	1.3	1.3	7.9
31.46	31.70	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.5	E		
		WP	2.2	3.4	0.6	1.2	4.2	3.7	1.8	2.3	2.2	1.5	3.4	9.8		
31.85	32.00	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.7	9.6	10.1	E		
		WP	13.0	1.2	2.7	2.6	3.3	2.1	2.1	1.8	2.7	2.3	2.1	5.0		
33.32	33.38	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.7	9.6	10.0	E		
		WP	8.3	4.3	1.9	2.9	2.8	3.4	1.9	1.3	2.8	1.9	2.3	5.3		
PROJECT WELL 416																
3.20	3.23	PC	4.2	4.7	5.2	5.7	6.1	6.6	7.1	E						
		WP	17.3	6.7	7.2	6.6	5.5	1.1	2.3	3.3						
3.44	3.54	PC	4.3	4.8	5.3	5.7	6.2	6.7	7.2	7.6	8.1	E				
		WP	25.8	8.6	11.5	10.0	7.2	4.3	2.1	2.2	1.4	5.6				
4.36	4.51	PC	4.3	4.7	5.2	5.7	6.1	6.7	7.1	E						
		WP	30.0	7.3	8.9	5.1	2.6	1.3	1.3	3.7						
9.88	10.18	PC	4.3	4.8	5.2	5.7	6.2	6.7	E							
		WP	4.5	1.1	1.3	1.3	2.5	0.8	4.5							
10.49	10.64	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	8.7	9.3	9.5	E	
		WP	7.0	0.4	1.1	1.6	0.9	1.9	0.6	0.9	0.8	0.8	1.7	0.8	5.5	
PROJECT WELL 417																
23.17	23.47	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.1	E	
		WP	4.6	1.4	2.3	2.4	2.3	1.1	2.3	1.2	2.7	0.6	1.7	1.7	6.4	
24.69	24.99	PC	4.4	4.9	5.8	6.3	6.8	7.3	7.8	8.7	9.6	E				
		WP	4.1	3.1	4.7	2.4	2.3	1.1	1.2	1.2	1.1	7.0				
24.99	25.30	PC	4.4	4.9	5.3	5.8	6.2	6.7	7.2	7.7	8.2	E				
		WP	10.1	2.6	2.5	3.1	2.0	1.0	1.0	1.0	1.0	4.8				

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]														
PROJECT WELL 417--Continued																	
26.21	26.82	PC	4.4	4.9	5.3	5.8	6.3	6.7	E								
		WP	3.8	3.1	1.3	2.1	1.3	1.3	5.6								
27.74	28.04	PC	4.7	5.1	5.5	5.9	6.4	6.8	7.3	7.8	8.7	9.6	10.0	10.5	E		
		WP	8.3	8.7	9.2	13.4	9.2	10.1	3.4	3.3	4.2	2.5	1.7	1.6	6.8		
28.04	28.35	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.7	8.2	8.7	9.6	10.0	10.5	E	
		WP	11.5	7.8	7.3	8.3	4.3	5.4	3.7	2.7	2.7	0.9	1.3	1.8	0.9	7.2	
30.79	31.39	PC	4.5	5.0	5.5	5.9	6.4	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.3	10.5	E
		WP	5.2	4.2	2.3	2.3	3.5	2.3	2.3	2.3	2.3	2.3	1.4	2.3	0.6	1.1	8.1
PROJECT WELL 503																	
5.18	5.79	PC	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	E						
		WP	0.5	0.8	0.4	0.8	0.4	0.8	1.6	0.6	0.9						
8.53	8.87	PC	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	E						
		WP	0.6	1.3	1.1	1.5	1.4	1.7	1.1	0.5	0.8						
8.87	9.14	PC	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	E						
		WP	1.5	13.6	5.1	3.0	2.5	4.2	3.8	2.5	7.1						
10.06	10.49	PC	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	9.7	E					
		WP	0.7	7.7	4.3	1.0	3.9	9.2	8.7	10.1	8.5	43.4					
10.49	10.67	PC	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	9.7	E					
		WP	0.0	20.5	10.6	8.5	5.1	5.9	4.2	3.0	2.1	8.6					
11.58	12.19	PC	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	9.7	E					
		WP	4.5	2.3	0.9	0.5	0.4	0.5	0.4	0.4	0.4	0.4					
26.82	27.43	PC	5.0	5.4	6.0	6.4	6.8	7.4	8.0	8.4	10.0	10.1	E				
		WP	10.5	0.0	1.4	3.3	1.9	1.0	1.0	2.2	4.0	1.0	8.2				
PROJECT WELL 505																	
14.78	15.39	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.3	E	
		WP	20.2	1.2	3.5	4.7	2.4	1.1	3.6	3.0	2.4	0.0	0.0	2.3	1.2	10.6	
15.39	16.00	PC	4.4	4.9	5.3	5.8	6.3	6.8	7.3	7.9	8.3	8.8	9.6	10.0	10.3	E	
		WP	14.9	3.8	4.9	1.2	1.2	2.5	2.4	2.0	1.2	2.4	1.2	1.2	1.3	10.9	
16.00	16.61	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E			
		WP	17.2	4.1	12.0	7.8	3.5	3.4	1.1	1.8	1.2	1.1	1.1	14.8			
16.61	17.22	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.4	7.6	8.4	9.0	9.5	10.0	10.3	E	
		WP	12.2	6.4	4.5	3.3	2.2	1.1	3.3	1.8	3.8	2.2	1.8	2.6	1.1	12.9	
17.22	17.83	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.5	10.0	10.3	E	
		WP	21.5	6.6	6.5	5.3	3.3	2.0	2.3	3.2	2.1	1.1	2.2	2.1	1.1	12.4	

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]														
PROJECT WELL 505--Continued																	
17.83	18.44	PC	4.6	5.0	5.5	5.9	6.4	6.8	7.3	7.8	8.3	8.8	9.6	10.1	10.3	E	
		WP	14.3	9.3	11.9	10.4	6.1	4.2	4.1	3.1	1.0	3.1	3.7	3.5	2.1	17.1	
PROJECT WELL 524																	
TILL	TILL	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.7	9.5	E			
		WP	-0.1	0.0	0.0	0.0	2.7	10.1	3.4	3.3	4.2	2.5	1.7	8.4			
PROJECT WELL 525																	
9.30	9.66	PC	5.0	5.4	6.0	6.4	7.0	7.4	8.0	8.4	9.0	10.0	10.1	E			
		WP	25.0	6.8	3.7	5.3	5.8	6.0	5.7	2.5	3.0	3.0	2.9	17.1			
30.94	31.09	PC	5.0	5.5	5.9	6.4	6.8	7.3	7.8	8.3	9.4	9.6	10.1	10.4	E		
		WP	8.4	0.3	2.4	2.8	1.8	2.4	0.8	0.8	4.1	0.0	2.3	0.6	8.3		
PROJECT WELL 602																	
12.65	12.68	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E			
		WP	10.1	11.5	4.9	8.0	6.5	4.8	5.6	0.8	3.2	0.8	11.1	13.1			
12.68	12.83	PC	4.3	4.8	5.3	5.8	6.2	6.7	7.2	E							
		WP	0.0	0.0	15.5	1.5	0.0	1.0	0.6	6.1							
13.11	13.50	PC	4.4	4.8	5.3	5.8	6.3	6.8	7.2	7.6	8.4	9.0	10.0	E			
		WP	5.5	2.3	1.2	0.3	1.8	0.3	0.3	0.3	0.3	0.3	0.6	2.5			
13.50	13.72	PC	4.7	5.2	5.6	6.2	6.6	7.0	7.4	8.0	8.4	9.0	10.0	10.1	10.5	10.6	E
		WP	4.3	0.0	4.3	5.7	2.9	6.6	5.7	6.0	5.4	3.8	8.5	4.8	3.8	1.9	29.0
13.87	14.20	PC	4.5	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.6	9.7	10.1	10.4	E
		WP	28.2	9.5	11.2	8.4	6.9	2.1	2.1	1.5	0.8	0.2	1.7	1.7	2.6	0.3	8.1
22.25	22.40	PC	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.5	9.7	10.1	10.4	E
		WP	4.0	4.5	1.5	2.2	3.1	1.3	2.2	1.1	1.7	0.7	3.5	0.6	2.1	1.2	6.8
PROJECT WELL 604																	
6.40	6.46	PC	4.5	4.9	5.3	5.8	6.2	6.7	7.2	7.7	8.2	E					
		WP	34.8	7.6	13.9	10.4	5.2	1.7	2.6	0.9	1.7	3.2					
6.46	6.52	PC	4.4	4.8	5.3	5.7	6.2	6.7	7.2	7.7	E						
		WP	26.3	16.6	18.2	6.1	9.0	5.3	3.0	0.0	3.5						
6.52	6.55	PC	4.3	4.8	5.2	5.7	6.2	6.6	E								
		WP	25.9	6.6	8.7	3.9	1.5	1.2	1.7								
7.01	7.16	PC	4.3	4.8	5.3	5.8	6.2	6.7	7.2	7.6	8.3	9.4	E				
		WP	22.2	13.2	14.9	15.0	7.3	7.3	0.0	3.6	1.6	0.1	4.9				
7.16	7.32	PC	4.4	4.8	5.3	5.7	6.2	6.7	7.2	7.7	8.2	9.4	E				
		WP	19.4	13.6	12.1	8.2	6.5	3.2	3.9	0.8	1.1	1.4	3.5				

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained and weight percent[1]													
PROJECT WELL 604--Continued															
7.92	8.38	PC	4.3	4.8	5.3	5.7	6.3	6.7	7.2	7.6	8.2	E			
		WP	11.4	13.0	12.1	8.2	6.5	3.2	3.9	0.8	1.1	4.9			
PROJECT WELL 606															
8.08	8.17	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.5	9.5	E		
		WP	4.3	2.1	1.7	1.6	1.7	1.7	2.5	0.9	0.8	1.7	7.8		
8.17	8.35	PC	4.6	5.0	5.5	6.0	6.4	6.9	7.4	7.9	8.6	9.6	9.7	10.2	10.4 E
		WP	4.8	3.9	1.7	4.3	3.4	2.6	3.4	3.4	3.4	5.1	0.0	1.7	1.7 20.8
8.35	8.49	PC	4.6	5.0	5.5	5.9	6.4	6.9	7.4	7.9	8.6	9.6	9.8	10.2	10.4 E
		WP	1.5	8.3	1.8	3.5	2.7	3.5	4.4	0.9	4.4	4.4	1.8	1.8	1.8 17.9
8.84	8.96	PC	4.6	5.0	5.5	6.0	6.4	6.9	7.4	7.9	8.6	9.5	9.8	10.1	10.4 E
		WP	2.8	7.3	1.8	4.4	2.6	4.4	4.3	2.6	3.5	6.1	2.6	1.7	0.9 15.1
24.84	25.02	PC	4.4	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.6	9.4	9.6	10.0	E
		WP	-25.4	0.0	2.9	2.8	3.2	1.9	1.3	2.6	1.9	2.1	0.6	1.3	7.2
25.02	25.45	PC	4.5	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.6	9.5	10.0	E	
		WP	7.0	0.0	1.6	4.1	1.9	2.5	1.9	1.9	2.5	2.1	0.0	10.3	
PROJECT WELL 607															
[2]5.64	[2]5.64	PC	4.3	4.8	5.3	5.8	6.2	6.7	7.2	E					
		WP	15.0	9.8	2.0	2.0	1.0	1.0	1.0	6.4					
9.14	9.30	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.2	7.7	E				
		WP	18.0	10.5	7.2	3.7	3.8	1.9	0.9	0.9	5.1				
12.77	12.92	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.3 E
		WP	10.9	6.1	3.9	4.7	3.2	3.9	2.4	1.5	1.6	2.4	1.8	1.6	1.6 11.0
14.17	14.57	PC	4.4	4.8	5.3	5.8	E								
		WP	1.6	0.3	0.4	0.9	4.6								
17.53	17.65	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	E			
		WP	11.0	4.7	5.2	3.0	1.7	1.2	1.1	0.6	0.6	5.5			
24.26	24.38	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.7	9.6	10.0	10.5	E
		WP	1.9	5.0	2.4	2.3	2.4	2.4	2.4	1.8	2.3	2.4	1.8	1.8	6.5
PROJECT WELL 702															
18.59	18.75	PC	4.4	4.8	5.3	5.8	6.6	6.9	7.2	7.7	8.2	8.3	9.5	9.7	E
		WP	14.7	3.6	2.4	5.5	2.4	0.6	2.4	1.1	1.2	1.3	3.6	0.8	5.3

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained and weight percent[1]														
PROJECT WELL 703																
3.14	3.19	PC	4.5	5.0	5.4	6.0	6.3	6.8	7.3	7.8	8.3	8.8	E			
		WP	14.0	0.7	10.2	5.5	1.6	0.8	0.8	1.3	0.3	0.3	2.8			
3.87	3.99	PC	4.6	5.0	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E		
		WP	33.9	8.4	10.8	10.0	4.5	3.6	1.8	1.8	0.4	0.5	0.5	2.2		
PROJECT WELL 704																
12.59	12.62	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	E					
		WP	17.2	4.6	1.4	1.8	1.1	1.3	0.5	0.4	2.4					
13.72	14.08	PC	4.6	5.0	5.4	6.0	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E		
		WP	25.4	6.4	9.8	4.9	3.5	2.8	1.4	0.0	1.4	0.7	1.0	8.1		
22.86	23.01	PC	4.5	5.0	5.5	5.9	6.4	6.9	7.4	7.8	8.3	8.8	9.6	E		
		WP	6.3	3.3	1.5	2.9	2.2	3.0	1.4	1.5	2.9	0.7	2.6	9.8		
23.01	23.26	PC	4.5	5.0	5.4	6.0	6.4	6.9	7.4	7.8	8.3	8.8	9.6	E		
		WP	2.8	1.5	4.1	2.4	1.6	3.3	2.4	1.2	2.9	1.7	1.2	10.2		
PROJECT WELL 705																
9.17	9.33	PC	4.5	5.0	5.5	6.0	6.4	7.0	7.4	7.9	8.4	8.9	9.6	10.1	10.5	11.0	E
		WP	1.2	1.1	0.6	2.3	1.8	2.3	1.8	1.2	1.7	1.8	2.4	3.5	2.1	2.9	8.5
23.10	23.20	PC	4.5	5.0	5.5	6.0	6.4	6.9	7.4	7.9	8.4	8.8	9.6	10.5	E		
		WP	2.0	0.8	2.3	3.6	2.4	3.6	0.5	1.8	2.4	1.7	2.1	2.3	8.1		
24.38	24.66	PC	4.5	5.0	5.5	6.0	6.4	6.9	7.3	7.8	8.3	8.8	9.6	10.5	E		
		WP	7.0	1.9	3.2	3.4	2.7	2.2	2.2	1.7	1.1	1.0	1.4	1.0	6.4		
PROJECT WELL 706																
2.29	2.35	PC	4.6	5.0	5.4	5.9	6.4	6.8	7.3	7.8	8.3	8.8	9.6	10.1	10.4	10.6	E
		WP	21.7	3.8	11.0	7.2	3.7	3.6	2.2	1.8	1.5	0.3	1.3	0.7	0.7	1.0	10.8
2.35	2.41	PC	4.4	4.9	5.4	5.8	6.3	6.9	7.3	7.8	8.3	8.8	9.6	10.1	10.4	10.6	E
		WP	14.0	0.0	0.3	2.1	0.7	0.3	0.0	0.8	0.3	0.0	0.3	0.3	0.3	0.8	5.5
2.41	2.50	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E			
		WP	24.3	11.6	7.0	7.1	4.7	2.3	1.2	0.7	0.5	0.0	1.7	10.0			
2.65	2.71	PC	4.9	5.2	5.6	6.0	6.4	6.9	7.4	7.8	8.3	8.8	9.6	10.1	10.4	10.6	E
		WP	22.4	6.0	17.1	15.0	5.0	7.1	2.9	2.4	1.6	0.3	1.4	2.9	2.3	1.1	6.8
3.99	4.02	PC	4.5	5.0	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.1	10.4	10.6	E
		WP	26.2	7.0	9.7	5.8	3.0	3.9	2.0	1.8	1.0	1.6	0.6	1.3	0.7	0.9	10.8

