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CHRIS L. WHEELER
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GROUND-WATER DATA IN THE
CORVALLIS-ALBANY AREA,
CENTRAL WILLAMETTE
VALLEY, OREGON

BY

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GROUND-WATER DATA IN THE CORVALLIS-ALBANY AREA, CENTRAL WILLAMETTE
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By F. J. Frank and Nyra A. Johnson

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INTRODUCTION

Purpose of This Report and its Relation to Other Studies

Progressively greater quantities of ground water are being required for industrial, irrigation, suburban, and domestic supplies in the Corvallis-Albany area. This increasing use of water requires a better understanding of the occurrence, availability, and quality of the water resources of the area. To meet this need, the U.S. Geological Survey, in cooperation with the office of the Oregon State Engineer, made a hydrologic study of the Corvallis-Albany area.

An important part of any ground-water resources study is the collection and compilation of data on existing wells. When integrated with data on streamflow, geology, and climatology, this information forms the basis for evaluating the ground-water resources of a given area.

The purpose of this report is to make available, in advance of the final interpretive report, basic records of representative existing wells, water levels, and chemical quality of the ground water. The basic-data report will continue to be useful because it contains many data that will be omitted from the final interpretive report planned for publication as a U.S. Geological Survey water-supply paper.

Several previous ground-water studies are related to the Corvallis-Albany project. The area is included in a report on the ground-water resources of the Willamette Valley by Piper (1942). The Oregon State Engineer has published records of wells, water levels, and chemical quality of ground water for several areas in the northern, southern, and middle Willamette Valley. Among these areas are: French Prairie (Price, 1961), Molalla-Salem Slope (Hampton, 1963), Eola-Amity Hills (Price and Johnson, 1965), the lower Santiam River basin, middle Willamette Valley (Helm, 1968), and the Eugene-Springfield area, southern Willamette Valley (Frank and Johnson, 1970).

Hydrographs of representative wells in Oregon appear in annual reports prepared by the State Engineer's office (Sceva and DeBow, 1964, 1965, 1966; Bartholomew and DeBow, 1967, 1970). Three of these representative wells are in the Corvallis-Albany area, and hydrographs of these three wells are among the nine hydrographs included in figure 3 of this report.

Location and Description of the Area

The Corvallis-Albany area lies between long $123^{\circ}25'$ on the west, long $122^{\circ}55'30''$ on the east, lat $44^{\circ}41'$ on the north, and lat $44^{\circ}28'30''$ on the south. The area is part of a broad alluvial plain which lies between the Cascade and Coast Ranges in the central Willamette Valley and includes that part of the valley adjacent to the lower Santiam Basin. The location and boundaries of the study area are shown in figure 1.

Occurrence and Availability of Ground Water

Most of the high-yield wells in the area produce water from alluvial (sand and gravel) aquifers that underlie the main valley plain or that are coextensive with the present flood plain of the Willamette River.

The oldest rocks in the area are of volcanic origin and consist of pillow lavas and basalt flows with interbedded tuffaceous sandstone and shale. These volcanic rocks comprise the uplands and part of the foothills near Philomath and Corvallis, and yield small quantities of water usually adequate for domestic use.

Other older sedimentary rocks form part of the foothills near Corvallis, the foothills and uplands north of Albany, and the foothills in the southeast corner of the area, and pass beneath the main valley plain. These rocks consist of marine sandstone and shale. In the upland and foothill parts of the area, wells that tap these deposits generally produce small quantities of good-quality water adequate for domestic uses. Water from wells drilled into the marine deposits beneath the main valley plain may be of poor quality and locally may be too saline for most uses.

ACKNOWLEDGMENTS

Thanks are extended to well owners and operators, whose cooperation aided in the collection of the basic data used to compile this report. Special thanks are given to the drillers who furnished records of wells and other information about the water-yielding characteristics of rocks in the area.

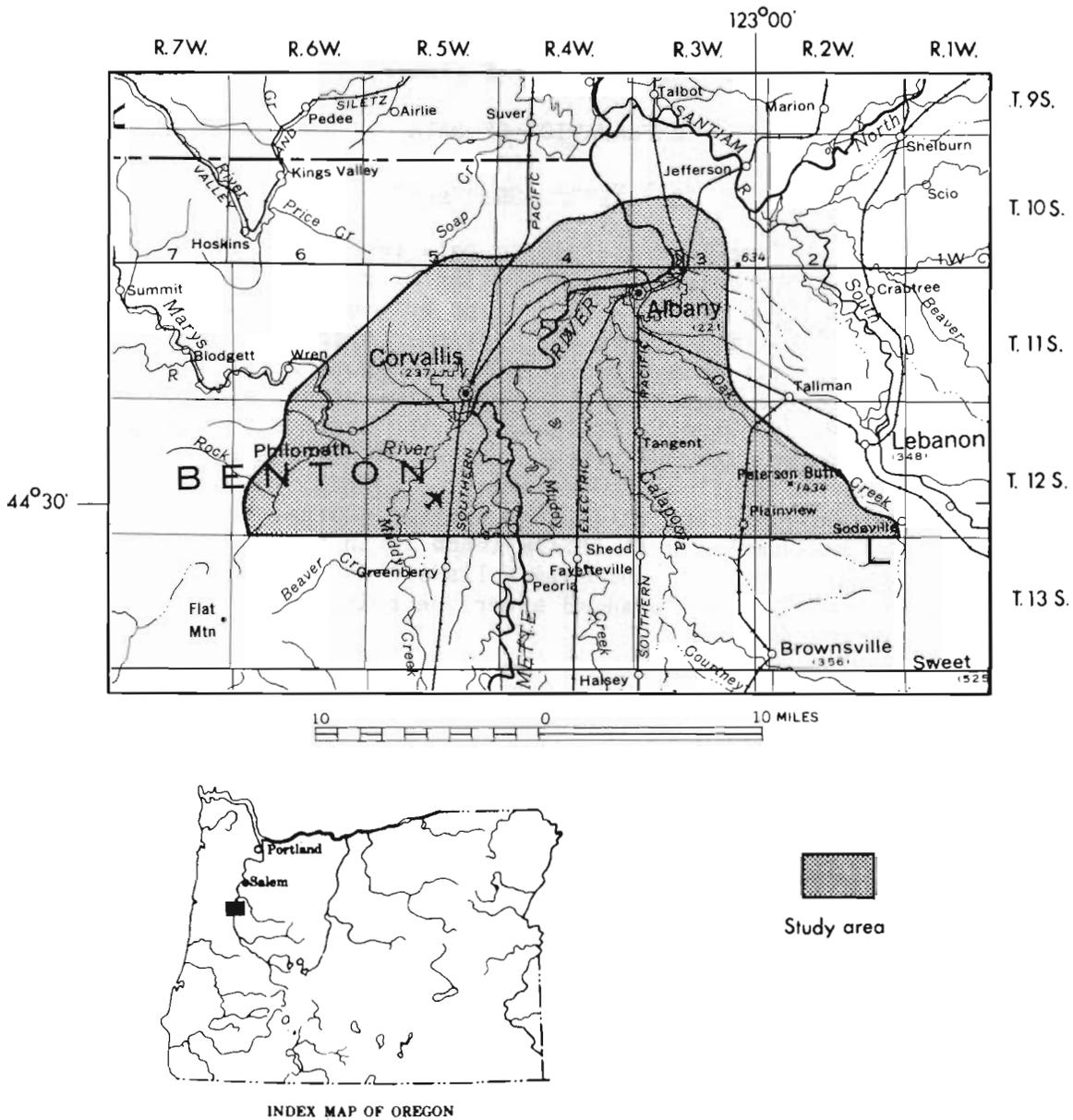


Figure 1.--Map showing location and general features of the Corvallis-Albany area.

This report was prepared by the U.S. Geological Survey under the general supervision of Stanley F. Kapustka, district chief of the Water Resources Division in Oregon. The project is part of a continuing co-operative program of water-resources investigations between the U.S. Geological Survey and the Oregon State Engineer.

EXPLANATION OF DATA

Well-Numbering System

Designations of wells discussed in this report are based on the official system for rectangular subdivision of public lands. The number indicates the location of the well or test hole by township, range, section, and its position within the section. A graphic illustration of this method of well numbering is shown in figure 2. The first numeral indicates the township; the second, the range; and the third, the section in which the well is located. The letters following the section number locate the well within the section. The first letter denotes the quarter section (160 acres); the second, the quarter-quarter section (40 acres); and the third, the quarter-quarter-quarter section (10 acres). For example, well 11S/3W-16dcb is in $NW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$ sec. 16, T. 11 S., R. 3 W. Where two or more wells are in the same 10-acre subdivision, serial numbers are added after the third letter.