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]														
PROJECT WELL 707																	
4.57	4.63	PC	4.5	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.3	11.0	E
		WP	30.0	13.0	10.9	8.7	2.2	1.1	0.7	0.8	0.0	0.7	0.0	0.6	0.0	0.5	8.7
4.75	4.85	PC	4.6	5.1	5.5	6.0	6.4	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.4	11.0	E
		WP	12.6	11.0	18.1	18.1	9.1	6.0	3.0	2.0	0.6	0.5	1.4	0.4	0.0	2.0	8.2
5.33	5.70	PC	4.5	5.0	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.5	E	
		WP	23.1	17.4	17.3	10.0	5.0	2.4	2.5	0.5	0.8	1.2	0.0	0.8	0.0	10.4	
6.10	6.31	PC	4.9	5.3	5.7	6.2	6.9	7.4	7.8	8.3	8.8	9.6	E				
		WP	18.4	7.5	11.4	22.0	10.6	7.1	4.3	2.8	1.5	1.7	8.2				
6.31	6.52	PC	4.6	5.0	5.5	6.0	6.4	6.8	7.3	7.8	8.3	8.8	9.6	E			
		WP	17.3	11.6	16.4	17.6	11.8	5.8	4.7	2.4	2.3	0.0	0.6	8.8			
6.86	7.16	PC	4.5	5.0	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E			
		WP	71.1	0.0	2.1	1.3	1.3	0.4	0.4	0.3	0.2	0.2	0.2	1.9			
7.16	7.25	PC	4.5	5.0	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.4	11.0	E
		WP	15.4	7.1	10.2	5.5	4.7	2.4	1.5	1.6	0.0	0.8	0.8	0.5	0.0	1.5	6.6
14.48	14.63	PC	4.4	4.8	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.6	E			
		WP	10.3	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.2	0.6	0.2	3.9			
PROJECT WELL 708																	
6.10	6.28	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.6	10.0	10.4	11.0	E
		WP	15.1	5.8	4.4	1.9	2.8	1.0	0.9	0.4	0.6	0.0	0.0	0.6	0.0	0.7	7.2
PROJECT WELL 710																	
6.22	6.34	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	E							
		WP	33.9	6.3	9.1	6.0	3.5	1.0	1.2	2.4							
PROJECT WELL 801																	
4.27	4.45	PC	4.3	4.7	5.2	5.7	6.2	6.7	7.1	7.6	8.4	9.3	9.4	E			
		WP	17.7	14.3	7.4	9.2	5.5	5.5	0.0	1.9	3.3	0.0	3.6	2.1			
4.45	4.54	PC	4.3	4.8	5.3	5.7	6.2	6.7	7.2	7.7	8.1	8.7	9.2	9.4	9.5	9.8	E
		WP	19.0	14.6	16.0	13.9	11.0	6.4	2.7	1.9	1.8	0.3	0.0	3.5	0.0	2.1	4.7
5.40	5.43	PC	4.6	5.0	5.4	5.8	6.3	6.7	7.2	7.7	8.1	9.2	9.3	E			
		WP	35.9	2.2	10.8	6.6	5.2	3.9	2.6	2.6	1.4	1.8	1.3	3.8			
5.61	5.67	PC	4.4	4.8	5.3	5.8	6.2	E									
		WP	37.3	0.0	0.0	2.6	0.9	4.7									

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]													
PROJECT WELL 806																
4.29	4.33	PC	4.5	4.9	5.3	5.8	6.2	6.7	7.2	7.7	8.2	8.8	E			
		WP	59.0	-28.7	11.4	5.0	5.0	1.4	1.4	0.8	0.0	0.5	4.8			
4.87	4.92	PC	4.3	4.8	5.3	5.7	6.2	6.7	7.2	8.1	8.8	E				
		WP	23.4	1.8	5.5	7.8	2.6	1.7	0.8	1.8	-0.3	2.4				
5.03	5.08	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.2	8.1	8.8	E				
		WP	24.2	6.8	7.9	7.5	6.7	3.3	0.0	2.5	0.6	4.0				
PROJECT WELL 811																
2.13	2.18	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	8.8	E			
		WP	21.3	11.8	13.9	10.4	5.8	4.7	3.5	1.1	-90.0	90.8	6.7			
6.89	7.13	PC	4.4	4.8	5.3	5.8	6.2	6.9	8.0	8.7	E					
		WP	13.2	8.6	7.1	4.7	4.0	2.4	1.6	0.5	4.6					
7.32	7.53	PC	4.2	4.7	5.2	5.8	6.2	6.7	E							
		WP	1.6	0.7	0.6	0.4	0.5	0.3	1.9							
10.81	10.84	PC	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.5	9.1	9.8	10.2	E
		WP	1.4	7.4	5.9	3.9	6.6	6.6	5.3	2.6	5.3	3.9	3.5	2.6	2.6	12.8
11.73	11.92	PC	4.3	4.7	5.2	5.8	6.3	6.7	E							
		WP	4.3	0.0	0.7	0.3	0.5	0.2	4.2							
12.07	12.13	PC	4.3	4.8	5.3	5.7	6.2	6.7	7.2	7.7	8.4	8.9	E			
		WP	7.7	3.9	1.5	3.1	1.6	1.4	1.6	0.0	0.8	0.5	5.3			
12.80	13.05	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.3	E				
		WP	3.7	1.2	0.8	0.6	0.6	0.6	0.5	0.0	0.0	3.2				
23.47	23.77	PC	3.9	4.4	4.9	5.4	5.8	6.3	6.8	7.2	8.1	8.8	9.6	10.0	E	
		WP	2.9	4.3	2.7	1.2	2.4	3.0	1.8	2.4	2.4	1.2	2.4	1.2	9.5	
PROJECT WELL 812																
8.17	8.35	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.1	7.6	E					
		WP	17.1	15.0	14.5	20.6	10.3	10.3	5.1	1.7	1.8					
8.63	8.81	PC	4.3	4.7	5.2	5.7	6.2	6.6	7.1	7.6	E					
		WP	28.6	13.3	9.9	9.1	6.6	6.6	0.0	3.3	1.7					
8.87	8.93	PC	4.2	4.7	5.2	5.7	6.2	6.8	7.1	E						
		WP	21.6	6.8	4.0	1.3	4.0	1.3	0.0	1.4						
9.17	9.33	PC	4.3	4.7	5.2	5.7	6.5	6.6	7.1	E						
		WP	30.1	13.8	13.2	5.4	9.5	1.4	1.4	0.0						
9.36	9.39	PC	4.4	4.9	5.3	5.8	6.3	6.7	7.2	7.6	8.1	E				
		WP	8.2	7.4	2.4	6.3	17.4	17.5	12.1	12.1	6.6	5.7				

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]												
PROJECT WELL 812--Continued															
[2]25.91	25.91	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.1	9.2	9.9	10.1	E
		WP	29.3	2.4	1.8	2.4	4.7	2.3	0.0	2.3	1.0	4.0	2.3	1.7	1.6
26.52	26.82	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.1	7.6	8.0	9.2	9.9	10.1	E
		WP	9.3	4.5	0.7	2.7	2.6	2.7	5.4	1.3	1.2	3.3	2.7	0.6	0.5
PROJECT WELL 813															
4.50	4.53	PC	4.3	4.8	5.3	5.7	6.5	6.7	7.2	7.6	8.2	8.6	E		
		WP	0.0	4.6	6.2	10.3	16.6	3.9	8.1	3.2	4.8	4.7	6.6		
7.62	8.84	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.8	E				
		WP	0.6	0.0	3.0	6.1	1.2	2.6	2.1	1.8	2.8				
[2]22.56	22.56	PC	4.3	4.8	5.3	5.7	6.2	6.7	7.2	7.8	8.3	8.5	9.4	9.7	E
		WP	3.8	4.1	1.3	3.6	2.0	1.9	1.8	3.6	3.3	-0.3	0.9	1.6	6.8
PROJECT WELL 814															
3.84	3.87	PC	4.3	4.7	5.2	5.7	6.2	6.6	E						
		WP	22.7	11.1	9.3	5.0	5.0	1.0	3.2						
7.56	7.86	PC	4.2	4.7	5.2	5.7	6.2	6.6	E						
		WP	24.7	1.4	5.3	0.8	2.2	1.1	3.1						
PROJECT WELL 815															
2.80	2.83	PC	4.2	4.7	5.2	E									
		WP	11.9	5.7	2.7	5.1									
3.35	3.38	PC	4.2	4.7	5.2	5.7	6.2	E							
		WP	29.9	0.0	6.2	4.1	2.5	4.0							
3.66	3.69	PC	4.2	4.7	5.2	5.8	E								
		WP	60.3	2.2	5.6	6.1	6.0								
4.11	4.18	PC	4.3	4.8	5.2	5.7	6.2	6.6	7.1	E					
		WP	19.2	12.8	11.8	11.8	7.6	4.6	3.7	3.9					
4.33	4.36	PC	4.3	4.7	5.2	5.7	6.2	6.7	7.2	E					
		WP	31.2	0.0	8.0	8.4	6.7	1.7	2.5	4.1					
6.19	6.40	PC	4.2	4.7	5.2	E									
		WP	23.0	0.0	3.7	4.7									
6.46	6.52	PC	4.3	4.7	5.2	5.7	6.2	6.7	7.2	E					
		WP	21.3	16.0	14.8	10.7	5.9	3.6	4.7	4.5					
6.71	6.77	PC	4.3	4.7	5.2	5.7	6.2	6.7	E						
		WP	43.1	0.0	10.9	6.5	3.3	4.3	4.1						

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom	Phi class retained and weight percent[1]														
PROJECT WELL 815--Continued																
7.32	7.38	PC	4.3	4.7	5.2	5.7	6.2	E								
		WP	7.4	4.5	2.6	2.6	1.5	3.7								
9.81	9.88	PC	4.3	4.8	5.3	5.7	6.2	6.7	7.2	7.7	8.2	10.0	E			
		WP	9.0	0.0	0.8	2.5	3.3	2.1	3.2	2.0	0.7	2.6	2.5			
PROJECT WELL 816																
6.71	7.01	PC	4.2	4.7	5.2	5.8	E									
		WP	22.1	0.0	4.1	3.5	3.7									
PROJECT WELL 817																
7.62	7.77	PC	4.3	4.8	5.2	5.7	E									
		WP	38.7	0.0	8.0	4.6	6.8									
7.92	7.99	PC	4.3	4.7	5.2	E										
		WP	43.2	0.0	2.8	4.7										
24.69	24.99	PC	4.3	4.8	5.3	5.8	6.2	6.7	7.4	7.7	8.2	8.7	9.8	10.6	E	
		WP	5.9	4.7	1.3	2.2	3.5	1.8	1.8	0.9	1.5	1.0	2.0	3.0	7.3	
PROJECT WELL 818																
2.93	2.96	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.3	7.7	E					
		WP	20.4	-4.4	3.2	3.2	3.2	1.5	1.5	1.2	3.9					
PROJECT WELL 820																
2.53	2.56	PC	4.3	4.8	5.3	5.7	E									
		WP	18.4	0.0	1.5	1.9	5.3									
3.29	3.35	PC	4.5	4.9	5.4	5.8	6.2	6.7	7.2	7.7	9.1	E				
		WP	36.8	0.0	9.1	8.8	5.1	3.7	3.0	2.9	2.0	4.3				
3.69	3.72	PC	4.3	4.8	5.3	5.8	6.3	6.7	7.2	7.7	8.2	8.2	9.2	9.3	9.8	9.9	E
		WP	16.9	4.8	5.7	3.8	1.9	0.0	1.9	0.0	1.1	0.9	0.4	0.0	1.9	-0.4	6.3
4.88	4.91	PC	4.5	4.9	5.4	5.9	6.3	6.7	7.2	7.7	8.2	8.3	9.2	9.3	9.8	9.9	E
		WP	10.6	5.7	8.1	9.8	7.6	8.6	6.5	4.5	2.2	-0.6	3.2	0.0	1.6	1.1	6.1
11.61	11.95	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	E					
		WP	15.6	9.0	3.1	1.5	4.6	0.1	-0.1	1.5	4.9					
12.34	12.50	PC	4.3	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.1	E				
		WP	21.8	18.0	9.3	9.3	4.6	0.0	2.3	2.3	4.3	5.4				
12.83	13.05	PC	4.4	4.8	5.3	5.8	6.3	6.7	7.2	7.7	8.6	9.5	9.9	10.1	10.2	E	
		WP	13.5	9.0	9.5	12.7	6.3	3.1	6.5	3.1	6.1	2.8	3.0	-0.2	1.8	5.8	

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]														
PROJECT WELL 820--Continued																	
13.14	13.20	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.6	E					
		WP	13.2	6.9	3.7	0.0	3.6	3.7	0.0	0.0	3.4	4.2					
13.41	13.50	PC	4.3	4.7	5.2	5.7	6.3	6.7	7.2	7.6	8.5	E					
		WP	14.5	12.4	5.3	9.6	2.1	4.2	0.0	4.3	4.0	4.9					
28.04	28.19	PC	4.4	4.9	5.4	5.8	6.4	6.8	7.2	7.7	7.9	9.1	9.2	9.5	9.9	10.2	10.27
		WP	5.6	2.8	1.3	3.9	1.3	2.6	2.6	1.3	1.3	3.2	0.0	1.2	1.1	1.2	0.9
28.04	28.19	PC	10.38	E													
		WP	0.4	5.6													
PROJECT WELL 925																	
2.96	3.05	PC	4.5	4.9	5.4	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.5	10.0	10.4	E	
		WP	11.2	8.4	4.9	8.2	3.3	2.4	1.2	1.3	1.3	0.3	0.0	1.3	2.0	8.2	
3.05	3.17	PC	4.2	4.7	5.2	5.7	6.0	E									
		WP	22.8	4.7	2.7	3.4	1.3	2.1									
12.10	12.16	PC	4.4	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3	8.7	9.5	10.0	10.4	E	
		WP	16.2	3.6	3.8	2.3	2.3	0.5	1.0	0.8	0.8	0.3	0.4	0.8	0.8	7.9	
13.17	13.41	PC	4.8	5.3	5.7	6.2	6.6	7.1	7.5	8.0	8.5	9.0	9.7	10.1	10.4	E	
		WP	9.9	3.0	5.5	6.3	3.4	5.6	5.5	4.9	6.2	4.2	5.5	3.5	2.5	19.9	
13.41	13.56	PC	4.3	4.8	5.3	7.7	6.3	6.7	7.2	7.6	8.1	8.6	9.1	9.7	9.9	E	
		WP	12.6	8.4	5.0	2.9	10.1	4.0	5.8	9.7	1.5	3.2	3.9	1.2	2.5	7.3	
13.59	13.66	PC	4.6	5.0	5.5	5.9	6.4	6.9	7.4	7.8	8.3	8.8	9.6	10.1	10.4	E	
		WP	21.3	5.0	7.7	6.3	3.7	4.0	1.6	2.6	2.1	1.5	2.7	3.1	2.0	10.4	
24.38	24.41	PC	4.4	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.5	10.1	10.4	E	
		WP	1.2	9.7	3.4	2.7	0.7	1.4	2.0	0.0	2.4	1.1	0.0	0.0	2.4	9.6	
PROJECT WELL 950																	
3.14	3.15	PC	4.3	4.8	5.3	5.8	6.3	6.7	7.2	7.8	8.4	9.4	10.0	E			
		WP	5.6	1.5	0.0	0.5	2.2	2.1	6.5	5.1	6.9	2.7	0.4	13.4			
3.99	4.01	PC	4.4	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	E					
		WP	16.0	5.8	11.6	10.4	6.0	3.7	2.2	0.6	1.8	5.6					
5.12	5.27	PC	4.3	4.8	5.3	6.0	6.2	6.7	E								
		WP	34.7	5.7	7.9	8.8	3.5	3.5	4.8								
8.66	8.78	PC	4.3	4.8	5.3	5.8	6.3	7.0	7.2	7.9	8.2	9.3	9.7	9.9	10.0	10.2	10.34
		WP	9.2	1.1	0.5	3.7	1.0	3.1	1.1	1.0	2.1	1.5	1.0	0.3	-0.2	0.5	2.1
8.66	8.78	PC	E														
		WP	8.0														