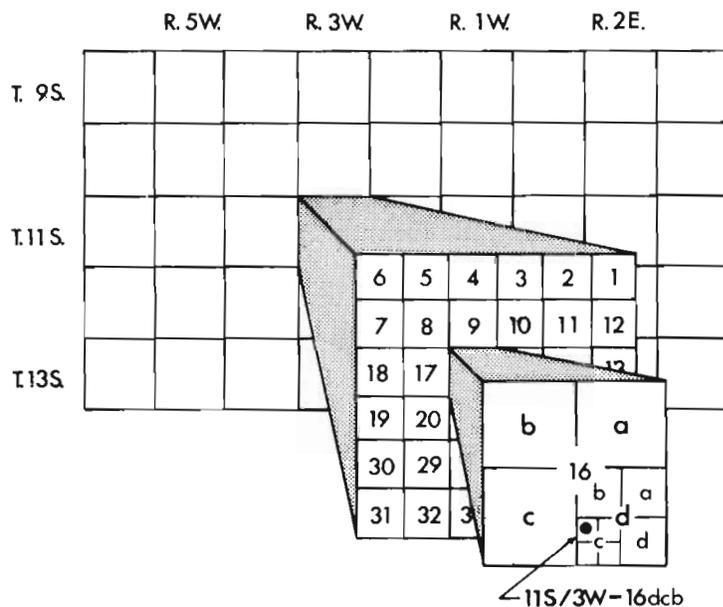


Figure 1.--Well-numbering system.

Hydrographs of Wells

Hydrographs in figure 3 show fluctuations of water levels during 1962-72 in nine selected wells. Rising water levels on the hydrographs indicate periods when more water was added to the reservoir than was discharged; declining water levels indicate periods when more water was discharged from the reservoir than was added. As the hydrographs in figure 3 show, water levels are highest during the wet winter and spring months and lowest during the dry summer and autumn months.

Records of Wells

Table 1 contains 415 representative wells whose locations are shown on plate 1. Most of the well data were obtained from well-drillers' reports submitted to the office of the Oregon State Engineer; some of the data were supplied by the well owners or operators.

In the "Use" column of table 1, only the principal uses of the well waters are given. The public-supply wells listed include those that supply water for schools, municipalities, water districts, and subdivisions.

Specific conductance (tables 1, 3), expressed as micromhos per centimeter at 25°C, is a measure of the ease with which electricity will pass through water and is a rough measure of the dissolved-solids content of water. Most water that occurs naturally will conduct an electrical current. Conductivity depends mainly on the number and kinds of ions in solution and on the temperature of the water.

Drillers' Logs of Wells

Table 2 contains lithologic logs of wells. Nearly all the logs were obtained from drillers' reports submitted to the Oregon State Engineer. Descriptions of the rock materials penetrated vary depending on the terminology of the person compiling the log. For example, compacted clay may be called "clay," "shale," or "hardpan." Compacted gravel and clay may be referred to as "cemented gravel," "dirty gravel," "clay and gravel," or "conglomerate." Weathered consolidated rocks may be labeled "broken rock," "boulders," "conglomerate," or "clay," depending on the stage of weathering. In this report, the logs have been edited for consistency of presentation but have otherwise remained unchanged.

Altitudes given in the well logs have been interpolated from topographic maps.

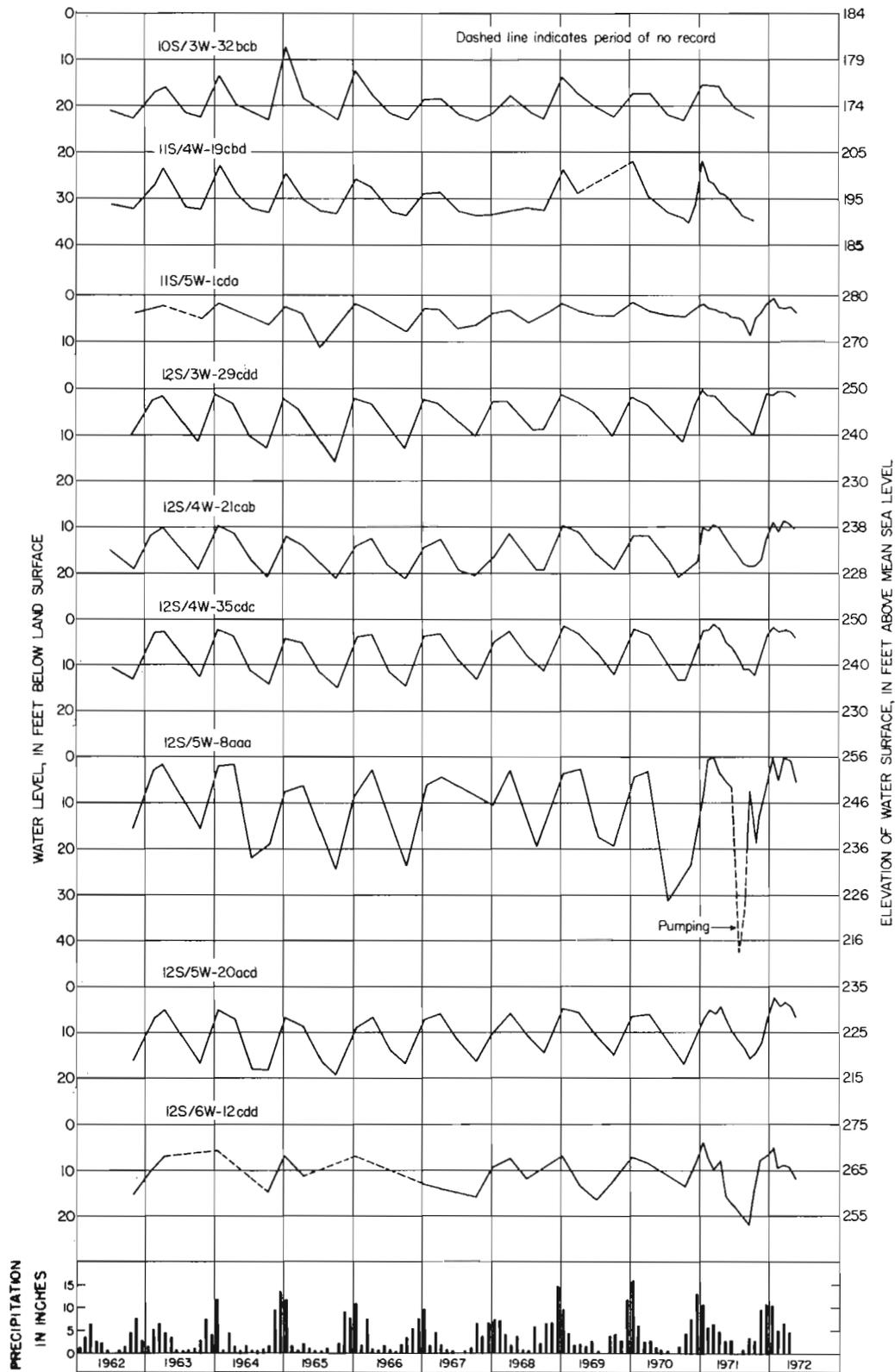


Figure 3.--Hydrographs of nine selected wells in the study area, and monthly precipitation at Corvallis, 1961-72.

Chemical Quality of the Ground Water

Table 3 presents 27 well-water analyses, 21 of which were made by the U.S. Geological Survey and the rest by commercial or State laboratories. Concentrations of dissolved mineral constituents are reported in milligrams per liter, a weight per volume measurement. For example, 1 milligram per liter is equivalent to about 8.33 pounds per million gallons of water.

REFERENCES

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- _____ 1965, Ground-water levels, 1964: Oregon State Engineer Ground Water Rept. 5, 109 p.
- _____ 1966, Ground-water levels, 1965: Oregon State Engineer Ground Water Rept. 9, 111 p.

Table 1.--Records of wells in the Corvallis-Albany area

Well number: See p. 4 for description of well-numbering system.
 Type of well: Dr, drilled; Dv, driven; Dg, dug; B, bored.
 Finish: B, open bottom (not perforated or screened); Sc, screened; P, perforated.
 Altitude: Altitude of land surface at well, in feet above mean sea level, interpolated from topographic maps.
 Water level: Depths to water given in feet and decimals were measured by the Geological Survey; those in whole feet were reported by others or estimated.
 Specific conductance of water: Field determination, in micromhos at 25°C.

Type of pump: C, centrifugal; J, jet; S, submersible; P, piston; T, turbine; N, none.
 Well performance: Yield in gallons per minute, and drawdown in feet below nondischarging water level, reported by owner, operator, driller, or pump company.
 Use: D, domestic; PS, public supply; Ir, irrigation; In, industrial; S, stock; A, air conditioning; F, fire; T, test; N, none.
 Remarks: Ca, chemical analysis of water in table 3; H, hydrograph in fig. 3; L, driller's log of well in table 2; P or B, pumped or bailed, for the indicated number of hours, when drawdown was measured. Remarks on adequacy, dependability, and general quality are reported by owners, tenants, drillers, or others.