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]														
PROJECT WELL 950--Continued																	
9.39	9.60	PC	4.3	4.8	5.3	5.8	6.3	6.7	7.2	8.0	8.3	9.4	9.9	10.0	E		
		WP	13.9	5.7	1.1	3.1	3.1	2.1	4.2	3.2	1.7	4.4	2.6	2.0	12.7		
9.75	9.81	PC	4.3	4.8	5.2	5.7	6.2	6.7	7.2	7.7	E						
		WP	3.2	4.8	3.2	3.1	5.3	4.1	0.0	4.3	5.6						
9.81	9.91	PC	4.3	4.7	5.3	5.8	6.3	6.7	7.2	7.7	8.3	8.6	9.4	9.9	10.0	E	
		WP	12.3	3.0	1.6	0.0	4.1	4.1	3.9	4.1	1.5	0.8	4.8	0.5	1.9	12.4	
10.36	10.45	PC	4.3	4.8	5.3	5.8	6.5	6.7	7.2	7.7	8.2	8.6	9.4	9.7	9.9	10.1	10.23
		WP	7.5	3.6	0.7	1.3	1.3	2.6	1.3	2.6	1.3	0.7	3.9	-0.1	-0.9	0.4	0.6
10.36	10.45	PC	10.36	10.44	10.5	E											
		WP	2.0	-1.9	2.8	9.1											
26.52	26.82	PC	4.3	4.8	5.3	5.8	6.3	6.8	7.2	7.7	8.2	8.6	9.4	9.7	11.0	11.07	11.11
		WP	11.2	2.5	1.6	3.2	3.2	4.6	1.5	1.6	3.2	2.4	2.3	-0.9	4.3	0.8	0.9
		PC	11.3	E													
		WP	1.0	12.6													
PROJECT WELL 951																	
3.26	3.29	PC	4.3	4.8	5.2	5.7	E										
		WP	18.0	10.7	5.3	3.9	6.3										
4.27	4.33	PC	4.3	4.7	5.2	5.7	E										
		WP	31.2	10.9	7.1	6.1	7.3										
4.97	5.00	PC	4.3	4.8	5.3	5.7	6.2	6.7	E								
		WP	17.9	0.0	3.6	3.9	3.6	2.5	6.8								
5.88	5.94	PC	4.3	4.7	5.2	5.7	E										
		WP	32.1	0.0	4.9	2.6	4.8										
9.48	9.51	PC	4.3	4.8	5.3	5.8	6.3	6.8	7.2	7.7	8.3	8.4	9.4	9.9	10.0	E	
		WP	8.0	1.7	0.0	-0.1	3.7	3.5	8.9	10.9	8.6	1.6	2.4	2.2	1.7	7.3	
PROJECT WELL 952																	
4.88	4.91	PC	4.2	4.7	5.2	5.7	6.2	E									
		WP	32.8	0.0	5.0	5.6	3.1	4.8									
10.64	10.76	PC	4.3	4.7	5.2	5.7	E										
		WP	43.9	0.0	2.0	1.0	5.8										
11.19	11.37	PC	4.3	4.8	5.2	5.7	6.3	6.7	7.2	7.7	8.2	10.0	E				
		WP	12.0	2.5	8.5	11.7	2.7	2.6	3.5	2.5	1.4	5.9	3.5				
11.61	11.70	PC	4.2	4.7	5.2	5.7	6.2	6.6	E								
		WP	39.5	0.1	6.9	4.8	4.3	4.2	4.4								

Table 7.--Particle-size distribution by hydrometer analysis of core samples collected during drilling of observation wells (shown as phi class retained at indicated depth in weight percent)--Continued

Depth to core top	Depth to core bottom		Phi class retained and weight percent[1]													
PROJECT WELL 952--Continued																
11.80	11.95	PC	4.2	4.7	5.2	5.7	6.2	6.6	7.1	E						
		WP	33.8	0.0	9.7	8.0	2.3	3.3	1.0	6.6						
PROJECT WELL 953																
3.17	3.19	PC	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	9.3	9.9	10.3	10.6	E
		WP	4.3	2.9	0.0	0.0	1.4	0.5	1.3	1.7	2.1	5.1	2.2	1.4	0.5	8.4
4.60	4.66	PC	4.2	4.7	5.2	5.7	6.2	E								
		WP	12.9	5.9	4.6	5.0	2.6	5.1								
PROJECT WELL 954																
12.56	12.62	PC	4.2	4.7	5.2	5.7	6.2	6.6	E							
		WP	12.7	3.3	1.5	1.5	1.2	0.6	0.9							
13.41	13.72	PC	4.2	4.7	5.2	5.7	6.2	6.6	7.1	7.6	8.1	E				
		WP	18.6	3.8	1.9	2.6	1.9	0.0	1.3	-0.2	0.3	2.1				
PROJECT WELL 956																
5.76	5.88	PC	4.3	4.8	5.2	5.7	6.2	6.6	7.3	7.6	E					
		WP	27.5	7.2	9.1	6.1	7.0	3.5	4.0	1.0	2.9					

[1] PC is listed directly above the WP values for each depth range because the PC categories change for most samples.

[2] Measurements of depth below land surface datum are tabulated to one centimeter. Core samples less than one centimeter thick are shown as having the same depth below land surface for top and bottom.

Table 8.--Geologic logs of observation wells and test holes

[m, meter; Minor, a thin layer or a small percentage]

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 310	
Soil profile to approximately 1.07 m.	0.00-1.07
Sand, medium, well sorted.	1.07-1.52
Sand, fine to medium, well sorted, brown.	2.44-3.05
Sand, fine to medium, poorly sorted. Minor silt. Minor sand, coarse.	3.96-4.14
Sand, fine, buff, well sorted, some silt.	4.33-4.57
Sand, medium to coarse (mainly medium), well sorted.	5.49-6.09
Sand, medium to coarse (mainly medium), well sorted.	7.01-7.62
Sand, quartz, feldspar, cobbles, abundant organics, medium to coarse, red-brown.	7.93-8.02
Sand, fine to medium, tan, well sorted.	8.26-8.35
Sand, medium to coarse, predominantly well sorted, buff, with clay ribbons, weathered gneiss, small gravel.	8.35-8.47
Sand, medium to coarse, well sorted, brown, oxidized. Sand, coarse from 8.78 m. Water at 8.83 m.	8.84-9.14
Sand, abundant quartz, medium to coarse, reddish-brown. Minor cobbles.	9.14-9.75
Sand, medium to very coarse, poorly sorted. Minor silt.	10.06-10.27
Sand, fine to very fine, well sorted, red.	10.36-10.67
Sand, fine, well sorted, tan.	10.67-11.28
Sand to gravel, coarse to fine, well sorted.	11.22-11.95
Sand, fine to medium, moderately well sorted, light brown.	11.95-12.13
Sand, muddy, fine to medium, moderately well sorted, light brown.	12.13-12.19
Gravel, fine, very well sorted.	13.41-13.53
Sand, medium to fine, poorly sorted, tan. Minor pebbles and silt.	13.59-13.66
Sand, medium to fine, poorly sorted, brownish-red, abundant pebbles. Minor silt present.	14.91-14.99
Sand, fine to medium, well sorted, buff. Minor pebbles.	14.99-15.18
Sand, fine to medium and medium to coarse, buff, well sorted.	16.61-16.70
Sand, medium to coarse, well sorted, brownish-red. Minor quartz and feldspar.	17.68-18.29
Sand, gravel, fine to medium, well sorted, buff.	17.92-18.23
Sand, gravel, pebbles, medium to coarse, buff.	19.72-19.78
Sand, poorly sorted. Gravel with 0.02 m cobbles. Minor silt.	21.12-21.18
Sand, gravel with 0.02 m cobbles, silt, gray clay, poorly sorted, 0.05 m limestone in core tip.	22.74-22.80
Sand and quartz, medium to fine, predominantly well sorted, light gray.	23.35-23.41
Sand and quartz, medium to fine, predominantly well sorted, light gray.	24.23-24.29
Sand and quartz, medium to fine, predominantly well sorted, light gray.	25.82-25.91
Sand and quartz, medium to fine, predominantly well sorted, light gray. Sand, olive, 0.03 m. Till, green 0.05 m.	27.37-27.43
Till	29.87-33.53
PROJECT WELL 416	
Sandy topsoil.	0.00-0.09
Sand, medium, light brown.	0.09-0.40
Sand, medium, light red-brown.	0.61-1.28
Sand, coarse to very coarse, reddish-brown.	1.28-1.65
Sand, coarse to very coarse.	1.83-1.95
Sand, medium.	1.95-1.98
Sand, coarse.	1.98-2.07
Sand, very fine, pink-red.	2.07-2.10
Sand, coarse.	2.10-2.16
Sand, medium to coarse, red-brown.	2.44-2.59
Sand, medium to coarse, red-brown.	2.59-2.71
Sand, medium to very coarse, white-brown.	2.71-3.14
Sand, medium, well sorted, gray-brown.	3.14-3.20

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 416--Continued	
Sand, very fine. Silt, brown.	3.20-3.23
Sand, medium, poorly sorted.	3.23-3.25
Sand, medium, well sorted.	3.25-3.44
Silt, some very coarse sand at bottom.	3.44-3.54
Sand, fine to medium to very coarse, white to brown.	3.66-3.75
Sand, coarse to very coarse.	3.75-4.08
Sand, medium to coarse.	4.27-4.33
Sand, very fine to fine.	4.33-4.51
Sand, medium to fine.	4.51-4.57
Sand, coarse to fine to medium.	4.57-4.66
Sand, medium to coarse, well sorted.	4.66-4.85
Sand, medium.	4.88-5.27
Sand, medium to coarse.	5.49-6.00
Sand, medium to coarse.	6.10-6.58
Sand, medium, white, black banding at 6.89 m to 6.92 m.	6.71-6.92
Sand, medium to coarse.	6.92-7.01
Sand, medium.	7.01-7.25
Sand, medium.	7.32-7.62
Sand, coarse.	7.62-7.86
Sand, medium. Minor sand, fine.	7.92-7.99
Sand, coarse to very coarse.	7.99-8.38
Sand, fine to medium.	8.38-8.41
Sand, fine to medium, capillary action on the fringe at 8.90 m.	8.53-8.99
Sand, coarse. Minor sand, medium.	9.14-9.30
Sand, medium. Minor sand, fine.	9.30-9.69
Sand, coarse to very coarse, clear.	9.75-9.85
Sand, medium to coarse.	9.85-9.97
Sand, gravel, well graded.	9.97-10.20
PROJECT WELL 417	
Sandy gravel, coarse. Soil profile to approximately 0.91 m.	0.00-1.52
Gravelly sand to sandy gravel.	3.05-3.51
Sand, medium to fine, minor gravel, thin silty sand layer.	4.42-4.88
Sand, well sorted, light tan.	5.94-6.40
Sand, medium, well sorted, light brown. Minor sand, coarse.	7.47-7.92
Sand, medium, well sorted, medium brown. Minor sand, coarse.	8.99-9.45
Sand, coarse and gravelly, poorly to moderately sorted.	10.67-11.28
Sand, coarse and gravelly, poorly sorted, sandy gravel and pebble gravel.	12.34-12.95
Sand, coarse, poorly to moderately sorted. Minor sand, gravelly.	14.02-14.63
Sand, coarse, poorly to moderately sorted. Minor sand, gravelly.	15.54-16.15
Sand and silt, coarse, poorly to moderately sorted. Thin layer of sand, medium to fine.	17.07-17.68
Gravelly sand to sandy gravel, poorly sorted, yellowish-orange.	18.59-19.20
Sand, coarse to medium, moderately to well sorted. Less than 5% greater than 0.004 m in diameter.	20.12-20.73
Sand, coarse, poorly to moderately sorted. Minor gravel.	21.64-22.25
Sand, coarse to gravelly, poorly sorted, olive-yellow. Massive, matrix-supported diamicton.	23.17-23.77
Diamicton, stratified, matrix-supported, olive-yellow. Interbedded with silty sand to low plasticity silt.	24.69-25.30
Diamicton, stratified, matrix-supported, olive-yellow. Interbedded with silty sand to low plasticity silt.	26.21-26.82
Diamicton, stratified, olive-yellow to gray.	27.74-28.35
Sand, well sorted, dark green.	29.26-29.87
Diamicton, sandy, matrix-supported, massive, dark gray.	30.79-31.39

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 503	
Sand, fine to medium, red. Minor sand, very fine.	0.00-1.52
Sand, medium to coarse, red. Minor sand, very fine to very coarse.	1.52-3.05
Sand, medium to coarse, red. Minor sand, very fine to very coarse.	3.05-4.27
Sand, coarse, red. Minor sand, medium. Minor sand, fine. Minor sand, very coarse.	5.18-5.79
Sand, very coarse, red, fine gravel.	5.79-7.01
Sand, very coarse, red. Sand, medium. Sand, fine. Gravel medium.	7.01-7.62
Sand, coarse to very coarse, red. Gravel, fine to medium. Sand, fine, thin layer.	8.53-9.14
Silt, green-gray.	9.14-10.06
Sand, coarse, red, banded with gray. Sand, fine. Silt, green-gray.	10.06-10.67
Sand, medium, red. Minor sand, coarse.	11.58-12.19
Sand, coarse, red. Sand, medium. Minor sand, very coarse.	13.11-13.72
Sand, coarse to very coarse, red. Minor sand, medium.	14.63-14.97
Sand, coarse to very coarse, gray. Minor sand, medium.	14.97-15.24
Sand, coarse to very coarse, gray. Minor sand, medium. Minor gravel, fine.	16.15-16.76
Sand, coarse to very coarse, gray. Minor sand, medium. Minor gravel, fine.	17.68-18.29
Sand, coarse to very coarse, gray. Minor sand, medium. Minor gravel, fine.	19.20-19.81
Sand, coarse to very coarse, gray. Minor sand, medium. Minor gravel, fine.	20.73-21.34
Sand, fine to medium.	22.25-22.86
Sand, coarse to very coarse. Minor gravel, fine.	23.77-24.20
Sand, fine, Minor sand, medium.	24.20-24.38
Sand, coarse, gray.	25.30-25.68
Sand, medium to coarse, red.	25.68-25.91
Till.	26.82-27.43
PROJECT WELL 505	
Sand, medium. Minor sand, coarse. Minor sand, fine.	11.73-12.34
Sand, medium to coarse. Minor sand, very coarse. Minor gravel, fine.	13.26-13.87
Sand, very fine, gray, silt lenses.	14.78-15.39
Sand, very fine, gray, silt lenses.	15.39-16.00
Sand, very fine, gray, silt lenses.	16.00-16.61
Sand, very fine, gray, silt lenses.	16.61-17.22
Sand, very fine, gray, silt lenses.	17.22-17.83
Sand, very fine, gray, silt lenses.	17.83-18.44
Sand, very fine, gray, silt lenses.	19.36-19.57
Sand, medium to coarse. Minor sand, very coarse. Minor gravel, fine to medium.	19.57-19.81
PROJECT WELL 524	
Gravel, sandy. Sand, gravelly coarse.	4.57-5.18
Sand, medium to coarse. Minor gravel, fine.	6.10-6.71
Sand, medium to coarse.	7.62-7.83
Sand, coarse. Minor gravel, fine.	7.83-8.23
Sand, medium and coarse. Sand, fine, well sorted.	9.14-9.69
Sand, fine. Minor sand, medium.	10.97-11.58
Sand, gravelly.	12.50-13.11
Sand, medium to fine.	13.87-14.23
Sand, fine to silty, thinly bedded.	14.23-14.48
Sand, medium to coarse.	15.39-15.58
Sand, fine.	15.58-15.67
Sand, medium to fine.	15.67-15.73
Sand, fine to silty. Sand, medium to fine, thin bed.	15.73-16.00

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 524--Continued	
Sand, medium.	16.92-17.22
Sand, fine to silty.	17.22-17.28
Sand, medium to fine, silty.	17.28-17.34
Sand, medium.	17.34-17.53
Sand and silt, fine, gray.	18.44-18.75
Sand, clay, and silt, fine to silty, rhythmically bedded, gray.	18.75-19.05
Sand, very coarse.	19.96-20.42
Sand, coarse to medium.	20.42-20.57
Sand, medium to coarse.	21.49-22.04
Sand and gravel, coarse.	22.04-22.10
Gravel, very coarse, rusty.	23.01-23.38
Diamicton, stratified.	22.38-22.62
Till.	24.54-25.15
Till, very homogeneous.	26.06-26.67
PROJECT WELL 525	
Sand, medium. Minor gravel.	1.52-1.89
Gravel, coarse.	1.89-2.13
Cobble gravel, coarse.	3.05-3.66
Gravel, sandy.	4.57-4.88
Sand, coarse, gray.	4.88-5.18
Gravel, sandy, gray.	6.10-6.71
Sand, medium to fine, well sorted, gray.	7.62-8.23
Silt, sandy, gray.	9.14-9.30
Sandy silt to silty clay.	9.30-9.66
Clay to silty clay.	9.66-9.75
Clay, stiff with some silty clay interbeds and debris layers.	10.67-11.06
Sand, gravelly, gray.	11.06-11.28
Gravel, sandy.	12.92-12.56
Sand, coarse and gravelly.	12.56-12.80
Gravel, coarse, gray.	13.72-14.08
Sand, gravelly, gray.	14.08-14.33
Gravel, pebble and cobble type.	15.24-15.85
Sand, coarse, greenish-gray. Minor gravel.	16.76-17.37
Sand, gravelly, green.	18.29-18.62
Sand, medium, greenish-gray.	18.62-18.90
Sand, coarse, green.	19.81-20.42
Sand, medium to fine, green.	21.34-21.64
Sand, medium to coarse.	21.64-21.95
Sand to gravel, very coarse to fine, green.	22.86-23.17
Sand, medium to coarse, well sorted.	23.17-23.47
Sand to sandy gravel, coarse, greenish-gray.	24.38-24.72
Sand, medium to coarse, poorly sorted, olive-yellow.	24.72-24.99
Sand, coarse, gray.	25.91-26.17
Sand, medium to coarse, poorly sorted, olive-yellow.	26.17-26.52
Sand, fine. Silt, and silty clay, rhythmically bedded, gray.	27.43-27.71
Sand, fine. Silt, and silty clay, rhythmically bedded, gray.	27.71-28.04
Till.	29.32-29.57