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|-------------------|---------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|---------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 10 S., R. 3 W. | | | | | | | | | | | | | | | | | | | |
| 28bcd | Boise Cascade Corp. | Dr | 1959 | 80 | 6 | -- | P, 34-50 | 30 | 20 | Sand | 250 | 15 | 4-15-59 | -- | T, 5 | 50 | 30 | In | P 3 hr, L. |
| 28ccd | Willamette Memorial Park | Dr | 1934 | 55 | 4 | -- | -- | -- | -- | do | 244 | 11.53 | 10-1-70 | -- | N | -- | -- | -- | Reported to have very low yield. |
| 28dca | Shell Oil Co. | Dr | 1959 | 185 | 6 | 185 | -- | 100 | 45 | Sandstone | 242 | 39.90 | do | -- | J, 2 | 2½ | -- | In | B, L. |
| 30dbc | Springhill Country Club | Dr | 1964 | 35 | 10 | 35 | P, 18-30 | 18 | 13 | Sand and gravel | 190 | 17.23 | 10-28-70 | -- | C, 10 | 400 | 13 | Ir | P, L. |
| 31acc | J. W. Arrington | Dr | 1960 | 36 | 6 | 32 | P, 24-32 | 22 | 14 | do | 200 | 17 | 7-16-60 | 790 | J | 30 | -- | D | L. |
| 31bda | Springhill Country Club | Dr | 1964 | 40 | 8 | 36 | P, 25-36 | 25 | 11 | do | 198 | 18 | 10-15-64 | -- | S | 85 | 3 | D | B 1 hr, L. |
| 31dab | Strawberry Acres Water System | Dr | 1964 | 38 | 10 | 38 | P, 26-38 | 20 | 16 | Gravel | 195 | 14.52 | 3-30-71 | 400 | S, 15 | 70 | 10 | PS | P 2 hr. Serves as water supply for 12 homes. |
| 31dbc1 | Country Village Water System | Dr | 1967 | 130 | 12 | 40 | P, 25-37 | 25 | 35 | Sand and claystone | 205 | 14 | 5-30-67 | -- | N | 90 | 100 | N | P 2 hr, L. Well reported to yield salty water at 85-ft depth. Casing pulled and abandoned. Three other 30-ft 12-in. wells drilled at this location had inadequate water supply and were abandoned. |
| 31dbd1 | do | Dr | 1967 | 75 | 12 | 29 | P, 21-26 | 17 | 7 | Gravel | 190 | 7.42 | 3-30-71 | -- | S | 90 | 1 | PS | P 2 hr, L. This well and 2 other 12-in. wells about 30 ft in depth serve as water supply for 30 homes. |
| | | | | | | | | 24 | 3 | Sand and gravel | | | | | | | | | |
| 31dcd | Orchard Park Water System | Dr | -- | -- | -- | -- | -- | -- | -- | do | 200 | -- | -- | 290 | -- | -- | -- | PS | Water supply for 37 homes, Ca. |
| 31dce | Rolling Greenacres Water System | Dr | -- | 35 | 10 | 35 | P | -- | -- | do | 195 | -- | -- | 360 | S, 10 | -- | -- | PS | Water supply for 39 homes, Ca. |
| 32beb | D. E. Nebergall | Dr | -- | 90 | 10 | -- | -- | -- | -- | -- | 194 | 14.66 | 3-30-71 | -- | T, 5 | -- | -- | N | H. |
| 32bcd | R. V. Kenagy | Dr | 1969 | 45 | 8 | 41 | P, 24-39 | 25 | 14 | Sand and gravel with clay | 200 | 25 | 6-1-69 | -- | S | 60 | 5 | D | B 2 hr, L. |
| 32bda | Cooley's Dairy | Dr | 1969 | 60 | 6 | 45 | P, 35-43 | 30 | 15 | Sand and gravel | 190 | 28.70 | 10-28-70 | -- | S | 30 | 10 | D | Do. |

Table 1.--Records of wells in the Corallia-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|--|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|-----------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 10 S., R. 3 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 32cbc | Evergreen Acres Water System | Dr | -- | -- | -- | -- | -- | -- | -- | Sand and gravel | 200 | -- | -- | 248 | T, 25 | -- | -- | PS | Ca. Water supply for 50 homes. |
| 33cad | Wah Chang Corp. | Dr | 1947 | 90 | 6 | -- | -- | -- | -- | -- | 215 | 20.94 | 10- 5-70 | -- | N | 50 | -- | N | |
| 33dbb2 | George Settlement | Dr | 1957 | 75 | 8 | 58 | P, 52-57 | 25 | 23 | Clay and gravel | 212 | 18.05 | 10- 1-70 | -- | C, 1 | 15 | 55 | D | L. |
| 34ccc | A. L. Wallace | Dr | 1946 | 54 | 1½ | -- | -- | -- | -- | Sand and gravel | 220 | 8 | -- | 240 | C, 1/3 | -- | -- | D | |
| T. 10 S., R. 4 W. | | | | | | | | | | | | | | | | | | | |
| 25bdd | J. L. Lindquist | Dr | 1959 | 184 | 6 | 88 | P, 81-87 | 81 | 6 | Sandstone | 375 | 70 | 3-13-59 | 280 | S, 1 | 10 | 100 | D | B, L. |
| 25ddd1 | Parker-Oak Grove Water Improvement Dist. | Dr | 1959 | 30 | 12 | 30 | P, 23-30 | 16 | 14 | Sand and gravel | 190 | 9.00 | 3-29-71 | 736 | T, 50 | 750 | 6 | PS | P 3 hr, L, Ca. Water supply for 307 homes. Another 30-ft well nearby used for auxiliary supply. |
| 25ddd2 | do | Dr | 1963 | 30 | 12 | 30 | P, 23-29 | 18 | 12 | do | 190 | 9.20 | do | -- | T, 50 | 650 | 2 | PS | P 2 hr. Used as auxiliary well for Parker-Oakgrove system. |
| 25ddd3 | Riverview Water Service Corp. | Dr | 1963 | 33 | 12 | 33 | P, 27-32 | 16 | 17 | Gravel and sand | 190 | 12.74 | 3- 1-71 | 430 | T | 600 | 18 | PS | P 2 hr, L. |
| 33aad | Louis Kutsch | Dr | 1957 | 30 | 10 | 26 | P, 19-25 | 20 | 10 | do | 265 | 5 | 3- 5-57 | -- | -- | 10 | 18 | D | B. |
| 33baa | Myron Kutsch | Dr | 1969 | 125 | 6 | 29 | B | -- | -- | Shale | 255 | 20.19 | 10-27-71 | 660 | S, ½ | 8 | 100 | D | B 1 hr, L. |
| 34aca | H. L. Ropp | Dr | 1969 | 100 | 6 | -- | B | -- | -- | -- | 240 | 29.78 | 10-27-70 | 260 | S, ½ | -- | -- | D | |
| 35aba | Edward Steeprow | B | 1967 | 40 | 30 | 40 | P, 20-40 | 18 | 12 | Sand and clay | 302 | 17.09 | do | -- | J, 3/4 | 20 | -- | D | B 1 hr, L. |
| 35acc | Howard Ochse | Dr | 1956 | 100 | 6 | 36½ | P, 24-36 | 25 | 10 | do | 283 | 11 | 8-21-56 | -- | N | 6 | 80 | N | Do. |
| 35cad | Edgar Hummingson | Dr | 1959 | 26 | 6 | 26 | P, 21-26 | 22 | 4 | Gravel and sand | 287 | 8 | 7-15-59 | -- | C, ½ | 4 | 23 | D | P 6 hr. |
| 36ddd | Frank Merrill | Dr | 1969 | 70 | 6 | 61 | P, 51-59 | 47 | 13 | Sand | 200 | 17 | 5- 7-69 | -- | -- | 40 | 10 | D | B 2 hr, L. |
| T. 11 S., R. 3 W. | | | | | | | | | | | | | | | | | | | |
| 3ccb | Terry Norris | Dr | 1962 | 25 | 6 | -- | -- | -- | -- | Sand and gravel | 227 | 9.85 | 9-30-70 | 210 | C, 1/3 | -- | -- | D | |
| 4acb | A. M. Ropp | Dr | 1961 | 59 | 6 | 59 | B | 35 | 10 | do | 215 | 7 | 1-21-61 | 143 | J, ½ | 40 | 13 | D | B 1 hr, L, Ca. |
| 4bcc | Waverly Masonic Cemetery | Dr | 1963 | 63 | 6 | 63 | P, 59-62 | 28 | 35 | do | 215 | 20.10 | 10- 2-70 | 240 | S, 2 | 35 | 25 | Ir | B 1 hr, L. |
| 5bdb | Redeturf, Inc. | Dr | 1969 | 36 | 10 | 33 | P, 19-31 | 19 | 14 | do | 187 | 19.17 | 10- 6-70 | -- | C | 600 | 20 | Ir | P ½ hr. |
| 5dcd | Tops Restaurant | Dr | 1958 | 50 | 6 | 50 | P, 32-39 | 25 | 25 | do | 220 | 8 | 1-19-58 | -- | J, 3 | 40 | 12 | A | P 2 hr, L. |
| 6aab | Redeturf, Inc. | Dr | -- | 26 | 10 | 26 | -- | -- | -- | do | 195 | 14.34 | 10- 6-70 | -- | C, 15 | -- | -- | Ir | |