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 532	
Sand, fine, organics.	0.00-0.10
Sand, fine, light brown.	0.10-0.20
Sand, medium, light brown.	0.20-0.64
Sand, medium, light brown.	0.64-0.70
Sand, medium, well sorted, brown.	1.52-3.04
Sand, medium to coarse. Gravel, fine.	3.04-3.48
Sand, medium to coarse. Gravel, fine.	3.47-3.92
Silt. Sand, fine.	3.92-4.12
Sand, medium, brown.	4.12-4.33
Sand, medium, well sorted, light brown.	4.57-5.72
Sand, medium, well sorted, light brown.	6.10-6.83
Sand, fine to medium, well sorted.	6.83-7.38
Sand, fine to medium, well sorted.	7.62-7.70
Sand, fine to medium, light brown.	7.70-7.91
Sand, medium to coarse, light brown.	7.91-8.06
Sand, coarse, saturated.	8.06-8.79
Sand, medium, brown, saturated.	9.14-9.73
Sand, coarse, brown.	9.73-10.31
Sand, coarse.	10.36-11.08
Sand, medium.	11.09-11.58
PROJECT WELL 533	
Topsoil, black.	0.00-0.90
Sand, medium, light brown.	0.90-0.18
Sand, medium to coarse, red-brown.	0.61-1.04
Sand, coarse to very coarse.	1.22-1.28
Sand, medium to very coarse.	1.28-1.49
Sand, medium, light brown. Minor sand, coarse.	1.49-1.71
Sand, medium, light brown. Minor sand, coarse.	1.83-1.95
Sand, medium to coarse.	1.95-2.10
Sand, coarse. Gravel, fine.	2.10-2.16
Sand, medium to coarse.	2.16-2.26
Sand, medium, light brown. Minor sand, coarse.	2.44-2.53
Sand, medium, light brown. Minor sand, coarse.	3.05-3.14
Sand, medium.	3.66-3.75
Sand, coarse to very coarse.	3.75-3.90
Sand, medium to coarse.	3.90-3.99
Silt. Sand, very fine.	3.99-4.02
Sand, fine.	4.02-4.08
Sand, medium.	4.08-4.11
Sand, fine to medium, light brown, banding.	4.27-4.63
Sand, fine.	4.88-4.97
Sand, fine to medium.	4.97-5.21
Sand, medium. Minor sand, fine.	5.21-5.30
Sand, fine to medium.	5.49-5.58
Sand, very fine to fine.	5.58-5.61
Sand, fine.	5.61-5.64
Sand, fine to medium.	5.64-5.73
Sand, coarse. Minor sand, medium.	5.73-5.82
Sand, medium. Minor sand, coarse.	5.82-5.94

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 533--Continued	
Sand, medium. Minor sand, fine.	6.10-6.16
Sand, fine to medium.	6.16-6.34
Sand, medium.	6.34-6.49
Sand, medium to coarse.	6.71-6.80
Sand, medium to coarse.	6.80-6.92
Sand, fine to medium.	6.92-7.19
Sand, fine. Minor sand, medium.	7.32-7.65
Sand, coarse. Minor sand, medium and very coarse.	7.65-7.77
Sand, coarse. Minor sand, medium and very coarse.	7.92-8.14
Sand, fine to medium. Minor sand, coarse.	8.14-8.26
Sand, coarse. Minor sand, medium.	8.26-8.35
Sand, fine to medium.	8.35-8.38
PROJECT WELL 534	
Sand, medium to coarse, brown.	0.00-0.61
Sand, medium to coarse, brown.	0.61-0.76
Sand, coarse to very coarse, red-brown. Minor gravel, coarse.	0.76-1.22
Sand, coarse to very coarse, red-brown. Minor gravel, coarse.	1.22-1.37
Sand, gravelly, coarse to very coarse.	1.52-1.62
Sand, coarse to very coarse, light brown, wet.	1.62-1.95
Sand, fine to very fine, gray-brown, wet.	2.29-2.47
Sand, coarse to very coarse.	2.47-2.53
Sand, medium to coarse, light brown.	2.53-2.59
Sand and fine gravel, coarse to very coarse, light brown. Minor gravel, fine. Fine sand 3.38 m to 3.41 m.	3.05-3.44
Sand, fine to medium, light brown.	3.81-3.93
Sand, medium, light brown.	3.93-4.24
Sand, medium (mostly quartz).	4.57-4.79
Sand, medium (slightly darker).	4.79-4.94
Sand, fine to medium, light brown.	5.33-5.46
Sand, coarse. Minor gravel, very fine.	5.46-5.58
Sand, coarse.	5.58-5.76
Sand, fine to medium. Charcoal.	6.10-6.16
Sand, fine.	6.16-6.52
Sand, very fine to fine, light brown.	6.86-7.07
Sand, very fine to medium, very light brown.	7.07-7.35
Sand, fine to medium, light brown.	7.62-7.65
Sand, very fine to fine, brown.	7.65-7.80
Sand, very fine to fine, very light brown.	7.80-7.83
Sand and silt, very fine, brown.	7.83-8.05
Sand, medium, oily.	8.38-8.84
Sand, fine.	8.84-8.99
Sand, medium to very coarse.	8.99-10.36
PROJECT WELL 602	
Sand, fine to medium.	2.80-2.87
Sand, fine to medium.	4.27-4.42
Sand, fine.	4.42-4.48
Sand, fine to medium.	4.48-4.57
Sand, fine to medium.	4.88-5.24
Sand, fine to medium. Minor sand, coarse.	5.49-5.88

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 602--Continued	
Sand, fine to medium. Minor sand, coarse.	6.25-6.43
Sand, fine.	6.43-6.49
Sand, fine to medium. Minor sand, coarse.	6.49-6.71
Sand, medium to coarse.	7.01-7.35
Sand, medium to coarse.	7.77-7.96
Sand, fine.	7.96-8.23
Sand, fine to medium.	8.53-8.69
Sand, fine.	8.69-9.14
Sand, fine.	10.08-10.67
Sand, fine to very fine.	10.82-11.19
Sand, fine to very fine.	11.58-12.19
Sand, very fine to fine.	12.34-12.65
Sand, very fine, silt.	12.65-12.68
Sand, fine.	12.68-12.83
Sand, fine.	13.11-13.50
Clay.	13.50-13.72
Sand, very fine, silt.	13.87-14.20
Sand, silt, and clay, very fine, layered.	14.20-14.48
Sand, very fine, silt, clay interbeds.	14.63-15.24
Sand and clay, interbedded.	15.39-16.00
Sand and clay, interbedded, clay dominant.	16.15-16.34
Sand, medium to coarse.	16.34-16.61
Sand, coarse to very coarse.	16.92-17.37
Sand, coarse to very coarse.	17.68-17.98
Sand, fine to very coarse, red (oxidized).	18.44-18.90
Sand, very coarse to coarse.	19.20-19.60
PROJECT WELL 604	
Sand, medium.	0.00-0.76
Sand, medium to coarse, oxidized.	0.76-0.82
Sand, medium to coarse, light brown. Minor sand, very coarse.	0.82-0.94
Sand, very coarse to gravel, fine.	0.94-1.13
Sand, very coarse to gravel, fine.	1.52-1.65
Sand, medium to coarse. Gravel, fine.	1.65-1.86
Sand, coarse to very coarse. Gravel, medium.	2.29-2.56
Sand, medium to coarse, light brown.	2.56-2.62
Sand, medium to coarse, well sorted, light brown, benzene odor.	3.05-3.35
Sand, fine to coarse. Minor sand, very coarse. Fine to medium lens at 4.18 m to 4.21 m.	3.81-4.24
Sand, coarse, red-brown (oxidized).	4.24-4.30
Sand, coarse, red-gray. Minor sand, very coarse.	4.57-4.97
Sand, medium to coarse, light brown.	5.33-5.46
Sand, coarse to very coarse, very light brown. Minor gravel, very fine.	5.46-5.73
Sand, coarse, slightly red-brown.	5.73-5.79
Sand, fine, oil saturated.	6.37-6.40
Sand, fine, gray.	6.40-6.46
Sand, very fine, brown. Minor silt.	6.46-6.52
Sand, fine, gray.	6.52-6.55
Sand, fine, gray, interbedded with oil.	6.55-6.71
Sand, very fine, silty.	6.71-7.32
Sand, very fine, silty.	7.32-7.92

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 604--Continued	
Sand, very fine, silty.	7.92-8.38
Sand, coarse to very coarse.	8.38-8.53
PROJECT WELL 606	
Sand, medium. Minor sand, fine.	5.79-6.40
Sand, medium. Minor sand, fine. Sand, coarse, thin layered.	7.32-8.08
Sand, medium.	8.08-8.15
Silt.	8.15-8.46
Silt.	8.84-8.96
Sand, medium to coarse.	8.96-9.10
Sand, medium.	9.60-9.75
Sand, medium to coarse.	9.75-9.91
Sand, medium to coarse.	10.36-10.61
Sand, medium to coarse. Sand, fine, thin layer.	11.13-11.37
Sand, medium to coarse.	11.89-12.25
Sand, medium to coarse. Sand, medium to fine and coarse, thin lenses.	12.65-1 3.02
Sand, medium. Minor sand, coarse.	13.41-13.84
Sand, medium to coarse. Sand, fine, thin layer.	14.17-14.48
Sand, medium to coarse.	14.94-15.30
Sand, medium. Minor sand, coarse.	15.70-16.06
Sand, medium. Minor sand, coarse.	16.46-16.86
Sand, medium to coarse, well sorted.	17.22-17.56
Sand, medium to coarse.	17.98-18.29
Sand, coarse to very coarse.	18.29-18.36
Sand, coarse to very coarse.	18.75-18.87
Sand, coarse to very coarse.	18.81-19.05
Sand, medium to coarse.	19.51-19.93
Sand, medium to coarse.	20.27-20.45
Sand, medium.	20.45-21.49
Sand, medium.	21.79-22.31
Sand, medium.	22.56-22.74
Sand, fine.	22.74-22.77
Sand, medium.	22.77-23.10
Sand, fine to very fine.	23.32-23.56
Sand, fine to medium.	23.56-23.81
Sand, medium to coarse.	24.08-24.17
Sand, medium.	24.17-24.48
Till.	24.84-25.02
PROJECT WELL 607	
Sand, very fine.	5.64-5.70
Sand, medium, uniform.	5.70-6.10
Sand, medium.	6.25-6.52
Sand, fine.	6.52-6.80
Sand, medium, uniform.	6.86-6.98
Sand, fine, thin layer of silt interlaminated.	6.98-7.38
Sand, medium. Minor sand, coarse. Sand, very fine to silty, thin laminae.	7.47-7.92
Sand and silt, fine.	7.92-7.99
Sand, medium to coarse.	7.99-8.41
Sand, fine to medium.	8.53-9.05

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 607--Continued	
Sand, coarse, pebbly.	10.36-10.45
Sand, medium to fine. Minor sand, coarse.	10.45-10.67
Sand, medium to fine.	11.13-11.37
Sand, medium to coarse.	11.37-11.55
Sand, fine to silty.	11.89-11.98
Sand, medium to coarse. Thin oxidized layer.	11.98-12.19
Sand to silt, fine. Thin clay laminae at top.	12.19-12.34
Sand, medium to fine.	12.65-12.77
Sand to silt, very fine.	12.77-12.92
Sand, medium to coarse.	12.92-13.14
Clay, silty.	13.41-13.44
Sand, medium to coarse.	13.44-13.69
Sand and gravel, very coarse.	13.69-13.87
Oxidized diamicton interbedded with gravel, coarse, poorly sorted. Many clasts are decomposed.	14.17-14.57
Sand, coarse to very coarse. Minor sand, medium.	14.94-15.30
Sand, medium to coarse.	15.70-16.00
Sand, medium to coarse.	16.46-16.79
Sand, medium to coarse. Minor sand, very coarse.	17.22-17.53
Sand, fine.	17.53-17.65
Sand, medium, uniform.	17.98-18.17
Sand, very coarse to gravel, fine, poorly sorted. Oxidized.	18.17-18.41
Sand, coarse to very coarse. Minor gravel. Oxidized.	18.75-18.99
Sand, medium to coarse.	18.99-19.17
Sand, very coarse to gravel, fine. Oxidized.	19.51-19.81
Sand, very coarse. Gravel, fine to medium.	20.27-20.36
Sand, coarse. Minor sand, very coarse.	20.36-20.64
Sand, medium to coarse.	21.03-21.40
Sand, fine to medium.	21.79-22.25
Sand, medium to coarse.	22.56-22.86
Sand, medium. Minor sand, fine.	22.86-23.04
Sand, fine to medium.	22.32-23.56
Sand, medium.	23.56-23.77
Sand, fine, oxidized.	23.77-23.84
Sand, fine to medium.	24.08-24.26
Till.	[1]24.26-24.26
PROJECT WELL 701	
Sand, medium.	1.52-2.13
Sand, medium.	2.32-2.65
Sand, coarse.	2.65-2.71
Sand, coarse.	3.05-3.29
Sand, medium to fine.	3.51-3.66
PROJECT WELL 702	
Sand, medium, uniform.	1.22-1.40
Sand, coarse, gravelly.	1.40-1.58
Sand, medium.	1.98-2.21
Sand, coarse.	2.21-2.24
Sand, fine.	2.24-2.44
Sand, coarse, gravelly.	2.74-2.96

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 702--Continued	
Sand, very fine to silty.	3.05-3.17
Sand, gravelly.	3.72-4.02
Sand, fine.	4.57-4.66
Sand, medium to coarse.	4.66-4.72
Sand, fine to very fine to silty.	4.72-4.79
Sand, medium to fine.	4.79-4.97
Sand, medium.	5.33-5.64
Sand, silty.	5.64-5.67
Sand, coarse to medium.	6.10-6.34
Sand, medium to silty.	6.86-7.13
Sand, medium.	7.13-7.47
Sand, medium to coarse.	7.62-7.92
Gravel, granule type.	8.38-8.66
Sand, medium to coarse. Minor gravel.	9.15-9.45
Sand, medium to coarse.	9.91-10.06
Gravel.	10.06-10.52
Sand, coarse to medium.	10.67-10.97
Sand, coarse, poorly sorted.	11.58-11.67
Gravel.	11.67-11.89
Sand, medium.	11.89-11.92
Sand, coarse, gravelly.	12.80-13.05
Sand, medium. Minor gravel.	13.05-13.20
Sand, medium to coarse.	13.72-14.02
Sand and gravel, very coarse, oxidized.	14.02-14.03
Sand and gravel, very coarse, poorly sorted, oxidized.	15.24-15.61
Sand and gravel, very coarse.	16.76-16.89
Till.	16.58-17.25
PROJECT WELL 703	
Sand, medium.	1.37-1.49
Sand, coarse.	1.49-1.55
Sand, medium.	1.55-1.86
Sand, medium to coarse, some cross-bedding.	2.13-2.32
Sand, cobbly. Silt. Poorly sorted.	2.32-2.44
Sand, medium to coarse.	2.44-2.59
Sand, medium to coarse. Minor gravel. Minor sand, fine.	2.90-3.14
Sand, fine, silty, thin clay laminae at top.	3.14-3.19
Sand, medium.	3.19-3.35
Sand, medium.	3.66-3.87
Sand, fine, silty.	3.87-3.99
Sand, fine to medium.	3.99-4.08
Sand, medium to fine.	4.42-4.54
Sand, medium, uniform.	4.54-4.88
Sand, medium, uniform.	5.18-5.64
Sand, medium, uniform.	5.94-6.40
Sand, medium to coarse.	6.71-7.01
Sand, pebbly.	7.01-7.07
Sand, fine.	7.07-7.13
Sand, medium to fine.	7.47-7.71