6

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|----------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|--------------------------|-----------------------|------------------|------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 3 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 6aba | Golf Club Addition Water System | Dr | -- | 40(?) | 10(?) | -- | P | -- | -- | Sand and gravel | 205 | -- | -- | -- | T, 15 | -- | -- | PS | Serves as water supply for 29 homes. |
| 6add | Redeturf, Inc. | Dr | 1969 | 44 | 12 | 42 | P, 28-40 | 18 | 23 | do | 190 | 23 | 7-22-69 | -- | C, 50 | 110 | 6 | Ir | P 1 hr, L. |
| 7dcb2 | E. S. Dirrett | Dr | 1966 | 51 | 6 | 51 | P, 39-49 | 30 | 21 | do | 225 | 22 | 8- 3-66 | -- | -- | 48 | 5 | D | B 1 hr, L. |
| 8adcl | Alan Hylton | Dr | -- | 32 | 6 | -- | -- | -- | -- | do | 227 | 14.49 | 10- 2-70 | -- | C, 2 | -- | -- | Ir | |
| 8ccb | Allan Steen | Dr | 1964 | 57.5 | 6 | 56 | P, 46-56 | 25 | 22.5 | do | 227 | 15 | 5-10-64 | -- | J, ½ | 45 | -- | D | B 1 hr, L. |
| 8dbb | M. L. Cooley | Dr | 1949 | 89 | 8 | 75 | P | 19 | 50 | do | 223 | 13.56 | 10- 5-70 | -- | J, 2 | 48 | -- | N | L. |
| 9ada | Eugene Spear | Dr | 1961 | 70 | 6 | 70 | P, 66-69 | 25 | 29 | do | 223 | 10.69 | 11-10-65 | -- | J, 1 | 70 | 59 | D | Do. |
| 9caa | Royal Enco | Dr | -- | 45 | 6 | -- | -- | -- | -- | do | 235 | 21.69 | 9-30-70 | -- | J, 1 | -- | -- | D | |
| 9ddd | Al Mitchell | Dr | 1966 | 146 | 10 | 145 | P, 63-82, 126-143 | 18 | 60 | do | 240 | 18.44 | do | -- | S | 275 | 63 | D | P 3 hr, L. |
| 16cac | Percy Heyerly | Dr | 1948 | 138 | 8 | 130 | P | -- | -- | do | 237 | 14.55 | do | -- | C, 7.5 | 215 | 10 | Ir | |
| 16dcb | Grand Prairie School | Dr | 1959 | 86 | 8 | 80 | P | 25 | 30 | do | 240 | 22 | 9-11-59 | -- | J, 2 | 85 | -- | PS | |
| 17acd | Bonita Niel | Dr | 1953 | 50 | 8 | -- | -- | -- | -- | do | 226 | 12.15 | 10- 6-70 | -- | C, 3 | 48 | -- | Ir | |
| 17bda | J. T. Anderson | Dr | 1960 | 70 | 6 | 66 | P, 32-38, 58-64 | 29 | 37 | do | 229 | 12 | 2- 9-60 | 330 | C, 1½ | 40 | 1/2 | D | P 2 hr, L, Ca. |
| 17bdb | J. B. Yelton | Dr | 1949 | 129 | 6 | 129 | -- | -- | -- | do | 223 | 14.50 | 10- 2-70 | 305 | C, 2 | 75 | -- | Ir | Ca. |
| 18abc | W. H. Dolmyer | Dr | 1969 | 59 | 6 | 59 | P, 48-57 | 30 | 29 | do | 228 | 20 | 9-23-69 | -- | -- | 50 | -- | D | B 1 hr, L. |
| 19baa | Oregon Metallurgical Corp. | Dr | 1970 | 200 | 12 | 192 | P, 177-192 | 29 | 90 | Sand, clay, and gravel | 225 | 12 | 5-28-70 | 301 | S, 25 | 500 | 100 | In | P 3 hr, L, Ca. Well reported to pump some sand. |
| 19bab2 | do | Dr | 1969 | 160 | 12 | 159 | P, 40-45, 95-100 146-159 | 175 30 | 7 61 | do | 226 | 7 | 7- 6-69 | -- | S | 390 | 113 | In | P 3 hr, L. |
| 20caa | Mrs. W. G. Smith | Dr | -- | 100 | 12 | -- | -- | -- | -- | do | 235 | 19.20 | 10- 1-70 | -- | T, 3 | -- | -- | PS | Water supply for a trailer park. |
| 20dba | Jesse Grieser | Dr | 1949 | 113 | 8 | 113 | -- | -- | -- | do | 235 | 25 | 1949 | -- | T, 15 | 183 | 28 | Ir | |
| 21abb | Grand Prairie Water Supply Corp. | Dr | 1962 | 123 | 10 | 100 | -- | 20 | 15 | do | 238 | 10 | 7-28-62 | -- | T, 7½ | 500 | 40 | PS | P 4 hr, L. Serves as community water supply. |
| 21cdd | E. E. Lansing | Dr | -- | 116 | 6 | -- | -- | -- | -- | do | 245 | 20.55 | 9-23-70 | -- | S, 1½ | -- | -- | Ir | |
| 21ddd | Norman Steckley | Dr | 1967 | 200 | 10 | 185 | P, 169-185 | 30 | 45 | do | 255 | 18.77 | 9-30-70 | -- | S | 165 | 160 | Ir | P 2 hr. |
| 28bad | Merlin Foster | Dr | 1965 | 66 | 8 | 64 | P, 24-44, 54-64 | 19 | 47 | do | 245 | 5 | 6-15-65 | -- | T, 7½ | 50 | 17 | Ir | Do. |
| 28dbb | Glen Henshaw | Dr | 1970 | 76 | 6 | 74 | -- | -- | -- | do | 250 | 15.93 | 9-23-70 | -- | S, 1 | -- | -- | D | |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|-------------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|-----------------|-----------------------|------------------|--|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 3 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 28dcd | Paul Stutzman | Dr | 1948 | 118 | 6 | 40 | -- | -- | -- | Sand and gravel | 255 | 19.62 | 9-23-70 | 440 | S, 1½ | -- | -- | D | |
| 29dac | H. L. Kropf | Dr | 1951 | 72 | 8 | 72 | -- | -- | -- | do | 248 | 16.58 | 9-29-70 | -- | N | 125 | 32 | N | |
| 30adb | Kenneth Cowgill | Dr | 1961 | 40 | 6 | -- | -- | -- | -- | do | 237 | 16.17 | do | -- | S | -- | -- | D | |
| 31caa | Oren Griffith | Dr | 1936 | 42 | 8 | 42 | -- | -- | -- | do | 240 | 12.13 | do | -- | N | 150 | 28 | N | |
| 32acb | C. D. Hedy | Dr | -- | 52 | 4 | -- | -- | -- | -- | do | 248 | -- | -- | 320 | J, ½ | -- | -- | D | |
| 32bab | H. W. Ehrlich | Dr | 1952 | 122 | 10 | 102 | P | 50 | 40 | do | 243 | 35 | 1952 | -- | T, 10 | 300 | 57 | F | L. |
| 33caa | Rem Metals Corp. | Dr | 1968 | 203 | 12 | 182 | P, 33-175 | 23 | 155 | Gravel and sand | 259 | 12 | 7-11-68 | 252 | T, 40 | 75 | 30 | In | B 1 hr, L, Ca. |
| 34ccb | Kenneth Roth | Dr | -- | 50 | 6 | -- | -- | -- | -- | Sand and gravel | 265 | -- | -- | 400 | J, ½ | -- | -- | D | |
| T. 11 S., R. 4 W. | | | | | | | | | | | | | | | | | | | |
| 1aac1 | Gibson Hill Water Improvement Dist. | Dv | 1935 | 28 | 2 | 28 | -- | -- | -- | Gravel and sand | 200 | -- | -- | -- | C, 10 | -- | -- | PS | Four wells with two well connections to a single pump. |