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 704	
Sand, medium to fine.	1.52-1.65
Sand, coarse, gravelly.	1.65-2.07
Gravel, cobbly.	3.05-3.20
Sand, slightly gravelly.	4.57-4.91
Gravel, sandy.	4.91-5.03
Sand, medium, red, oxidized.	6.10-6.16
Sand, medium to fine, faint bedding.	7.62-7.92
Sand, medium, uniform.	9.14-9.36
Sand, medium.	10.67-10.97
Sand, medium to fine.	12.19-12.31
Sand, coarse, gravelly.	12.31-12.59
Sand, fine.	12.59-12.62
Sand, silt, and silty clay, fine, thinly bedded.	13.72-14.08
Sand, coarse, gravelly.	15.24-15.61
Silt, thin layer.	15.42-15.45
Sand, gravelly, buff. Minor gravel, sandy.	16.76-17.13
Sand, gravelly, coarse. Gravel, sandy. Oxidized, slightly cohesive.	18.29-18.41
Sand, gravelly, oxidized, slightly cohesive.	18.41-18.71
Sand, very coarse.	19.81-19.96
Sand, gravelly, poorly sorted.	19.96-20.24
Gravelly sand to sandy gravel, poorly sorted, oxidized.	21.34-21.67
PROJECT WELL 705	
Sand, gravelly.	1.52-1.77
Sand, medium, thin layers of gravel.	3.05-3.57
Sand, fine to very fine, thinly bedded. Silt, sandy, thin layer.	4.57-5.06
Sand, medium.	6.10-6.43
Gravel, sandy, very coarse.	7.62-7.80
Sand, medium. Sand, gravelly, coarse.	7.80-7.96
Gravel, sandy, very coarse.	9.14-9.17
Diamicton, silty to clayey matrix, yellowish-brown.	9.17-9.33
Gravel, sandy, very coarse.	9.33-9.36
Gravel and gravelly diamicton, poorly sorted, yellow-brown to olive-yellow.	10.67-11.00
Gravel, sandy, coarse, poorly sorted, olive-yellow.	12.19-12.59
Gravel, sandy, olive-yellow.	13.72-14.08
Gravel, sandy, olive-yellow.	15.24-15.61
Gravel, coarse, olive-yellow.	16.76-16.83
Sand, medium to coarse.	16.83-16.95
Gravel, coarse, sandy, olive-yellow.	16.95-17.19
Sand, coarse, gravelly, olive-yellow.	18.29-18.56
Sand, medium, olive-yellow.	18.56-18.75
Gravel, sandy, very coarse, olive-yellow.	19.81-20.15
Gravel, olive-green.	21.34-21.37
Sand, medium, olive-green.	21.37-21.49
Sand, gravelly, olive-green.	21.49-21.73
Gravel, very coarse, olive-green.	22.86-23.10
Diamicton, sandy, light brownish-gray, slightly oxidized.	23.10-23.20

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 706	
Sand, gravelly, coarse.	1.52-1.80
Silt and clayey silt with rootlets.	2.29-2.35
Sand, very fine to silty.	2.35-2.41
Silt and clayey silt with rootlets.	2.41-2.50
Sand, fine, clean.	2.50-2.65
Silt and clayey silt.	2.65-2.71
Sand, gravelly. Gravel, sandy.	3.05-3.32
Sand and gravelly sand.	3.81-3.99
Sand, fine, silty.	3.99-4.02
Sand and gravelly sand.	4.02-4.24
Sand, medium, uniform. Sand, coarse, thin layer.	4.57-5.09
Sand, medium, uniform, thinly bedded.	5.33-5.79
Sand, medium, uniform.	6.86-7.22
Sand, fine, thinly bedded, ripple laminations.	7.22-7.38
Sand, fine to medium, thinly bedded to ripple cross-laminated.	8.38-8.84
PROJECT WELL 707	
Gravel, sandy.	1.52-1.71
Gravel, sandy, lighter color.	1.71-1.86
Sand, medium to fine, thinly bedded in places.	2.29-2.59
Sand, fine to medium, faintly bedded.	3.05-3.37
Sand, medium, uniform.	3.81-4.05
Sand, medium to coarse, uniform.	4.05-4.21
Silt, brown.	4.57-4.63
Sand, fine, greenish-gray.	4.63-4.75
Silt, brown.	4.75-4.85
Sand, fine, buff.	4.85-4.97
Silt, very fine, clayey, brown. Sand, thin interbeds.	5.33-5.70
Silt, brown, thinly bedded.	6.10-6.52
Sand, medium, poorly sorted, brown.	6.86-7.16
Silt, sandy, brown.	7.16-7.25
Sand, fine.	7.25-7.28
Sand, very coarse, well sorted.	7.62-7.80
PROJECT WELL 708	
Sand, gravelly, interbedded with sand, medium to coarse.	1.52-1.89
Gravel, sandy.	2.29-2.53
Sand, fine.	3.05-3.14
Sand, medium to coarse.	3.14-3.38
Sand, slightly gravelly.	3.81-4.21
Sand, slightly gravelly.	4.57-4.97
Sand, fine to very fine.	5.33-5.36
Sand, medium.	5.36-5.49
Sand, fine.	5.49-5.64
Silt and silty sand, thinly bedded, brown.	6.10-6.28
Gravel, sandy, coarse, poorly sorted.	6.28-6.46
Gravel, sandy, coarse, poorly sorted.	6.86-7.07

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 709	
Gravel, sandy. Sand, medium, thin layer.	2.29-2.65
Gravel, sandy. Sand, medium, thin layer.	3.20-3.57
Gravel, sandy. Sand, fine, very thin layer.	3.81-4.11
Gravel, sandy.	4.57-4.88
Sand, fine. Thin silt laminae.	5.33-5.70
Sand, medium. Minor sand, coarse, granuled.	6.10-6.43
Sand, coarse, uniform.	6.86-7.22
Gravelly sand to sandy gravel, brown.	7.62-7.89
PROJECT WELL 710	
Sand, medium to coarse, light brown.	0.00-0.61
Sand, coarse to very coarse, darker. Stones.	0.91-1.52
Sand, medium, light brown.	1.52-1.58
Sand, medium to very coarse.	1.58-1.62
Sand, medium, light brown.	1.62-1.92
Sand, medium. Minor pebbles.	1.92-2.74
Sand, coarse to very coarse.	2.74-3.20
Sand, very coarse. Minor gravel, medium.	3.20-3.29
Sand, very fine to fine, very light brown.	3.29-3.47
Sand, medium, light brown.	4.57-4.94
Sand, very fine to fine, very light brown.	6.10-6.22
Sand, very fine, gray-brown.	6.22-6.34
Sand, fine to medium, light brown.	6.34-6.52
Sand, fine to medium.	7.62-7.77
Sand, fine to medium, gray-brown.	8.23-10.06
PROJECT WELL 801	
Sand, medium. Minor sand, coarse.	0.00-0.43
Sand, medium.	0.61-1.04
Sand, medium to coarse. Minor gravel.	1.22-1.71
Sand, medium.	1.83-1.95
Sand, fine to very fine, poorly sorted.	1.95-2.19
Sand, gravelly.	2.19-2.23
Gravel, sandy.	2.44-2.65
Sand, medium. Minor sand, gravelly.	2.65-2.90
Sand, medium to coarse.	3.05-3.17
Sandy gravel and gravelly sand, homogenized, interbedded.	3.17-3.38
Gravel, sandy.	3.66-3.78
Sand, fine and very fine, thinly bedded to laminated.	3.78-4.02
Silt to clayey silt.	4.27-4.45
Silt, clayey. Clay, silty.	4.45-4.54
Sand, medium.	4.54-4.69
Sand, coarse, gravelly.	4.88-5.30
Sand, coarse to very coarse, moderately sorted.	5.30-5.40
Silt.	5.40-5.43
Sand, medium.	5.49-5.61
Silt.	5.61-5.67
Sand, medium.	5.67-5.79
Silt to silty sand.	5.79-5.82
Sand, medium.	5.82-6.04

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 801--Continued	
Sand, medium to coarse.	6.10-6.64
Sand, medium to fine, thinly laminated.	6.71-7.07
Sand, fine, thinly laminated.	7.32-7.92
Sand, fine, grading to gravel, coarse. Thinly laminated.	7.93-8.44
Sand, medium to fine.	8.53-8.63
Sand, gravelly.	8.63-8.69
Sand, medium, uniform, thinly bedded.	8.69-9.14
Sand, fine.	9.14-9.17
Gravel, sandy, poorly sorted.	9.17-9.33
Sand, fine to medium.	9.33-9.39
Sand, medium to fine.	9.39-9.63
Sand, medium to coarse. Minor gravel.	9.75-10.03
Gravel, sandy, poorly sorted.	10.03-10.15
Sand, medium to fine.	10.15-10.18
Sand, medium to fine.	10.15-10.36
Sand, coarse. Minor gravel.	10.36-10.73
Sand, medium.	10.97-11.06
Gravel, sandy.	11.06-11.25
Sand, gravelly.	11.58-11.77
Gravel, poorly sorted. Cobble at bottom.	12.19-12.50
Gravel, sandy, coarse.	12.80-12.92
Gravel, sandy, coarse, poorly sorted, olive-yellow.	12.92-13.05
Sand, medium to coarse, poorly sorted.	13.41-13.50
Gravel.	13.50-13.62
Sand, medium to coarse, moderately sorted.	13.62-13.72
Sand, gravelly.	14.02-14.39
Sand, gravelly, coarse, olive-yellow.	14.63-14.81
Sand, gravelly.	15.24-15.51
PROJECT WELL 805	
Cobbles.	0.00-1.52
Sand, gravelly.	1.52-3.05
Sand, medium to coarse, trace of granules.	3.66-5.18
Cobbles.	5.18-5.49
Sand, fine, light brown, ripple laminated.	6.71-7.01
Sand, fine, silty, ripple laminated.	7.01-7.35
Sand, fine, ripple laminated.	7.35-7.47
Sand, medium, uniform.	7.47-7.53
Sand, medium, uniform.	7.53-7.68
Sand, silty.	7.68-7.71
Sand, medium, uniform ripple cross-beds.	7.71-7.86
Planar to cross-bedded medium sand in bedsets 0.05 m to 0.10 m thick. Some silty sand laminae at 8.02 m.	7.93-8.41
Sand, medium to coarse, oil saturated. Fine sand, with less oil, at tip of core.	8.41-8.63
PROJECT WELL 806	
Sand, gravelly.	0.24-0.43
Sand, gravelly.	0.61-0.85
Gravel, sandy.	0.85-1.04
Sand, gravelly.	1.22-1.40
Gravel, sandy.	1.40-1.55

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 806--Continued	
Sand, gravelly.	1.55-1.65
Sand, gravelly. Gravel, sandy.	1.83-2.38
Sand, gravelly, poorly sorted.	2.44-2.59
Gravel, sandy.	2.59-2.83
Gravel, sandy, coarse.	3.05-3.20
Sand, gravelly, clean.	3.20-3.38
Sand, gravelly.	3.66-3.87
Sand, coarse.	3.87-3.96
Gravel, sandy.	4.27-4.57
Gravel, sandy, coarse.	4.88-5.00
Silt to silty sand, brown.	5.00-5.04
Sand, fine, ripple and horizontally laminated.	5.04-5.15
Sand, fine to medium, thinly laminated.	5.18-5.67
Sand, very fine to sand, silty, thinly laminated.	5.67-5.73
Sand, fine.	5.73-5.79
Sand, fine.	5.79-5.85
Sand, very fine, silty, medium brown.	5.85-5.91
Sand, fine to medium.	5.91-6.13
Sand, medium, well sorted.	6.13-6.31
Sand, medium to fine, uniform, thinly bedded.	6.40-6.98
Sand, medium, uniform, thinly bedded.	7.01-7.50
Sand, medium, uniform, thinly to medium bedded.	7.62-8.23
Sand, medium, uniform, thinly to medium bedded.	8.23-8.72
Sand, medium to fine.	8.84-8.96
Sand, medium to coarse, thinly bedded.	8.96-9.24
Sand, fine to medium, thinly bedded.	9.45-9.63
Silt.	9.63-9.66
Sand, medium to fine. Cobbles at 9.66 m.	9.66-9.75
Pea gravel, well sorted.	9.75-9.88
Sand, fine to medium, poorly sorted. Minor sand, coarse.	9.88-10.15
Sand, coarse to medium, poorly sorted. Horizontal interbeds 0.01 m to 0.02 m thick of sand, medium to fine.	10.97-11.19
Sand, medium to fine, poorly sorted. Minor sand, medium to coarse.	11.19-11.31
Gravel, sandy, coarse. Minor sand beds, medium to fine.	11.58-11.83
Gravel, sandy, coarse, moderately to poorly sorted. Fine sand interbeds less than 0.02 m thick.	12.19-12.62
Gravel, sandy, coarse.	12.80-13.05
Gravel, cobble type.	13.05-13.11
Gravel, sandy to sand, gravelly.	13.41-13.84
Sand, coarse, poorly sorted.	14.02-14.20
Sand, coarse, poorly sorted.	14.48-14.75
Gravel, sandy, coarse, poorly sorted.	14.75-14.94
Sand, medium to coarse, poorly sorted.	14.94-15.24
Sandy gravel to gravelly sand, coarse, poorly sorted.	15.24-15.36
Sand, gravelly, coarse, olive-yellow.	15.54-15.70
PROJECT WELL 810	
Sand, medium.	0.61-0.91
Sand, coarse to gravelly.	1.07-1.13
Sand, medium.	1.22-1.43
Sand, very coarse to pebbly.	1.46-1.54
Sand, pebbly to very coarse.	1.54-1.62

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 810--Continued	
Sand, medium, interbedded with sand, coarse to very coarse.	1.62-1.68
Sand, medium to sand, very coarse, gravelly.	1.86-1.94
Sand, very coarse, gravelly.	1.94-2.29
Gravel, sandy. Large cobble.	2.44-2.50
Sand, gravelly, coarse.	3.08-3.15
Sand, gravelly, coarse to sand, medium.	3.15-3.23
Sand, gravelly, coarse.	3.23-3.46
Sand, very fine to silty.	3.66-3.69
Sand, medium, uniform.	3.69-4.02
Sand, fine, uniform.	4.02-4.05
Sand, fine.	4.27-4.31
Sand, fine to very fine.	4.31-4.39
Sand, fine to medium.	4.39-4.47
Sand, medium, uniform.	4.47-4.62
Sand, fine, uniform.	4.62-4.69
Sand, fine to medium, uniform.	4.69-4.83
Sand, medium.	4.88-4.91
Sand, fine to medium, uniform.	4.91-5.21
Sand, fine, uniform.	5.21-5.43
Sand, medium.	5.49-5.76
Sand, medium to coarse.	5.76-6.05
Sand, medium, uniform.	6.10-6.63
Sand, medium.	6.71-6.93
Sand, medium to coarse. Minor gravel.	6.93-7.22
Sand, medium, uniform.	7.32-7.85
Sand, medium.	7.92-8.43
PROJECT WELL 811	
Sand, coarse to very coarse.	0.49-0.55
Sand, gravelly, very coarse.	0.61-1.07
Sand, medium to coarse interbedded with sand, gravelly, thin layered.	1.22-1.58
Sand, gravelly.	1.58-1.62
Sand, gravelly to gravel, sandy.	1.83-2.13
Silt, sandy, very fine to sand, very fine, silty.	2.13-2.18
Sand, medium to fine.	2.18-2.19
Sand, medium, well sorted.	2.44-2.90
Sand, medium, well sorted, thinly bedded.	3.05-3.57
Sand, medium, well sorted, thinly bedded.	3.66-3.96
Sand, coarse to medium, thinly bedded.	3.96-4.08
Sand, medium, thinly bedded.	4.27-4.42
Sand, fine, thinly bedded to laminated.	4.42-4.48
Sand, gravelly coarse.	4.48-4.75
Gravel, sandy.	4.88-5.15
Silt, gray.	5.15-5.18
Sand and silt, very fine, brown, thinly bedded to laminated.	5.18-5.40
Sand, fine, thinly bedded.	5.49-5.52
Sand, very fine, silty, thinly bedded to ripple cross-bedded.	5.52-5.67
Sand, fine, thinly bedded.	5.67-5.73
Sand, very fine, silty, laminated to thinly bedded.	5.73-5.88
Sand, fine, thinly bedded.	5.88-6.07

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 811--Continued	
Sand, medium, thinly bedded, light gray.	6.10-6.19
Sand, fine, thinly bedded to laminated. Grades into lower unit.	6.19-6.31
Sand, medium to coarse, thinly bedded.	6.31-6.55
Sand, coarse.	6.71-6.89
Sand, very fine and silty, thinly bedded.	6.89-7.13
Gravel, sandy, moderately to poorly sorted, olive-yellow.	7.32-7.53
Sand, gravelly to gravel, sandy, thinly to medium bedded, olive-yellow.	7.53-8.32
Sand, gravelly to gravel, sandy.	8.53-8.87
Gravel, sandy to sand, gravelly.	9.14-9.51
Sand, gravelly coarse.	9.75-10.03
Sand, medium, moderately well sorted. Grades upwards to a 0.02 m thick very fine sand bed.	10.03-10.15
Gravel, sandy to sand, gravelly.	10.36-10.55
Sand, fine.	10.55-10.73
Silt.	10.73-10.77
Sand, fine.	10.77-10.81
Silt.	10.81-10.82
Sand, medium to coarse, poorly sorted.	10.97-11.16
Gravel, very poorly sorted.	11.16-11.28
Matrix supported stratified diamicton associated with upper gravel.	11.28-11.34
Sand, coarse.	11.58-11.73
Till, olive-yellow.	11.73-11.92
Cobble layer.	11.92-12.01
Till, olive-yellow.	12.01-12.07
Sand, fine.	12.07-12.13
Sand, gravelly, olive-yellow.	12.19-12.44
Sand, medium, olive-yellow.	12.44-12.50
Gravel, very poorly sorted.	12.80-13.05
PROJECT WELL 812	
Topsoil, sandy, dark.	0.00-0.15
Sand, becoming less organic with depth.	0.15-0.30
Sand, fine to medium. Minor sand, coarse.	0.30-0.55
Sand, fine to medium. Minor sand and gravel, very coarse.	0.55-0.64
Sand, fine to medium, darker, more cohesive. Minor sand and gravel, very coarse.	0.64-0.73
Sand, fine to very coarse, lighter brown. Minor gravel.	0.73-1.01
Sand, fine to coarse. Minor gravel.	1.01-1.22
Sand, coarse to very coarse. Minor gravel, medium.	1.22-1.37
Sand, medium, very light brown. Gravel, medium.	1.37-1.52
Sand, medium to coarse.	1.83-1.86
Sand, medium.	1.86-1.89
Sand, coarse.	1.89-1.92
Sand, medium to coarse.	1.92-1.98
Sand, coarse to very coarse. Minor gravel, coarse.	1.98-2.10
Sand, coarse to very coarse, very light brown.	2.10-2.26
Gravel, medium to coarse.	2.26-2.29
Sand, medium.	2.44-2.56
Sand, coarse to very coarse.	2.56-2.59
Sand, medium. Minor sand, coarse.	2.59-2.65
Sand, coarse to very coarse. Minor gravel, medium.	2.65-2.77
Sand, medium, very light brown.	3.05-3.11

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 812--Continued	
Sand, coarse.	3.11-3.14
Sand, medium. Minor sand, very coarse.	3.14-3.20
Sand, medium. Sand, coarse. Striated.	3.20-3.26
Sand, medium.	3.26-3.44
Sand, coarse. Minor gravel, fine.	3.44-3.51
Sand, coarse. Minor gravel, fine to medium.	3.66-3.96
Sand, fine to very fine, gray-brown.	3.96-4.02
Sand, medium, very fine. Black striation at 4.05 m.	4.02-4.15
Sand, fine to medium, very uniform, light brown.	4.15-4.72
Sand, fine to medium.	4.88-4.94
Sand, medium (grading to mostly coarse).	4.94-5.15
Sand, medium.	5.15-5.30
Sand, medium to coarse.	5.30-5.43
Sand, medium.	5.49-5.55
Sand, medium to coarse, uniform.	5.55-5.88
Sand, fine, very light brown.	5.88-6.07
Sand, medium. Lenses of sand, fine.	6.10-6.16
Sand, fine, very light brown.	6.16-6.40
Sand, medium. Minor sand, coarse and fine.	6.40-6.49
Sand, fine. Minor sand, very fine.	6.49-6.58
Sand, medium. Minor sand, coarse.	6.71-6.74
Sand, fine.	6.74-6.77
Sand, coarse.	6.77-6.83
Sand, medium to coarse.	6.83-7.25
Sand, medium, very light brown. Sand, red-brown, thin layer.	7.32-7.41
Sand, medium, very light brown.	7.41-7.71
Sand, medium to coarse, brown, saturated.	7.71-7.86
Sand, medium to coarse.	7.92-8.08
Sand, coarse to very coarse.	8.08-8.17
Silt and sand, very fine, greenish-brown.	8.17-8.35
Silt and sand, very fine (grading to sand, very fine).	8.53-8.87
Sand, very fine.	8.87-8.93
Sand, very fine.	9.14-9.36
Silt.	9.36-9.39
Sand, silty, very coarse.	9.39-9.45
Sand and gravel, very coarse to fine.	9.45-9.66
Sand, very coarse to gravel, medium.	9.75-10.06
Sand, medium to very coarse.	10.06-10.15
Sand, very coarse. Gravel, fine.	10.36-10.61
PROJECT WELL 813	
Sand, medium to coarse, organically gray-brown.	0.00-0.15
Sand, medium to coarse. Minor gravel, very fine.	0.15-0.37
Sand, medium to coarse, reddish-brown.	0.37-0.52
Sand, medium to coarse. Minor sand, very coarse.	0.61-1.07
Sand, medium, gray-brown.	1.22-1.31
Sand, coarse, dark red.	1.31-1.43
Sand, very coarse, dark red.	1.43-1.49
Sand, very coarse, dark red.	1.49-1.52
Sand, coarse to very coarse, lighter red.	1.52-1.68

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 813--Continued	
Sand, medium to coarse.	1.83-1.86
Sand, very coarse. Minor gravel, very fine.	1.86-1.95
Sand, medium to coarse, deep-red to light-brown.	1.95-2.23
Sand, medium, gray-brown. Minor sand, coarse.	2.44-2.51
Sand, coarse, reddish.	2.51-2.55
Sand, coarse, gray-brown.	2.55-2.58
Sand, fine to medium, greenish-brown.	2.58-2.61
Sand, coarse to very coarse, light brown.	2.61-2.65
Sand, coarse, red-brown.	2.65-2.71
Sand, coarse to very coarse, light brown to dark red.	2.71-2.74
Sand, medium to coarse, red-brown.	3.05-3.14
Sand, fine to medium, light gray-brown.	3.14-3.17
Sand, coarse to very coarse, light gray-brown.	3.17-3.51
Sand, medium to very coarse, gray-brown.	3.66-3.70
Sand, medium, light brown.	3.70-3.75
Sand, very coarse.	3.75-3.76
Sand, medium to coarse, light brown.	3.76-3.79
Sand, medium to coarse, gray-brown.	3.79-3.81
Sand, coarse to very coarse, light brown.	3.81-3.84
Sand, coarse to very coarse, gray-brown.	3.84-3.87
Sand, coarse to very coarse, gray-brown.	3.87-3.93
Gravel, coarse to medium, gray-brown.	3.93-4.02
Sand, medium to coarse, very light gray-brown.	4.27-4.30
Sand, medium to coarse, red-brown.	4.30-4.33
Sand, medium, dark red-gray. Minor sand, coarse.	4.33-4.42
Sand, medium, lighter gray.	4.42-4.50
Sand to silt, very fine.	4.50-4.53
Sand, fine.	4.53-4.56
Sand, fine, red-brown.	4.56-4.60
Sand, coarse, gray-brown. Minor sand, medium.	4.88-5.03
Sand, medium, gray-brown.	5.03-5.30
Sand, medium to coarse, gray-brown.	5.30-5.33
Sand, medium to coarse, gray-brown.	5.49-5.64
Sand, medium to coarse, gray-brown (somewhat finer with two gray laminae).	5.64-5.67
Sand, fine to medium, gray-brown.	5.67-5.88
Sand, fine to medium (grading to mostly coarse).	6.10-6.31
Sand, coarse to very coarse.	6.31-6.37
Sand, coarse. Minor clay or silt, gray.	6.37-6.40
PROJECT WELL 814	
Sand, medium, dark brown.	0.00-0.15
Sand, medium to coarse, red-brown.	0.15-0.24
Sand, medium to coarse. Minor gravel, medium.	0.24-0.43
Sand, medium to coarse, oxidized.	0.61-0.73
Sand, medium to coarse. Minor gravel.	0.73-0.94
Sand, medium. Gravel, fine.	1.22-1.42
Sand, medium, brown.	1.83-1.92
Sand, coarse, brown. Minor gravel, fine.	1.92-1.97
Sand, coarse, brown.	1.97-2.01
Sand, coarse, brown. Minor gravel, fine.	2.32-2.36

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 814--Continued	
Sand, fine to very coarse, poorly sorted. Minor gravel, fine. Oil.	2.44-2.62
Sand, fine to very coarse. Minor gravel, medium. Oil.	3.05-3.17
Sand, coarse to very coarse, clean, light brown. Minor gravel, medium.	3.17-3.35
Sand, very fine to fine, cross-beds.	3.66-3.84
Sand, silty, very fine, darker.	3.84-3.87
Sand, fine to medium, excellent cross-beds.	3.87-4.08
Sand, medium, well sorted, clean.	4.08-4.21
Sand, medium, well sorted, bedded.	4.27-4.82
Sand, medium, well sorted, bedded.	4.88-5.03
Sand, medium to coarse, well sorted, bedded.	5.03-5.09
Sand, medium, well sorted, bedded.	5.09-5.18
Sand, fine, well sorted, bedded.	5.18-5.29
Sand, fine, well sorted. Several thin, black, organic beds.	5.29-5.43
Sand, fine, well sorted. Several thin, black, organic beds.	5.49-6.00
Sand, fine to medium. One organic bed.	6.10-6.25
Sand, fine, dark.	6.25-6.34
Sand, medium to coarse.	6.34-6.43
Sand, medium.	6.43-6.55
Sand, fine to medium, darker beds.	6.71-6.95
Sand, fine, dark brown, silt lenses.	6.95-7.01
Sand, medium to coarse (fining downward to medium).	7.01-7.25
Sand, medium (fining downward to fine).	7.32-7.44
Sand, medium to fine.	7.44-7.53
Sand, medium to fine. Thin, dark red beds.	7.53-7.56
Sand, very fine to fine, thinly bedded.	7.56-7.86
Sand, very fine to fine, thin cross-beds.	7.92-8.29
Sand, medium to coarse.	8.29-8.38
Sand, medium to coarse. Minor gravel.	8.38-8.44
Sand, medium to coarse.	8.44-8.50
Sand, medium to coarse.	8.53-8.78
Sand, coarse to very coarse. Minor gravel, medium.	8.78-8.93
Sand, coarse to very coarse.	9.14-9.27
Sand, very coarse. Minor gravel, fine.	9.27-9.33
Sand, coarse to very coarse.	9.33-9.42
Sand, coarse to very coarse. Minor gravel, fine.	9.42-9.54
Sand, very coarse.	9.75-9.85
Sand, very coarse. Minor gravel, fine.	9.85-9.91
PROJECT WELL 815	
Sand, coarse to very coarse, dark brown.	0.00-0.15
Sand, medium to coarse, light brown.	0.15-0.34
Sand, coarse. Minor gravel, fine.	0.34-0.52
Sand, very coarse, light brown. Minor gravel, coarse.	0.61-0.73
Sand, coarse to very coarse, very dark red (oxidized).	0.73-0.76
Sand, very coarse. Gravel, fine.	0.76-0.91
Sand, coarse to very coarse, very light brown.	1.22-1.40
Sand, coarse, dark red beds.	1.40-1.52
Sand, very coarse, very light brown. Minor sand, coarse.	1.52-1.62
Sand, medium to coarse. Minor gravel, very fine.	1.83-1.98
Sand, coarse to very coarse.	1.98-2.13

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 815--Continued	
Sand, medium to coarse.	2.13-2.23
Sand, coarse to very coarse, some pebbles.	2.23-2.29
Sand, coarse to very coarse.	2.44-2.53
Sand, medium. Silt layer 0.01 m thick.	2.53-2.56
Sand, medium to coarse, light brown. Sand, very coarse at 2.65 m to 2.68 m.	2.56-2.71
Sand, medium to coarse, red-brown.	2.71-2.80
Sand, fine, gray.	2.80-2.83
Sand, coarse to very coarse, very light brown.	2.83-2.90
Sand, very coarse. Gravel, very fine.	3.05-3.23
Sand, medium to coarse.	3.23-3.35
Sand, very fine, gray.	3.35-3.38
Sand, fine, white.	3.38-3.47
Sand, fine, gray.	3.66-3.69
Sand, medium, light brown.	3.69-4.11
Sand, very fine, darker brown (medium sand interbedded).	4.11-4.18
Sand, fine to medium, light brown.	4.18-4.19
Sand, medium to coarse, red-brown.	4.27-4.33
Sand, very fine, brown.	4.33-4.36
Sand, medium to coarse, light brown.	4.36-4.57
Sand, medium. Minor sand, coarse.	4.57-4.75
Sand, medium to coarse, very uniform.	5.06-5.36
Sand, medium to coarse, very uniform.	5.49-5.67
Gravel, very fine to medium. Cobbles at bottom.	5.67-5.79
Gravel, very fine to medium. Cobbles at bottom.	6.10-6.16
Sand, very fine to fine.	6.16-6.40
Silt and sand, very fine.	6.40-6.43
Sand, very fine to fine.	6.43-6.46
Sand, very fine. Silt.	6.46-6.52
Sand, fine, very wet. Silt.	6.71-6.77
Sand, medium, dry.	6.77-6.80
Sand, very fine, dry.	6.80-6.83
Sand, very coarse. Gravel, fine.	6.83-6.92
Sand, medium to coarse. Minor gravel, very coarse to fine.	6.92-7.19
Sand, very fine to fine. Minor gravel, medium.	7.32-7.38
Sand, medium. Minor gravel, fine.	7.38-7.53
Sand, coarse to very coarse, saturated. Minor gravel, medium.	7.53-7.80
Sand, coarse to very coarse, saturated. Minor gravel, medium.	7.80-8.02
Sand, very coarse. Minor gravel, coarse.	8.02-8.29
Sand, medium to coarse.	8.53-8.60
Sand, very coarse. Minor gravel, medium, 0.05 m cobbles.	8.60-8.69
Sand, coarse to very coarse. Gravel, fine at 8.84 m.	8.69-8.84
Sand, coarse to very coarse.	8.84-8.96
Sand, very coarse. Gravel, very fine.	9.14-9.27
Sand, very coarse, silt lenses.	9.27-9.33
Sand, fine, gray.	9.33-9.36
Sand, fine, brown-red.	9.36-9.57
Sand, fine.	9.75-9.81
Sand, very fine, stiff. Silt.	9.81-9.88
Sand, coarse to very coarse, gray.	9.88-10.18
Sand, coarse to very coarse, red-brown.	10.36-10.42

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 816	
Sand, medium, dark brown, oily. Minor sand, coarse.	0.00-0.61
Sand, medium, dark brown, oily. Minor sand, coarse. Some black areas.	0.61-0.67
Sand, medium to coarse, light brown-red. Minor sand, very coarse.	0.67-0.91
Sand, medium to coarse, light brown-red.	1.22-1.40
Sand, medium to coarse.	1.40-1.46
Sand, medium to coarse. Minor gravel, medium.	1.46-1.55
Sand, medium to coarse. Minor gravel, medium. Sand, fine to medium in last 0.003 m.	1.83-1.92
Sand, coarse, lighter brown. Minor sand, very coarse.	1.92-2.13
Sand, medium to very coarse.	2.44-2.53
Sand, coarse to gravel, fine.	2.53-2.71
Sand, fine, light gray-brown.	2.71-2.83
Sand, fine to medium, light gray-brown.	2.83-2.87
Sand, fine to medium, light gray-brown.	3.05-3.08
Sand, fine to medium, light gray-brown.	3.08-3.17
Sand, medium to coarse, red-brown.	3.17-3.23
Sand, fine to medium, striations.	3.23-3.32
Sand, medium.	3.32-3.41
Sand, fine to medium.	3.41-3.44
Sand, medium to coarse.	3.44-3.54
Sand, coarse.	3.66-3.69
Sand, medium, light brown. Minor sand, fine.	3.69-4.02
Sand, medium, light brown. Minor sand, fine.	4.27-4.30
Sand, medium to very coarse, darker becoming more reddish.	4.30-4.42
Sand, medium, light brown (becomes coarse at 4.48 m).	4.42-4.57
Sand, coarse, wet. Minor sand, very coarse (top 0.03 m red in color).	4.57-4.69
Sand, fine to medium, gray, wet, oily.	4.69-4.82
Sand, fine. Minor sand, medium and very fine. Thin layer of brotete at 5.12 m.	4.88-5.18
Sand, fine to medium. Grades to sand and gravel, coarse, gray.	5.18-5.33
Sand, very fine, red-brown. Silt.	5.33-5.55
Sand, very fine, red-brown. Silt.	5.79-6.19
Sand, medium. Minor sand, very fine to coarse. Gravel.	6.19-6.37
Sand, medium. Gravel, fine at 6.46 m.	6.40-6.55
Sand, fine to medium.	6.55-6.64
Sand, coarse. Gravel, medium.	6.64-6.71
Sand, fine to coarse, dirty, stiff.	6.71-6.80
Sand, very coarse to gravel, fine, red-brown.	6.80-12.19
Sand, very coarse to gravel, fine, green-gray.	12.19-15.24
Sand, coarse to very coarse. Minor gravel, very fine.	15.24-20.42
Sand, medium to coarse, dirty.	20.42-23.17
Sand, medium to coarse, very dirty, stiff.	23.17-23.47
PROJECT WELL 817	
Topsoil, organic. Grades to sand, fine to coarse, reddish-brown.	0.00-0.15
Sand, fine to coarse, red-brown.	0.15-0.37
Sand, fine to coarse, red-brown.	0.61-0.76
Sand, medium to coarse.	0.76-0.91
Sand, medium to coarse.	0.91-1.01
Sand, coarse to gravel, fine, dark red.	1.01-1.16
Sand, coarse to very coarse, red. Gravel, fine.	1.22-1.46
Sand, coarse to very coarse, red. Gravel, fine, darker.	1.46-1.58