| 1aac2 | do | Dr | 1966 | 47 | 8 | 35 | P, 24-33 | -- | -- | Gravel | 205 | 26 | 8-17-66 | -- | T, 10 | -- | -- | PS | This well with the four small-diameter wells listed above constitute the water supply for 52 homes. L. |
| 1baa | R. F. Middelburg | Dr | 1959 | 68 | 6 | 30 | B | 20 | 9½ | Sand and clay | 195 | 15 | 6-30-59 | -- | -- | 35 | 15 | D | B 2 hr. |
| 1cdb | Lynn Hoefer | -- | -- | -- | -- | 10 | -- | -- | -- | -- | 190 | 14.53 | 10- 7-70 | -- | C, 15 | -- | -- | Ir | |
| 1ddd1 | Raybar Eldg. | -- | 1921 | 242 | 3 | -- | -- | 240+ | -- | Shale | 210 | -- | -- | -- | N | 2½ | -- | N | Well 468 in WSP 890; old creamery well. |
| 1ddd3 | do | -- | 1938 | 210 | 12 | -- | -- | -- | -- | -- | 210 | -- | -- | -- | -- | 10 | -- | N | L. Well 470½ in WSP 890. |
| 2bad | Ed Bennett | Dr | 1962 | 281 | 8 | 19 | B | -- | -- | Sandstone and shale | 425 | 198 | 3-17-62 | -- | T, 20 | 460 | 38 | Ir | P 2 hr, L. Used to irrigate 7½ acres of golf course. |
| 4bca | J. H. Biegel | Dr | 1967 | 26 | 6 | 22 | B | -- | -- | Gravel | 210 | 18 | 10-26-70 | -- | S, ¾ | 40+ | 14 | D | B 1 hr. |
| 4cad | John Fortner | Dr | 1968 | 105 | 6 | 80 | B | -- | -- | Claystone | 210 | 18 | 10-29-68 | -- | -- | 13 | 74 | D | B 1 hr, L. |
| 5acc | M. S. Newton | Dr | 1966 | 52 | 10 | 28 | P, 28-38 | 24 | 12 | Gravel and sand | 220 | 14.53 | 10-26-70 | -- | N | 100 | 19 | Ir | P 5 hr, L. |
| 5cdd | Oregon State Experiment Farm | Dr | 1957 | 103 | 8 | 61 | P, 48-55, 57-59 | 40 58 78 | 18 3 10 | Gravel Sand and gravel Clay and gravel | 227 | 40 | 10-23-70 | -- | T, 20 | 260 | 13 | Ir | P 3 hr, L, H. |
| 5ddb | do | Dr | 1957 | 105 | 8 | 65 | P, 57-65 | 39 | 16 | Sand and gravel | 228 | 37 | do | -- | T, 15 | 200 | 29 | Ir | P 3 hr. |
| 7bcc | R. L. Kramer | Dr | 1964 | 85 | 6 | 18½ | B | -- | -- | Shale | 240 | 37 | 6-13-64 | 380 | S, 1 | 35 | 20 | D | B 1 hr, L. |
| 7dab | Oregon State Univ. | Dr | 1964 | 70 | 8 | 57 | P, 42-57 | 36 | 20 | Gravel | 225 | 27 | 7-23-64 | -- | T, 7½ | 115 | 33 | Ir | P 1 hr. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|-------------|--------------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|-----------------|-----------------------|------------------|------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-------|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| 8aab | Oregon State Univ. | Dr | 1957 | 105 | 8 | -- | -- | -- | -- | Clay, sand, and gravel | 225 | 39 | 1- -57 | -- | N | 40 | 109 | N | L. Yield inadequate for irrigation. Well abandoned. |
| 8cbb | do | Dr | 1964 | 74 | 8 | -- | -- | -- | -- | do | 228 | 30 | 6- 2-64 | -- | N | 50 | 44 | T | P 2 hr. Well abandoned. |
| 9aca | North Albany Water Improvement Dist. | Dr | -- | -- | 14 | -- | -- | -- | -- | Sand and gravel | 190 | -- | -- | 260 | T, 25 | -- | -- | PS | Water supply for 30 homes. |
| 10aac | R. B. Kleinke | Dr | 1960 | 47 | 6 | 42½ | P, 32½-42½ | 32 | 13 | Gravel | 194 | 25 | 10-26-60 | -- | J, ½ | 60 | -- | D,PS | B, L. |
| 11bdb | Albany Sand & Gravel | Dr | 1957 | 42 | 10 | 37 | -- | -- | -- | do | 190 | 21.5 | 11-15-57 | -- | S, 15 | 200 | 2 | In | P 1 hr. |
| 12bda | Riverside Cemetery Assoc. | Dr | 1957 | 125 | 8 | 43 | B | -- | -- | Sandstone | 225 | 92 | 1957 | -- | T, 5 | -- | -- | Ir | Pumps air. Runs 11 8-gpm nozzle sprinklers. |
| 12ccd1 | Bonneville Power Adm. | Dr | 1949 | 250 | 6 | 92 | B | 180 | -- | Shale | 215 | 35 | 9-23-49 | -- | N | 4 | 165 | N | L. Well abandoned. |
| 12ccd2 | do | Dr | 1949 | 36 | 6 | 35 | -- | 30 | 4 | Gravel | 215 | 15 | 10- 3-49 | -- | T, 2 | 15 | 15 | N | Do. |
| 13acc | Tom Jackson | -- | 1956 | 40 | 6 | 32 | B | 18 | 14 | do | 215 | 28 | 4- 2-56 | -- | -- | 30 | 15 | D | B. |
| 13bab | F. A. Weber | -- | 1950 | 92 | 4 | 45 | -- | -- | -- | do | 216 | 29.40 | 10- 8-70 | 340 | J, 3/4 | 13 | -- | -- | Sulfur, yellow clay, and iron in water. Has bad smell. |
| 13bdb | Pernal Dodele | -- | 1945 | 49 | 4 | 21 | -- | -- | -- | do | 215 | 26.43 | do | -- | T, ½ | 40 | -- | N | Owners have hardness, iron, etc., problems. Must clean pump once a year. |
| 13daa | Albany Frozen Food | Dr | 1966 | 72 | 12 | 68 | P, 43-68 | -- | -- | do | 223 | 14 | 7-18-66 | -- | T, 25 | 500 | 31 | In | P 12 hr, L. Pump runs 24 hr per day. Plant has another 12-in. 42-ft well. |
| 14acb | Robert Richard | -- | 1965 | 57 | 8 | -- | -- | -- | -- | Sand and gravel | 210 | 18.28 | 10- 7-70 | 400 | J, 1½ | 45 | -- | D, Ir | Used to irrigate 5 acres of cane berries. Water contains excessive iron; stains laundry. |
| 14ddb | Jack Kalina | Dr | 1965 | 200 | 10 | 40 | P, 29-40 | 25 | 15 | Gravel | 212 | 21.27 | 10-15-70 | -- | T, 5 | 35-50 | -- | Ir | L. Water hard and iron bearing; stains fixtures. |
| 15cab | W. F. Stellmacher | -- | 1964 | 41 | 10 | -- | -- | -- | -- | Sand and gravel | 205 | 19.20 | 10- 7-70 | -- | -- | -- | -- | N | |
| 15cba | R. N. Clausen | -- | 1968 | 41 | 10 | -- | -- | -- | -- | do | 205 | 24.34 | do | -- | S, 5 | 300 | -- | Ir | |
| 15dab | Harlan Rieger | Dr | 1966 | 58 | 8 | 58 | P, 46-57 | 45 | 13 | do | 218 | 25 | 7-25-66 | -- | J, 3 | 90 | 4 | Ir | B 1 hr, L. |
| 17cb | Corvallis Sand & Gravel | Dr | 1968 | 130 | 12 | 70 | P, 20-30, 56-66 | 20 | 10 | Clay and gravel Sand | 200 | 31 | 10-30-70 | -- | T, 40 | 80 | 2 | In | B 2 hr, L. |
| 17cca | Bob Winn | Dr | 1968 | 35 | 10 | 34 | P, 24-33 | 20 | 13 | Gravel | 200 | 16.54 | 10-29-70 | -- | -- | 500 | 1½ | Ir | P 4 hr. |