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 817--Continued	
Sand, medium to very coarse, slightly dirty.	1.83-1.89
Sand, coarse, dark. Grades to sand, medium, light. Dark red band.	1.89-2.01
Sand, coarse to very coarse, brown.	2.01-2.23
Sand, coarse to very coarse, brown.	2.44-2.50
Sand, medium to gravel, coarse.	2.50-2.59
Sand, coarse to very coarse. Minor gravel, fine to medium.	2.59-2.77
Sand, fine to medium, light brown.	3.66-4.02
Sand, medium.	4.02-4.11
Sand, medium. Coarser with increasing depth.	4.11-4.66
Sand, medium, slightly reddish. Minor sand, fine.	4.88-4.94
Sand, medium, light brown. Minor sand, fine.	4.94-5.40
Sand, fine, light brown. Minor sand, medium.	5.40-5.43
Sand, fine, light brown. Minor sand, medium.	5.49-5.55
Sand, medium, light brown. Minor sand, fine.	5.55-5.82
Sand, fine to medium, light brown.	5.82-5.85
Sand, fine to medium, red-brown.	6.10-6.31
Sand, medium to coarse, light brown.	6.31-6.43
Sand, coarse. Minor sand, fine. Gray laminae.	6.43-6.55
Sand, fine to medium.	6.71-6.74
Sand, coarse. Minor gravel, fine.	6.74-7.10
Sand, medium to coarse. Minor gravel, very fine.	7.32-7.41
Sand, fine.	7.41-7.62
Sand, very fine.	7.62-7.77
Sand, fine, gray laminae.	7.92-7.99
Sand, medium, gray laminae.	7.99-8.29
Sand, very fine to medium, gray-brown.	8.53-8.90
Sand, very fine to medium, gray-brown.	9.14-9.39
Sand, very fine to medium, gray-brown.	9.39-9.63
Sand, medium to very coarse.	9.75-9.88
Sand, medium to coarse. Minor gravel, very fine.	9.88-9.97
Sand, coarse to very coarse. Minor gravel, fine.	9.97-10.15
PROJECT WELL 818	
Topsoil, organic.	0.00-0.12
Sand, fine to medium, red-brown.	0.12-0.27
Sand, fine to medium, red-brown (less red).	0.61-0.70
Sand, medium. Minor sand, fine.	0.70-0.91
Sand, medium to coarse. Minor gravel, fine to medium.	0.91-1.07
Sand, medium to coarse. Minor gravel, fine.	1.22-1.31
Sand, medium to coarse (becoming mostly medium). Minor gravel, fine.	1.31-1.55
Sand, medium to coarse (becoming mostly very coarse). Minor gravel, fine.	1.55-1.71
Sand, coarse to very coarse. Minor gravel, fine.	1.98-2.01
Sand, fine to medium, brown.	2.74-2.83
Sand, fine, light brown. Minor sand, medium.	2.83-2.93
Sand, fine, dark brown.	2.93-2.96
Sand, very coarse. Gravel, fine.	2.96-2.99
Sand, very fine, gray-brown. Silt.	3.05-3.14
Silt, gray-brown.	3.14-3.23
Sand, medium to very coarse. Sand, very coarse, imbedded layer.	3.23-3.35
Sand, medium to very coarse. Sand, very coarse, imbedded layer.	3.35-3.54

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 818--Continued	
Sand, medium to coarse. Minor sand, very coarse.	3.66-3.84
Sand, coarse. Minor sand, very coarse.	3.84-4.02
Sand, coarse to very coarse. Minor gravel, fine.	4.27-4.36
Sand, medium to coarse, grading to silt.	4.36-4.45
Sand, fine to medium, grading to silt.	4.45-4.54
Sand, fine to medium.	4.54-4.63
Sand, very fine. Silt.	4.63-4.66
Sand, fine to medium, light brown.	4.66-4.69
Sand, fine to medium, light brown.	4.88-5.15
Sand, medium, light brown. Minor sand, fine.	5.15-5.27
Sand, fine to medium.	5.27-5.33
Sand, fine to medium, faint yellowish bedding.	5.49-5.94
Sand, medium, darker.	5.94-5.97
Sand, medium.	6.10-6.16
Sand, fine to medium, light brown.	6.16-6.52
Sand, medium. Minor sand, fine.	6.71-7.07
Sand, medium. Minor gravel, fine to medium.	7.07-7.16
Sand, coarse. Gravel, fine.	7.32-7.38
Gravel, medium to coarse.	7.38-7.41
Sand, medium to coarse. Gravel, fine.	7.41-7.44
Sand, medium to coarse. Minor sand, very coarse. Faint bedding.	7.44-7.74
Sand, fine to medium, many dark bedding lines.	7.92-8.29
Sand, fine to medium, many dark bedding lines.	8.53-8.75
Sand, medium to coarse. Minor gravel, fine.	8.75-8.81
Sand, medium. Minor sand, fine.	9.14-8.24
Sand, coarse to very coarse. Minor gravel, medium.	9.24-9.39
Sand, medium to coarse. Minor gravel, fine.	9.39-9.45
Sand, medium. Minor sand, coarse.	9.45-9.51
Sand, medium. Gravel, fine.	9.75-9.88
Silt. Sand, medium, thin layer.	9.88-9.94
Gravel, fine to medium. Minor sand.	9.94-10.06
Sand, gravel and silt.	10.36-10.42
Sand, very coarse to gravel, medium.	10.42-10.64
Sand, coarse to gravel, fine, dirty.	10.97-11.03
Sand, coarse to gravel, fine, clean.	11.03-11.34
Sand, coarse to gravel, fine, clean.	11.58-11.73
Sand and gravel, dirty.	11.73-11.83
Sand and gravel, dirty.	12.19-12.38
PROJECT WELL 819	
Topsoil. Sand, fine to medium, red-brown.	0.00-0.61
Sand, fine to medium, light brown. Minor sand, coarse.	0.61-0.85
Sand, medium to coarse, darker. Minor gravel, fine.	0.85-0.91
Sand, coarse to very coarse.	1.22-1.28
Sand, very coarse, darker. Gravel, medium.	1.28-1.34
Sand, medium to coarse, brown.	1.34-1.49
Sand, medium to very coarse, light brown. Minor gravel, fine.	1.49-1.62
Sand, medium to very coarse, light brown. Minor gravel, medium.	1.83-2.01
Sand, fine to medium, lighter.	2.01-2.16
Sand, fine to medium, lighter.	2.44-2.47

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 819--Continued	
Silt, brown.	2.47-2.50
Gravel, fine to medium.	2.50-2.59
Silt, greenish-brown.	3.05-3.17
Sand, medium to coarse, light brown.	3.17-3.44
Sand, medium to very coarse.	3.66-3.99
Sand, very fine.	3.99-4.02
Sand, fine to medium.	4.27-4.63
Sand, fine to medium, light brown.	4.88-5.09
Sand, medium, light brown.	5.09-5.30
Sand, medium sand. Minor sand, fine.	5.49-5.91
Sand, medium sand. Minor sand, fine.	6.10-6.46
Sand, fine sand. Minor sand, medium.	6.46-6.49
Sand, medium to fine, light brown.	6.71-7.10
Sand, coarse to very coarse.	7.10-7.13
Sand, fine to medium, light brown.	7.32-7.44
Sand, very coarse to gravel, very fine.	7.44-7.47
Sand, fine to medium, rust colored bands.	7.47-7.50
Sand, fine. Minor sand, medium.	7.50-7.68
Sand, fine. Minor sand, medium.	7.68-7.74
Sand, medium. Minor sand, fine.	7.92-8.35
Sand, medium sand. Minor sand, fine and coarse.	8.53-8.78
Sand, medium sand. Minor sand, fine and coarse.	8.78-8.84
Sand, fine to medium.	8.84-8.96
Sand, fine. Minor sand, medium.	9.14-9.51
Sand, fine to medium.	9.75-10.21
Sand, fine. Minor sand, medium.	10.36-10.49
Sand, medium to coarse.	10.49-10.64
PROJECT WELL 820	
Topsoil, sandy, dark, organic.	0.00-0.12
Sand, fine to medium, red-brown.	0.12-0.21
Sand, medium to coarse. Minor gravel, medium.	0.61-0.82
Sand, medium to coarse, light brown.	0.82-0.94
Sand, medium to coarse. Minor sand, very coarse.	1.22-1.34
Sand, fine to medium.	1.34-1.40
Sand, coarse. Minor sand, very coarse.	1.40-1.55
Sand, medium to coarse.	1.83-1.86
Gravel, very fine to medium.	1.86-1.98
Sand, coarse to medium.	1.98-2.10
Clay or silt, gray.	2.10-2.13
Sand, coarse. Sand, medium to coarse.	2.13-2.23
Sand, medium, light brown.	2.44-2.53
Sand, very fine to fine.	2.53-2.56
Sand, fine to medium.	2.56-2.59
Sand, very coarse to very fine, red-brown. Gravel, medium.	2.59-2.65
Gravel, very fine to coarse.	3.05-3.14
Sand, medium to coarse.	3.14-3.29
Sand and silt, very fine.	3.29-3.35
Sand, fine to medium.	3.66-3.69
Sand and silt, very fine.	3.69-3.72

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 820 --Continued	
Sand, medium to coarse.	3.75-3.84
Sand, medium to coarse.	4.27-4.42
Sand, medium. Minor sand, coarse.	4.42-4.45
Sand, coarse to very coarse.	4.45-4.60
Sand and silt, very fine.	4.88-4.91
Sand, fine. Minor sand, medium.	4.91-4.94
Sand, very fine.	[1]4.94-4.94
Sand, fine to medium, light brown.	4.94-5.03
Sand, medium to coarse.	6.10-6.22
Sand, fine to medium. Gravel, fine, thin layer at bottom.	6.22-6.43
Sand, medium to coarse. Minor sand, very coarse.	6.43-6.49
Sand, medium. Minor sand, fine and coarse.	6.71-7.13
Sand, medium. Minor sand, fine and coarse.	7.32-7.38
Sand, coarse to very coarse. Minor gravel, fine to medium.	7.38-7.65
Sand, medium.	7.65-7.71
Sand, medium to coarse.	7.71-7.77
Sand, medium to coarse. Minor gravel, medium.	7.92-8.02
Sand, medium, light brown.	8.02-8.44
Sand, medium. Minor sand, fine.	8.53-8.93
Sand, medium to coarse.	9.14-9.21
Sand, medium to very coarse. Minor gravel, fine.	9.21-9.42
Sand, medium.	9.42-9.48
Sand, coarse to very coarse. Minor gravel, fine.	9.48-9.66
Sand, medium to coarse, light brown.	9.75-9.81
Sand, coarse to very coarse.	9.81-10.12
Sand, fine to medium.	10.12-10.18
Sand, fine to medium.	10.38-10.67
Sand, medium to very coarse.	10.97-11.03
Sand, fine to medium.	11.03-11.06
Sand, coarse, dark brown. Minor sand, very coarse.	11.06-11.13
Sand, fine to medium, light brown.	11.13-11.19
Sand, medium. Minor sand, fine.	11.19-11.25
Sand, very fine to medium.	11.25-11.31
Sand, very fine to fine.	11.58-11.95
Silt.	12.80-13.08
Sand, fine to medium.	[1]13.08-13.08
Sand, fine. Silt.	13.08-13.14
Sand, fine. Minor sand, medium.	13.14-13.20
Sand, fine. Minor sand, medium.	13.41-13.50
Sand, coarse to gravel.	13.50-13.53
PROJECT WELL 925	
Organic plant matter, dark and disorganized.	0.00-0.15
Sand, medium to coarse, buff.	1.22-1.37
Sand, medium, well sorted.	1.37-1.52
Sand, medium to coarse, well sorted, buff.	2.74-2.90
Sand, very fine, silty, brown.	2.96-3.05
Sand, fine, well sorted, buff.	4.42-4.54
Sand, medium to coarse, well sorted, buff.	5.94-6.07

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 925--Continued	
Sand, fine, well sorted, buff.	7.01-7.16
Sand, fine, well sorted, buff.	7.47-7.59
Sand, fine, well sorted, buff.	8.99-9.11
Sand, medium to coarse, well sorted, buff, wet.	10.21-10.33
Sand, medium to coarse, gray-brown.	11.58-12.07
Sand, silty, very fine, brown.	12.10-12.16
Silt, gray.	13.59-13.66
Sand, medium to coarse, well sorted, buff to brown. Gravel.	15.15-15.24
Sand, coarse, buff colored. Gravel with large igneous cobble.	16.46-16.61
Sand, coarse, buff colored. Gravel with large igneous cobble.	17.98-18.14
Sand, medium to coarse. Interphase from sand, grey to sand, coarse, tan-brown at 21.40 m.	22.56-22.71
Sand, silt, and clay, dense, compact, and hard, brown to buff.	25.79-25.85
Sand, coarse. Moderately well sorted laminae of silt at 27.37 m to 27.40 m.	27.31-27.43
Till, gray.	28.35-28.96
PROJECT WELL 950	
Topsoil, sandy, gray.	0.00-0.12
Sand, coarse to very coarse, red-brown. Minor gravel, coarse.	0.12-0.37
Sand, coarse to very coarse.	0.61-0.76
Sand, very coarse. Minor gravel, very coarse.	0.76-1.01
Sand, coarse to very coarse. Gravel, fine.	1.22-1.31
Sand, coarse to very coarse, light brown changing to red-brown between 1.40 m and 1.43 m.	1.31-1.43
Sand, very coarse. Minor sand, coarse. Minor gravel, fine.	1.43-1.65
Sand, medium to coarse.	1.83-1.89
Sand, coarse to very coarse.	1.89-1.92
Sand, medium to coarse.	1.92-2.04
Sand, fine to medium, slightly darker in color.	2.04-2.06
Sand, medium to coarse, light brown. Rust colored banding between 2.13 m to 2.16 m.	2.06-2.23
Sand, medium to very coarse, light brown.	3.05-3.14
Silt, brown.	3.14-3.15
Sand, fine to medium, very light brown.	3.15-3.17
Sand, medium to coarse.	3.17-3.35
Silt.	3.35-3.36
Sand, medium. Minor sand, coarse.	3.36-3.40
Sand, fine to medium, very light brown.	3.46-3.51
Sand, medium to coarse.	3.66-3.67
Sand, mostly coarse to very coarse, some lenses of sand, medium.	3.67-3.99
Silt, gray-brown.	3.99-4.01
Sand, very fine to fine, light brown.	4.01-4.04
Sand, very fine to fine, darker brown.	4.04-4.18
Sand, fine to medium, light brown.	4.27-4.45
Sand, medium.	4.45-4.75
Sand, medium to fine, gray banding throughout.	4.88-5.09
Sand and silt, very fine, gray.	5.09-5.27
Sand, fine to medium.	6.10-6.13
Sand, coarse to very coarse, some gray bands. Rust color 6.36 to 6.37 m.	6.13-6. 37
Sand, fine to medium.	6.37-6.49
Sand, very fine to fine.	6.49-6.61
Sand, fine to medium to very fine.	6.71-6.77
Sand, medium.	6.77-7.04

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 950--Continued	
Sand, coarse.	7.04-7.16
Sand, coarse to very coarse, light brown. Minor gravel, fine.	7.32-7.62
Sand, medium to coarse.	7.62-7.77
Sand, medium to very coarse.	7.77-7.80
Sand, coarse to very coarse.	7.92-8.11
Sand, medium to coarse.	8.11-8.32
Sand, very coarse.	8.32-8.38
Sand, very coarse, wet. Gravel.	8.53-8.66
Silt and clay. Large gravel.	8.66-8.78
Sand, coarse to very coarse. Gravel.	8.78-8.81
Sand, coarse to very coarse. Gravel.	9.14-9.39
Silt and clay, gray, very stiff.	9.39-9.60
Silt and clay, gray, very stiff.	9.75-9.94
Sand, very coarse. Gravel, fine. Rust colored 9.94 m to 9. 97 m.	9.94-10.18
Silt and clay, stiff.	10.36-10.45
Sand, medium to coarse. Minor sand, very coarse. Light brown silt at top.	10.45-10.58
Gravel, very fine to medium, red-brown.	10.58-10.88
PROJECT WELL 951	
Topsoil, black.	0.00-0.03
Sand, medium to coarse, red-brown. Minor gravel, fine.	0.03-0.37
Sand, medium to coarse, red-brown.	0.61-0.64
Sand, medium to coarse, red-brown.	0.64-0.82
Sand, coarse to very coarse, red-brown. Gravel, fine.	0.82-1.07
Sand, medium to coarse, red-brown.	1.07-1.10
Sand, medium to very coarse, red-brown.	1.22-1.28
Sand, medium to coarse. Rust colored band at 1.28 m.	1.28-1.40
Sand, coarse, light brown.	1.40-1.46
Sand, very coarse, light brown.	1.46-1.52
Sand, medium to coarse.	1.52-1.55
Sand, very coarse.	1.55-1.58
Sand, medium to coarse.	1.58-1.68
Sand, coarse, light brown. Minor sand, medium to coarse, light brown.	1.83-1.89
Sand, medium to coarse, dark red band at 1.92 m.	1.89-1.92
Sand, coarse to very coarse.	1.92-2.10
Sand, fine. Sand, medium to coarse.	2.10-2.23
Sand, coarse to very coarse, light brown.	2.44-2.50
Sand, coarse to very coarse, red-brown. Gravel, fine.	2.50-2.53
Sand, very fine, light brown.	2.53-2.56
Rock, black, decomposed.	2.56-2.59
Sand, medium to coarse, light brown.	2.59-2.65
Sand, medium to coarse, light brown. Gravel, very fine.	2.65-2.80
Sand, coarse to gravel, fine.	3.05-3.11
Sand, medium to coarse.	3.11-3.14
Sand, coarse to fine.	3.14-3.23
Sand, fine to very fine.	3.23-3.26
Sand, very fine, gray.	3.26-3.29
Sand, fine to medium, light brown.	3.29-3.32
Sand, medium to coarse. Minor gravel, fine.	3.32-3.35
Sand, medium to coarse.	3.35-3.51

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 951--Continued	
Sand, very fine.	4.27-4.33
Sand, fine to medium, very light brown.	4.33-4.63
Sand, fine, very light brown.	4.88-4.97
Sand and silt, very fine, gray. Two 0.01 m thick lenses.	4.97-5.00
Sand, fine, very light brown.	5.00-5.21
Sand, very fine.	5.21-5.24
Sand, fine. Minor sand, medium.	5.24-5.30
Sand, very fine to fine, light brown.	5.49-5.52
Sand, medium to coarse.	5.52-5.79
Sand, fine to medium.	5.79-5.88
Sand and silt, very fine, gray, wet.	5.88-5.94
Sand, medium.	6.10-6.16
Sand, fine to medium.	6.16-6.58
Sand, medium to coarse, faint banding.	6.71-6.83
Sand, fine to very fine, very uniform.	6.83-7.16
Sand, fine to very fine, very uniform.	7.32-7.77
Sand, fine to very fine, very uniform.	7.92-8.38
Sand, very fine to fine, light brown.	8.53-8.63
Sand, coarse to very coarse. Gravel, very fine.	8.63-8.69
Sand, fine to medium.	8.69-8.75
Sand, fine to medium.	9.14-9.21
Sand, coarse to very coarse. Gravel, fine.	9.21-9.48
Silt and clay, gray.	9.48-9.51
Sand, fine to medium.	9.51-9.63
Sand, fine to medium.	9.75-10.18
Sand, very fine to fine. Sand, medium.	10.36-10.55
Sand, fine to medium to coarse.	10.55-10.76
Sand, fine to medium.	10.97-11.13
PROJECT WELL 952	
Topsoil, sandy, brown.	0.00-0.09
Sand, black, rich, organic.	0.09-0.12
Sand, medium to coarse, red-brown.	0.12-0.52
Sand, medium to coarse.	0.61-0.73
Sand, medium to coarse. Minor gravel, fine.	0.73-0.82
Sand, medium to coarse, dark red. Minor gravel, very fine.	0.82-0.91
Sand, medium to coarse, red-brown.	0.91-1.01
Sand, medium to coarse. Minor gravel, fine.	1.01-1.10
Sand, fine to medium.	1.22-1.34
Sand, medium to coarse. Minor gravel, medium.	1.34-1.49
Sand, coarse to very coarse, dark red.	1.49-1.62
Sand, fine, red-brown. Minor sand, coarse, red-brown.	1.83-1.86
Sand, medium to coarse, light brown.	1.86-1.89
Sand, coarse to very coarse. Minor gravel, fine.	1.89-2.01
Sand, coarse to very coarse, dark red. Minor gravel, fine.	2.01-2.04
Sand, coarse to very coarse, light brown. Gravel, very fine.	2.04-2.13
Sand, medium. Gravel, fine.	2.13-2.16
Sand, medium, fine and coarse.	2.16-2.26
Sand, medium to fine, light brown.	2.44-2.50
Sand, coarse to very coarse. Gravel, very fine.	2.50-2.62

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 952--Continued	
Sand, very coarse, dark brown. Gravel, medium.	2.62-2.68
Sand, medium to very coarse, light brown.	2.68-2.80
Sand, medium to very coarse. Gravel.	3.05-3.14
Sand, coarse to very coarse, red-brown. Medium gravel.	3.66-3.72
Sand, coarse to very coarse, red-brown. Medium gravel.	3.72-3.96
Sand, fine to medium, light brown. Thin layer of sand, very coarse, at 4.33 m.	4.27-4.36
Sand, medium to coarse. Minor sand, very coarse.	4.36-4.42
Sand, coarse to very coarse.	4.42-4.51
Sand, medium to coarse. Minor sand, very coarse.	4.51-4.63
Sand, very fine, gray.	4.88-4.91
Sand, fine, light brown.	4.91-4.94
Sand, medium.	4.94-5.06
Sand, very fine to fine, medium lenses.	5.06-5.24
Sand, medium to fine, light brown.	5.24-5.36
Sand, fine to medium, light brown.	5.49-5.73
Sand, fine to medium, light brown, dark banding.	5.73-5.79
Sand, fine to medium, light brown, darker than at 5.49 m depth.	5.79-5.94
Sand, medium. Minor sand, very coarse.	6.10-6.22
Sand, medium. Minor sand, very coarse, some black bands.	6.22-6.31
Sand, medium. Minor sand, very coarse.	6.31-6.55
Sand, fine to medium. Coarseness increases near bottom of sample.	6.71-6.80
Sand, coarse to very coarse. Coarseness increases near bottom of sample.	6.80-7.01
Sand, fine. Minor sand, coarse.	7.01-7.16
Sand, fine to medium, faint banding throughout.	7.32-7.62
Sand, fine.	7.62-7.65
Sand, fine to medium, faint banding throughout.	7.65-7.80
Sand, fine to medium, faint banding throughout. Coarser near depth 8.23 m.	7.92-8.23
Sand, fine to medium. Minor sand, coarse near depth 8.44 m. Faint banding throughout.	8.23-8.44
Sand, fine to medium.	8.53-8.75
Sand, coarse to very coarse. Minor gravel, fine.	8.75-9.02
Sand, coarse to very coarse. Minor gravel, fine.	9.14-9.17
Sand, medium, light brown.	9.17-9.36
Sand, coarse. Minor sand, medium.	9.36-9.57
Sand, coarse, gray, wet. Pebbles, fine.	9.75-10.06
Sand, coarse, well sorted, gray.	10.36-10.42
Sand, coarse, gray. Pebbles, small.	10.42-10.64
Sand and silt, fine.	10.64-10.76
Sand and silt, very fine, gray-brown.	10.97-11.37
Sand, very fine.	11.58-11.70
Sand, medium to coarse.	11.70-11.73
Sand, very fine.	11.73-11.98
Sand, coarse to very coarse. Gravel, fine.	11.98-12.01
Sand, coarse to very coarse. Gravel, fine.	12.19-12.25
Sand, medium. Minor sand, fine.	12.25-12.34
PROJECT WELL 953	
Topsoil, black, rich in organics.	0.00-0.03
Sand, fine to medium, dark brown.	0.03-0.12
Sand, fine to medium, red-brown.	0.12-0.37
Sand, fine to medium.	0.61-0.76

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 953--Continued	
Sand, fine to medium. Minor sand, very coarse.	0.76-0.85
Sand, medium to coarse.	0.85-1.01
Sand, fine to medium.	1.22-1.28
Sand, coarse to very coarse. Gravel, fine.	1.28-1.55
Sand, fine to medium. Minor sand, coarse, light brown.	1.83-2.01
Sand, coarse to very coarse, dark brown.	2.01-2.10
San, fine to medium, light brown. Minor sand, coarse.	2.10-2.23
Sand, medium.	2.23-2.32
Sand, fine, gray.	2.44-2.45
Sand, fine to gravel, coarse.	2.45-2.77
Sand, fine to gravel, coarse.	3.05-3.17
Silt. Sand, fine.	3.17-3.19
Sand, fine, light brown. Sand, medium.	3.19-3.32
Sand, medium to coarse.	3.32-3.44
Sand, medium. Minor sand, very coarse.	3.66-3.72
Sand, coarse to very coarse. Minor gravel, fine.	3.72-3.96
Sand, coarse to very coarse. Minor gravel, fine.	4.27-4.51
Sand, medium to coarse.	4.51-4.57
Silt and sand, very fine.	4.57-4.60
Sand, fine.	4.60-4.66
Sand, fine to medium.	4.88-4.97
Sand, fine.	4.97-5.06
Sand, fine to medium. Minor sand, coarse.	5.06-5.09
Sand, fine to medium.	5.09-5.30
Sand, fine to medium, light brown.	5.49-5.88
Sand, fine to medium, light brown.	6.10-6.25
Sand, medium to coarse. Minor sand, very coarse.	6.25-6.37
Sand, medium to coarse.	6.37-6.52
Sand, fine to medium.	6.52-6.55
Sand, fine to medium, light red-brown.	6.71-6.83
Sand, fine, light brown, faint banding every 0.15 m.	6.83-7.04
Sand, medium to coarse. Minor gravel, fine.	7.32-7.65
Sand, medium to coarse. Minor gravel, fine.	7.92-8.17
Sand, fine to medium.	8.17-8.35
Sand, fine to medium.	8.53-8.66
Sand, coarse. Minor sand, medium.	8.66-8.99
Sand, medium to coarse.	8.69-9.05
Sand, fine to medium.	9.14-9.45
Sand, medium to coarse.	9.45-9.60
Sand, coarse. Minor sand, very coarse.	9.75-9.81
Sand, coarse, wet. Minor sand, coarse.	9.81-10.18
Sand, fine to medium. Minor sand, coarse.	10.36-10.49
Sand, coarse. Minor sand, very coarse.	10.49-10.52
Sand, fine to medium. Minor sand, coarse.	10.52-10.58
Sand, medium to coarse. Minor sand, very coarse.	10.58-10.76
Sand, medium to coarse.	10.97-11.00
Silt and sand, very fine.	11.00-11.09
Sand, coarse to very coarse. Minor sand, medium.	11.09-11.25
Sand, fine to medium. Minor sand, coarse.	11.25-11.31

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 954	
Topsoil, rich in organics.	0.00-0.06
Sand, dark brown.	0.06-0.09
Sand, fine to medium, red-brown. Minor sand, coarse.	0.09-0.27
Sand, medium to coarse.	0.61-0.76
Sand, fine to medium.	0.76-0.82
Sand, medium to coarse.	0.82-1.19
Sand, medium to coarse. Cobble.	1.22-1.34
Sand, coarse to very coarse, dark red.	1.34-1.37
Sand, medium to very coarse. Gravel, very fine.	1.37-1.49
Sand, fine, light brown. Minor sand, medium.	1.49-1.62
Sand, medium to coarse.	1.62-1.68
Sand, fine to medium.	1.83-1.92
Sand, medium to very coarse.	1.92-2.13
Sand, coarse to very coarse, light brown.	2.44-2.53
Sand, coarse to very coarse, light brown. Minor gravel, fine, darker.	2.53-2.65
Sand, medium to coarse, silt lenses.	2.65-2.77
Sand, medium to coarse.	2.77-2.87
Sand, coarse to very coarse.	3.05-3.11
Sand, fine to coarse.	3.11-3.23
Sand, medium to coarse.	3.23-3.38
Sand, medium to coarse. Gravel, fine to medium.	3.66-4.05
Sand, medium to coarse. Gravel, fine to medium.	4.27-4.57
Sand, medium to coarse.	4.88-4.94
Sand and gravel, medium.	4.94-5.21
Sand, very fine to fine.	5.49-5.55
Sand, fine to medium.	5.55-5.94
Sand, medium, light brown.	6.10-6.46
Sand, coarse to very coarse.	6.46-6.55
Sand, coarse to very coarse. Minor gravel, very fine.	6.71-7.04
Sand, fine to medium, banding in upper 0.06 m.	7.04-7.16
Sand, medium to fine, minor faint banding.	7.32-7.59
Sand, medium to fine, lighter in color, minor faint banding.	7.59-7.80
Sand, fine to medium, faint banding throughout.	7.92-8.44
Sand, fine to medium.	8.53-8.56
Sand, medium. Minor sand, fine and coarse.	8.56-8.69
Sand, fine to medium, faint banding throughout.	8.69-8.93
Sand, medium to very coarse.	8.93-9.02
Sand, coarse to very coarse. Minor gravel, medium.	9.14-9.17
Sand, fine to medium, gray, wet.	9.75-9.81
Sand, fine, gray. Minor sand, medium.	10.36-10.42
Sand, fine, gray. Minor sand, medium.	10.42-10.49
Sand, fine, gray. Minor sand, medium.	10.49-10.55
Sand, fine, gray. Minor sand, medium.	10.55-10.61
Sand, fine, gray. Minor sand, medium.	10.61-10.67
Sand, fine, gray. Minor sand, medium.	10.73-10.79
Sand, fine, gray. Minor sand, medium.	10.85-10.91
Sand, fine, gray. Minor sand, medium.	10.91-10.94
Sand, fine, gray. Minor sand, medium.	10.97-11.03
Sand, fine. Minor sand, medium.	11.03-11.09
Sand, fine. Minor sand, medium.	11.09-11.16

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 954--Continued	
Sand, fine. Minor sand, medium.	11.16-11.22
Sand, fine. Minor sand, medium.	11.22-11.28
Sand, fine. Minor sand, medium.	11.34-11.40
Sand, fine. Minor sand, medium.	11.40-11.46
Sand, fine. Minor sand, medium.	11.46-11.55
Sand, fine to medium.	11.58-11.64
Sand, fine to medium.	11.64-11.70
Sand, fine to medium.	11.70-11.77
Sand, fine to medium.	11.77-11.83
Sand, fine to medium.	11.83-11.89
Sand, fine to medium.	11.89-11.95
Sand, fine to medium.	11.95-12.01
Sand, very fine to fine.	12.19-12.25
Sand, very fine to fine.	12.25-12.31
Sand, very fine to fine.	12.31-12.38
Sand, very fine to fine.	12.38-12.44
Sand, very fine to fine.	12.44-12.50
Sand, very fine to fine.	12.50-12.56
Sand, very fine to fine.	12.56-12.62
PROJECT WELL 956	
Sand, oily.	0.00-0.61
Sand, medium to very coarse, dark brown, oily.	0.61-0.73
Sand and wood.	0.73-0.79
Sand, medium to very coarse, oily. Gravel, fine, oily.	0.79-0.83
Sand, medium to very coarse, lighter in color, oily. Gravel, fine, oily.	0.85-0.91
Sand, very fine to fine, gray.	0.91-0.94
Gravel, coarse to very coarse.	0.94-1.01
Sand, coarse to very coarse. Gravel, fine to medium.	1.22-1.34
Sand, coarse to very coarse.	1.83-1.86
Sand, fine to medium.	1.86-1.92
Sand, medium to coarse. Minor sand, very coarse.	1.92-2.10
Sand, very fine to fine.	2.10-2.12
Sand, coarse to very coarse.	2.12-2.16
Sand, medium to coarse. Minor sand, very coarse.	2.16-2.26
Sand, medium to very coarse. Gravel, medium.	2.44-2.68
Sand, very fine, gray.	3.05-3.23
Sand, coarse. Minor sand, fine.	3.23-3.41
Sand, medium. Minor sand, coarse.	3.66-3.72
Sand, fine to medium, light brown.	4.27-4.42
Sand, medium.	4.42-4.48
Sand, medium. Minor sand, coarse. Minor charcoal.	4.48-4.54
Sand, medium. Minor sand, coarse.	4.54-5.79
Sand, medium. Minor sand, coarse.	4.88-4.91
Sand, coarse. Gravel, coarse.	4.91-4.94
Silt to sand, very fine.	4.94-5.03
Sand, very fine to fine.	5.03-5.18
Silt, wet.	5.18-5.33
Silt. Minor sand, very fine.	5.49-5.91
Sand, very coarse. Gravel, fine.	5.91-5.94

Table 8.--Geologic logs of observation wells and test holes--Continued

Geologic log	Depth below land-surface datum (m)
PROJECT WELL 956--Continued	
Sand, medium. Gravel, coarse.	6.10-6.40
Sand, medium. Gravel, fine.	6.40-6.46
Sand, coarse to very coarse.	6.71-6.89
Sand, coarse to very coarse.	7.01-7.62

[1] Measurements of depth below land surface datum are tabulated to one centimeter. Geologic logs less than one centimeter thick are shown as having the same depth below land surface for top and bottom.

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