T. 11 S., R. 4 W.--Continued

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|---------------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|---------------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 4 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 19aaa | Children's Farm Home | Dr | 1958 | 56 | 8 | 56 | P, 43-53 | 44 | 12 | Gravel | 226 | 36 | 5-16-58 | -- | T, 15 | 250 | 10 | D | P 15 hr, L. |
| 19aba | do | -- | 1958 | 69 | 8 | 69 | P, 58-69 | 40 | 29 | Sand | 225 | 25 | 5-14-58 | -- | -- | 30 | 15 | D | B 1 hr. Well abandoned because sand so fine it was impossible to separate it from water. |
| 19cbd | Oregon State Univ. | Dr | -- | 280 | 10 | -- | -- | -- | -- | Sand and gravel | 225 | 33.82 | 11- 3-70 | 167 | T, 10 | -- | -- | D | Ca. |
| 19cdc | Sam Millsap | Dr | 1961 | 35 | 8 | 34 | P, 26-34 | -- | -- | -- | 203 | 9.82 | 10-29-70 | -- | N | -- | -- | N | |
| 20bca | Bob Winn | Dr | -- | 35 | 8 | -- | -- | -- | -- | Sand and gravel | 200 | 12.77 | 10-30-70 | -- | C | -- | -- | Ir | |
| 20bcd | do | Dr | -- | 29 | 10 | -- | -- | -- | -- | do | 200 | 13.34 | do | -- | C | -- | -- | Ir | |
| 20ccd | A. D. Belknap | Dr | 1966+ | 28 | 10 | -- | -- | -- | -- | do | 205 | 17.02 | 10-29-70 | -- | C | -- | -- | Ir | |
| 20deb | W. D. Greig | Dr | 1957 | 36 | 6 | 36 | P, 28-36 | 28 | 8 | Gravel | 205 | 20.58 | do | -- | C, 3 | 40 | 7 | Ir | P 1 hr, L. |
| 21acc | Alvin Carnegie | Dr | 1958 | 30 | 10 | 28 | P, 21-27 | 20 | 8 | Sand and gravel | 200 | 15.95 | 10-15-70 | -- | C, 15 | 350 | 26 | Ir | P 2 hr. |
| 21caa | Howard Atkeson | Dr | 1958 | 32 | 10 | 32 | P, 26-31 | 22 | 10 | do | 200 | 15.58 | do | -- | C, 15 | 500 | 8 | Ir | P 4 hr, L. |
| 21cba | do | Dr | -- | 35 | 12 | -- | P | -- | -- | do | 210 | 22.00 | do | -- | N | -- | -- | N | |
| 21dcc | Ed Norris | Dr | 1956 | 31 | 10 | 31 | P, 25-31 | 20 | 11 | Gravel | 206 | 18.50 | do | -- | C, 15 | 300 | 4 | Ir | P 1 hr, L. |
| 21ddb | Howard Atkeson | Dr | -- | 30.5 | 10 | -- | -- | -- | -- | do | 203 | 17.62 | do | -- | C, 10 | -- | -- | Ir | |
| 22bab | David Hearn | Dr | -- | -- | 6 | -- | -- | -- | -- | Sand and gravel | 210 | 22.53 | 10- 7-70 | -- | S, 10 | -- | -- | Ir | |
| 22cad | Dr. H. W. Cook | Dr | 1959 | 80 | 8 | 60 | P, 50-60 | 31 | 28 | Gravel and sand | 223 | 25.4 | 10- 9-70 | -- | S, $\frac{1}{2}$ | 75 | 0 | D | B, L. |
| 23caa | Dr. Donald Boye | -- | 1967 | 51 | 6 | -- | P | -- | -- | do | 217 | 18 | 5-16-67 | -- | S, 2 | 80 | 18 | D | B 1 hr. Water reported to have 1.5 mg/l of iron and 5-6 grains of hardness. |
| 23cab | do | Dr | 1967 | 80 | 8 | 52 | P, 38-50 | -- | -- | Sand and gravel | 200 | 20 | 9- -67 | -- | S, 7.5 | 110 | 16 | Ir | B 1 hr, L. |
| 23cca | do | Dr | 1970 | 60 | 10 | 54 | P, 42-54 | 24 | 21 | do | 222 | 20 | 9-17-70 | -- | -- | 190 | 35 | Ir | P 3 hr, L. |
| 23dba | Northwest Natural Gas Co. | Dr | 1960 | 250 | 10 | 211 | B | 38 | 9 | Gravel | 215 | 10.25 | 10- 8-70 | -- | N | -- | -- | -- | L. Grounding bed for gas company. |
| 24aaa | C. H. Sprenger | Dr | 1967 | 64 | 6 | 55 | P, 48-52 | 40 | 12 | do | 221 | 20 | 6-29-67 | -- | -- | 35 | 20 | D | B 2 hr, L. |
| 24aab1 | V. V. Ernston | Dr | 1960 | 50 | 6 | 50 | P, 47-49 | 40 | 10 | do | 210 | 14 | 8-29-60 | -- | -- | 30 | 15 | D | B 2 hr. |
| 24cbd | Ray Maddy | Dr | 1965 | 80 | 8 | 79 | P, 67-79 | 40 56 65 | 11 5 13 | Gravel do Sand and gravel | 215 | 20.65 | 10- 8-70 | -- | S, 2 | 85 | 4 | Ir | B 1 hr, L. Well runs 10 sprinklers. |
| 24dbd | do | Dr | 1955 | 62 | 8 | 49 $\frac{1}{2}$ | P, 39-49 | 31 52 | 17 8 | Gravel do | 210 | 3 | 9-27-55 | -- | -- | 35 | 10 | Ir | B. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|-------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|--------------------|-----------------------|------------------|------------------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|------|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 4 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 25aaa | Harold Shelton | Dr | 1964 | 60 | 6 | 55 | P | 40 | 20 | Sand and gravel | 225 | 15 | 6-27-64 | -- | C, 1/3 | 40 | 30 | D | B 2 hr. |
| 25aac | Linn-Benton Community College | Dr | 1971 | 178 | 8 | 175 | P, 164-175 | 32 163 | 15 6 | Gravel and sand Gravel | 225 | 9 | 7-16-71 | -- | N | 575 | 72 | Ir | P 6 hr, L. |
| 25cda | M. J. Looney | Dr | 1966 | 60 | 6 | 60 | P, 49-58 | 50 | 10 | do | 225 | 17.5 | 9-13-66 | -- | S | 50 | 0 | D | B 1 hr, L. |
| 25daa | F. G. Attebery | Dr | 1960 | 58 | 6 | 58 | P, 52-58 | 30 54 | 10 8 | Sand and gravel Gravel | 230 | 16 | 3- 9-60 | -- | J | 40 | 0 | D | B. |
| 27bac | Vernon Schrock | Dr | -- | 43± | 4 | -- | -- | -- | -- | Sand and gravel | 225 | 22.05 | 10-16-70 | 820 | J, 3/4 | -- | -- | D | Water high in iron and sulfur. |
| 28acb | R. L. Sutter | Dr | 1961 | 65 | 6 | 60 | P, 53-60 | 42 | 23 | do | 230 | 32.20 | do | -- | J, 1 | 40 | 15 | D | B, L. Water hard. |
| 28adb | R. K. Webber | Dr | 1968 | 51 | 6 | 51 | P, 41-49 | 40 | 11 | Gravel | 228 | 24 | 8- 5-68 | 530 | S, 1 | 30 | 5 | D | B 1 hr, L. Water very hard. |
| 28cba | L. H. Truax | Dr | -- | 20 | 10 | 20 | P | -- | -- | do | 200 | 12.16 | 10-16-70 | -- | C | -- | -- | Ir | |
| 29caa | do | Dr | -- | 22 | 10 | 22 | P | -- | -- | do | 200 | 13.78 | do | -- | N | -- | -- | Ir | |
| 29dab | do | Dr | -- | 25 | 10 | 25 | P | -- | -- | do | 200 | 13.35 | do | -- | N | -- | -- | Ir | |
| 30aac | Mrs. Laurence Murphy | Dr | 1962± | 31 | 8 | 31 | P | -- | -- | do | 205 | 16.26 | 10-29-70 | -- | C | 150± | -- | Ir | Runs 23 sprinklers. |
| 30aad | do | Dr | 1963 | 33 | 10 | 33 | P, 23-33 | 23 | 11 | Clay, sand, and gravel | 205 | 15.88 | do | -- | C, 20 | 438 | 10 | Ir | P 3 hr, L. |
| 30bac | Homer Twedt | Dr | -- | 29 | 8 | 29 | P | -- | -- | Gravel | 206 | 12.90 | do | -- | C, 15 | -- | -- | Ir | |
| 30ccc | F. L. Allison | Dr | -- | 24 | 10 | -- | -- | -- | -- | do | 210 | 11.38 | 10-14-70 | -- | C, 5 | -- | -- | Ir | |
| 30dcc | do | Dr | -- | 30.5 | 10 | -- | -- | -- | -- | do | -- | 14.28 | do | -- | C | -- | -- | Ir | |
| 31cad1 | T. E. Daniels | Dg | Pre 1955 | 28 | 42 | -- | -- | -- | -- | do | 210 | 18.67 | 10-20-70 | -- | C, 3 | -- | -- | Ir | |
| 31cad2 | do | Dr | 1970 | 37 | 8 | 37 | P, 30-35 | 20 | 13 | Sand and gravel | 210 | 10 | 4-18-70 | -- | S | 80 | 0 | D,PS | L. Supplies water to trailer court. |
| 31dca | Unknown | Dr | -- | 31 | 10 | 32 | P, 23-32 | 16 | 15 | do | 208 | 12.80 | 10-20-70 | -- | T, 15 | 300 | 13 | Ir | P 2 hr, L. |
| 32acb | Dr. N. L. Tartar | Dr | 1962 | 34 | 10 | 34 | P, 20-26, 28-34 | 18 | 16 | Sand and gravel | 222 | 19.64 | 10-19-70 | -- | N | 120 | 15 | Ir | P 2 hr. |
| 32adc | do | Dr | 1962 | 61 | 10 | 46 | P, 22-32, 33-43 | 18 31 | 13 12 | Gravel and sand Gravel | 212 | 12.24 | do | -- | N | 100 | 30 | Ir | P 3 hr, L. |
| 32bcd | Wes-Linn Estates | Dr | 1969 | 65 | 8 | 42 | B | -- | -- | -- | 220 | -- | -- | -- | N | -- | -- | N | L. Well abandoned. Inadequate water supply. |
| 32bdc | do | Dr | 1969 | 65 | 8 | 42 | B | 23 26 | 3 11 | Clay and gravel Sand and gravel | 220 | 16.13 | 10-20-70 | -- | -- | 120 | 48 | N | P 48 hr, L, Ca. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|----------------------------|--------------|----------------|----------------------|---------------------------|------------------------|-----------------|-----------------------|------------------|------------------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 4 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 32cbd | Wes Linn Water Co., Inc. | Dr | 1969 | 35 | 10 | 34 | P, 26-34 | 23 | 11 | Gravel | 218 | 9 | 3-27-63 | -- | T, 15 | 325 | 17 | PS | P 8 hr, L, Ca. Supplies water for 50 homes. |
| 33baa | Twin Oaks Memorial Gardens | Dr | 1957 | 48 | 8 | 48 | P, 23-25, 38-48 | 23 | 25 | do | 225 | 15.29 | 10-19-70 | -- | T, 7½ | 175 | 33 | Ir | P 4 hr. |
| 33cdal | H. B. Smith | Dr | 1962 | 87 | 8 | 79 | P, 10-39, 67-79 | 17 76 | 20 4 | do Sand and gravel | 220 | 9.15 | 10-22-70 | -- | N | 200 | 19 | N | P 2 hr, L. |
| 34cad | Van Waters & Rogers | Dr | 1966 | 51 | 6 | 50 | P, 40-50 | 28 | 21 | Gravel and sand | 220 | 17.25 | 10- 9-70 | -- | S | 30 | 10 | D | B 1 hr, L. |
| 35bba | J. N. Armstrong | Dr | 1955+ | 42 | 8 | -- | -- | -- | -- | Sand and gravel | 220 | 19.98 | 10-22-70 | -- | J, ½ | -- | -- | D | Some iron in water. |
| 35bbb | David Kryger | Dr | 1970 | 50 | 6 | 50 | P, 44½-48 | 23 34 | 11 16 | Gravel Sand | 220 | 7 | 3-20-70 | -- | S | 30 | 20 | D | B 2 hr, L. |
| 35bcc | Ralph Barker, Jr. | Dr | 1959 | 42 | 4 | 42 | P, 33-40 | 20 | 22 | Gravel | 225 | 15 | 7-11-59 | -- | J, ¾ | -- | -- | -- | Water hard, contains iron, and stains fixtures and clothing. |
| 36daa2 | Albert Carlson | Dr | 1969 | 61 | 6 | 61 | P, 50-58 | 17 50 | 14 8 | Clay and gravel Sand and gravel | 230 | 2.6 | 1- 2-69 | -- | -- | 40 | 41 | D | B 1½ hr, L. |
| 36ddc | Henry Hensley | Dr | 1969 | 42 | 6 | 42 | P, 30-40 | 25 | 17 | do | 230 | 8 | 3-21-69 | -- | -- | 30 | 4 | D | B 3 hr. |

T. 11 S., R. 5 W.

| | | | | | | | | | | | | | | | | | | | |
|--------|------------------------------|----|------|-----|---|----|---|------------------|----------------|----------------|-----|-------|----------|-----|-------|----|-----|----|--|
| lacc | Herman Krehbiel | Dr | 1963 | 53 | 6 | 49 | B | 30 | -- | Lava rock | 350 | 24.10 | 10-27-70 | 220 | J, 1 | 60 | 16 | D | B 1 hr, L. |
| 1cda | C. E. Poulton | Dr | 1955 | 89 | 6 | 33 | B | 34 | -- | do | 280 | 4.09 | do | -- | J, 1½ | 30 | 20 | D | B, H. |
| 2acd | Orano Grindahl | Dr | 1962 | 108 | 6 | 80 | B | 98 | 10 | do | 525 | 44.33 | 10-26-70 | -- | S, ¾ | 40 | 40 | D | B 1 hr. |
| 2cab | Bohdan Maksynuck | Dr | 1965 | 453 | 6 | 20 | B | -- | -- | do | 750 | 125 | 9- 7-65 | -- | S, 1 | 5 | 155 | D | B 6 hr, L. Water supply from this well reported to be barely adequate during summer. |
| 10cca | McLane Fisher | Dr | 1969 | 300 | 6 | 23 | B | -- | -- | do | 525 | 75 | 3-21-69 | 240 | S, 1 | 15 | -- | D | L. |
| 11bad | Kenneth Place | Dr | 1963 | 195 | 6 | 25 | B | -- | -- | do | 425 | 48 | 1963 | 420 | S, ¾ | 5½ | 147 | D | B 1 hr. |
| 11bcd1 | Vineyard Mt., Inc. | Dr | 1969 | 183 | 8 | 46 | B | 76 140 172 | 10 14 11 | do do do | 375 | 8 | 2-26-69 | -- | S, 15 | 55 | 167 | PS | P 12 hr, L. Water supply for Vineyard Mt. development. |
| 11bcd2 | do | Dr | 1969 | 108 | 8 | 45 | B | 50 | 40 | do | 375 | 13 | 10-17-69 | -- | S, 15 | 36 | 20 | PS | B 1 hr. Water supply for Vineyard Mt. development. |
| 12cda | Mountain View Baptist Church | Dr | 1961 | 80 | 6 | 23 | B | -- | -- | Claystone | 265 | 41.49 | 10-27-70 | 380 | J, 1 | 10 | 66 | D | B ½ hr, L. Well reported to yield inadequate supply during summer. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|--------|-----------------------|------------------|-----------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 5 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 12cdd | Mountain View Baptist Church | Dr | 1957 | 87 | 6 | 24 | B | 38 | -- | Sandstone | 260 | 30.89 | 9-27-70 | -- | N | 50 | 0 | N | B. Reported to have high bacteria count; water unsafe for drinking. |
| 12dac | E. R. McLagan | -- | 1930 | 180 | 6 | -- | -- | -- | -- | do | 250 | 63.64 | 10-28-70 | 3,500 | S, 1 | -- | -- | F,D | |
| 13acb | Northgate Lumber Co. | Dr | 1970 | 255 | 6 | 255 | B | -- | -- | Claystone | 240 | Flowed 7 gpm | 7- 2-70 | 9,360 | S, 3 | 30 | 140 | F,D | B 2 hr, L, Ca. Water has salty taste; not used for drinking--toilets only. |
| 13bdd | do | Dr | 1940 | 90 | 4 | -- | B | -- | -- | Sandstone | 233 | 9.42 | 10-28-70 | -- | J, 2 | -- | -- | N | Water reported to be salty. |
| 15abc | R. K. Fendall | Dr | 1968 | 323 | 6 | 41 | B | -- | -- | Basalt | 575 | 175 | 6-26-68 | 360 | S, 1 | 12 | 140 | D | Air test 1 hr, L. |
| 15abd | Allan Dapp | Dr | 1960 | 117 | 6 | 69 | B | 104 | 13 | Lava rock | 440 | 36.82 | 10-28-70 | 290 | S, 1 | 45 | 28 | D | B 1/2 hr. |
| 15aba | Harold Nelson | Dr | 1966 | 76 | 8 | 19 | B | -- | -- | do | 430 | -- | -- | -- | S, 3/4 | 40 | 35 | Ir | B 1 hr, L. Reported to flow most of year, and water reported to be highly mineralized. |
| 15bbb | do | Dr | 1962 | 36 | 6 | 35 | B | 20 | 14 | Broken basalt | 580 | .66 | 10-28-70 | -- | S, 1/2 | 10 | -- | D | B. Well flows 2-3 gpm during winter. Ceases to flow during summer. |
| 19bba | C. B. Smith | Dr | 1969 | 55 | 6 | -- | B | -- | -- | Lava rock | 460 | 36.05 | 11- 4-70 | 260 | J, 2 | -- | -- | -- | |
| 20acc | Grant Decker | Dr | 1955 | 106 | 6 | -- | B | -- | -- | do | 780 | -- | -- | -- | J, 1 | -- | -- | D | Water used for household purposes only; inadequate supply for sprinkling. Spring used for lawns and gardens. |
| 20bbc1 | Oregon State Univ. | Dr | 1966 | 150 | 6 | 56 | B | 55 | 3 | Broken basalt | 505 | 18 | 6-30-66 | 262 | S, 1/2 | 6 | 132 | PS | B 1 hr, L, Ca. Water supply for fish laboratory; reported inadequate. |
| 20bbc2 | do | Dr | -- | 110 | 6 | -- | B | -- | -- | do | 520 | 14.82 | 9-30-71 | 259 | S, 1/2 | -- | -- | PS | Ca. Reported to have inadequate water supply. |
| 20dbc | Ted Cole | Dr | 1969 | 76 | 6 | 30 | B | -- | -- | Lava rock | 590 | 37 | 5-26-69 | 590 | S, 3/4 | 15 | 31 | D | B 1 hr. |
| 20dcc | Rick Ross | Dr | 1970 | 152 | 6 | -- | B | -- | -- | do | 640 | 81.75 | 10- 5-70 | 210 | S, 1/2 | 11 | 90 | D | B. |
| 21aca | C. L. Schroff | Dr | 1963 | 235 | 6 | 22 | B | 225 | 10 | Broken basalt | 520 | 28 | 8-28-63 | -- | S | 30 | 150 | D | B 1 1/2 hr, L. Supplies water for six homes. |
| 21bcd | A. J. Carey, Jr. | Dr | 1962 | 295 | 6 | 48 | B | 285 | 10 | do | 590 | 148 | 3-31-62 | 170 | S, 1 1/2 | 12 | 117 | D | B 1-3/4 hr, L, Ca. |
| 21cba | Dean Matterlee | Dr | 1966 | 227 | 6 | 30 | B | -- | -- | Lava rock | 550 | 32.62 | 11- 5-70 | -- | N | 3 | 195 | N | P 5 hr, L. Water supply reported inadequate for normal domestic use. |
| 21cbb | do | Dr | 1966 | 56 | 6 | 40 | B | 32 | 22 | do | 520 | 17 | 8-30-66 | 280 | S, 1/2 | 35 | 21 | D | B 1 hr, L. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|-------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|---------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 5 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 22cdb | Dr. Clyde Kernek | Dr | 1966 | 355 | 6 | -- | -- | -- | -- | Sandstone | 280 | -- | -- | -- | -- | -- | -- | N | L. Well abandoned because of salty water. Owner has another well inadequate to irrigate lawn. |
| 23abc | Don Campbell | Dr | 1964 | 135 | 6 | 30 | B | -- | -- | Claystone | 360 | 56.42 | 10-28-70 | 500 | S, 3/4 | 16 | -- | D | B, L. |
| 24cbb1 | W. H. Mason | Dr | -- | 90 | 5 | -- | B | -- | -- | do | 240 | 25.58 | 4- 2-71 | -- | J, 1/2 | -- | -- | D | A 50-ft well at this location yields better quality water but has inadequate supply. |
| 24ddc | L. E. Stewart | Dr | 1963 | 26 | 6 | 26 | P, 19-26 | 16 | 10 | Gravel | 205 | 6.68 | 11- 3-70 | -- | C, 5 | 50 | 0 | Ir | B 2 hr, L. Well used to irrigate 8-10-acre pasture. Owner has another 6-in.-diameter well used for domestic purposes. |
| 25ddd | George Van de Pol | Dr | 1958 | 31 | 10 | 31 | P, 19-30 | 15 | 16 | do | 225 | 12 | 3-21-58 | -- | N | -- | -- | N | |
| 27dba | Mrs. Gravelle | Dr | -- | 31 | 4 | -- | -- | -- | -- | do | 237 | 24.57 | 11- 5-70 | -- | N | -- | -- | N | |
| 29bdb | J. R. Shay | Dr | 1967 | 208 | 6 | 40 | B | 188 206 | 3 2 | Lava rock do | 620 | 98 | 1-30-67 | 320 | S, 1 | 18 | 90 | D | B 2 hr, L. |
| 29caa | R. E. Millemann | Dr | 1963 | 245 | 6 | 94 | B | 235 | 7 | do | 740 | 112 | 10-10-63 | 157 | S, 3/4 | 4.5 | 133 | D | P 4 hr, L, Ca. |
| 29cca | L. A. Westcott | Dr | 1969 | 108 | 6 | 40 | B | 86 | 3 | do | 420 | 31 | 4- 8-69 | 340 | S, 3/4 | 15 | 58 | D | B 1 hr, L. |
| 30abd | E. M. Weger | Dr | 1966 | 79 | 6 | 27 | B | 42 73 | 26 69 | do do | 410 | 14 | 1-20-66 | -- | N | 20 | 45 | N | B 1 hr. Another well, 80 ft deep, used for household purposes. |
| 30baa | J. G. Montgomery | Dr | 1965 | 190 | 6 | 64 | B | 180 | 8 | Basalt | 530 | 56.39 | 10-30-70 | -- | J, 1 | 15 | 60 | D | B 1 1/2 hr, L. |
| 30cad | L. K. Johnston | Dr | 1970 | 498 | 6 | 56 | B | -- | -- | do | 840 | 235 | 6- 4-70 | -- | N | 20 | 263 | N | Air test 2 hr, L. |
| 30cbb | Morse Montgomery | Dr | 1966 | 200 | 6 | -- | B | -- | -- | do | 810 | -- | -- | 420 | S, 3/4 | -- | -- | D | Reported to yield 6-10 gpm. Judicious use must be made during summer or water supply becomes inadequate. |
| 30cdc | E. C. Stevenson | Dr | 1967 | 500 | 6 | -- | B | -- | -- | do | 720 | 110.72 | 9-20-71 | 420 | S, 1 | -- | -- | D | Well barely adequate for domestic uses during summer. |
| 31cacl | J. C. Krauss | Dr | -- | 200 | 6 | -- | B | -- | -- | Lava rock | 595 | 56.05 | 4- 1-71 | 260 | S, 1 | -- | -- | D | Do. |
| 31cac2 | do | Dr | 1971 | 102 | 6 | 50 | B | -- | -- | do | 555 | 54.42 | 9-21-71 | -- | S, 3/4 | 12 | 33 | D | B 1 hr, L. |
| 35bad1 | Sunny Brook Dairy | Dr | 1964 | 48 | 8 | 48 | P, 42-45 | 35 46 | 7 6 | Sand and gravel Gravel | 220 | 22 | 8- -64 | 480 | J, 3 | 40 | 3 | In | B 1 hr. Dairy also has an 8-in. diameter, 43-ft well at this location. Water from wells used mainly to clean milk trucks. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|--------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|-----------------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 11 S., R. 5 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 35bba | V. N. Smith | Dr | 1961 | 40 | 6 | 38 | P, 29-38 | 34 | 6 | Sand | 228 | 14.17 | 11-6-70 | -- | -, 1 | 40 | 10 | D | B, L. Water used to irrigate lawn. |
| 35bda | Mutual Produce Co. | Dr | 1961 | 41 | 8 | 38 | P, 28-37 | 23 | 15 | Sand and gravel | 220 | 17 | 9-61 | 460 | J, 1 | 45 | -- | In | B. Used for cleanup purposes only. |
| 35ccc | Oregon State Univ. | Dr | 1962 | 54 | 8 | 43 | P, 30-42 | 31 | 12 | do | 227 | 4.55 | 3-31-71 | -- | N | 80 | 27 | N | P 2 hr, L. |
| 36aaa | F. L. Allison | Dr | -- | 30 | 10 | 30 | -- | -- | -- | do | 210 | 18.20 | 10-14-70 | -- | C, 25 | -- | -- | Ir | |
| 36bca | Oregon State Univ. | Dr | 1957 | 33 | 8 | -- | P | -- | -- | Gravel | 210 | 12.90 | do | -- | N | 100 | -- | Ir | |
| 36cdb | do | Dr | 1957 | 41.5 | 8 | 41.5 | P, 31-41 | 17 20 30 | 3 10 11 | Sand Sand and gravel Gravel | 215 | 20.24 | do | -- | C, 5 | 750 | 2 | Ir | P 2 hr, L. |
| 36dcd | do | Dr | 1963 | 40 | 8 | 40 | P | -- | -- | do | 220 | 29.25 | 9-28-71 | 159 | T, 10 | 400+ | -- | PS | Ca. Well used by Food Science Lab. University has two other 8-in. wells of about same depth. Water from wells at this location reported to have high bacteria count. |

T. 12 S., R. 2 W.

| | | | | | | | | | | | | | | | | | | | |
|-------|----------------|----|------|-----|---|----|----|----|----|-----------|-----|-------------------|----------|-----|------|---------|----|-------|--|
| 18acd | R. H. Wheeler | Dr | -- | 132 | 5 | -- | -- | -- | -- | -- | 323 | 25.38 | 9-24-70 | -- | N | -- | -- | N | Well reported to yield good-quality water but insufficient for domestic use. |
| 18bda | do | Dr | 1966 | 125 | 6 | 91 | B | -- | -- | -- | 315 | 16 | 9-19-66 | -- | S | 39 | 22 | D | B 2 hr, L. |
| 18ddc | Walt Gay | Dr | 1968 | 225 | 6 | 30 | B | -- | -- | -- | 390 | 125 | -- | -- | S, 1 | 8 | -- | D | Two wells, 350 ft and 400 ft deep, at this location had inadequate supply of water and were abandoned. |
| 19crb | Scott Wheeler | Dr | 1966 | 47½ | 6 | 18 | B | -- | -- | Sandstone | 325 | 2.3 above surface | 9-17-70 | 455 | S, 5 | 100-200 | -- | Ir | L. Reported to have methane gas in water. |
| 28ddd | Leo Swing | Dr | -- | 118 | 6 | -- | -- | -- | -- | -- | 410 | 26.62 | 9-16-70 | 320 | C, 1 | -- | -- | D | Owner reports sulfur taste. |
| 30bcd | Crossan Farms | Dr | 1967 | 140 | 8 | 33 | B | -- | -- | Shale | 320 | 21.00 | 9-25-70 | -- | S, 3 | 300 | 58 | D | P 3 hr, L. |
| 31dba | Gilbert Morgan | Dr | -- | 87 | 3 | -- | -- | -- | -- | -- | 300 | 16.07 | 9-15-70 | -- | P | -- | -- | N | |
| 31ddb | D. J. Sargeant | Dr | 1953 | 80 | 6 | 17 | B | -- | -- | Volcanic | 300 | -- | -- | 375 | J, 1 | -- | -- | D, Ir | Used to irrigate 1½ acres of pasture. |
| 32dcd | Richard Rhiger | Dr | -- | 70 | 6 | -- | -- | -- | -- | -- | 360 | 33.97 | 9-16-70 | 300 | J, ½ | -- | -- | D | |
| 33cab | Leon Sauls | Dr | 1969 | 29 | 6 | 25 | -- | -- | -- | Shale | 420 | 7.5 | 11-21-69 | 420 | S, ½ | 40 | 1 | D | P 1 hr, L. Water reported to have poor taste. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|-------------------|--|--------------|----------------|----------------------|---------------------------|------------------------|-----------|-----------------------|--------------------|--|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|------------|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 3 W. | | | | | | | | | | | | | | | | | | | |
| 2bdc | H. F. Chipman | Dr | 1967 | 69 | 6 | 69 | P, 59-67 | 20 57 60 | 10 3 9 | Gravel and clay do Sand and gravel | 280 | 13 | 8-16-67 | -- | S | 60 | 16.5 | Ir | B 1 hr, L. Irrigates 3-4 acres of pasture. |
| 2cba | Bertha McDanielis | Dr | -- | 60 | 6 | 60 | P | -- | -- | do | 280 | 12.52 | 9-18-70 | -- | J, 1 | -- | -- | D,Ir | Runs 12 sprinklers. |
| 3aad | Ezra Schmucker | Dr | 1947 | 69 | 10 | 69 | -- | -- | -- | do | 270 | 4.20 | 9-23-70 | -- | T, 7½ | 150 | -- | Ir | |
| 4bdc | Mobil Oil Co. | Dr | 1968 | 75 | 6 | 60 | P, 54-57 | 18 | 39 | do | 260 | 15.35 | 9-22-70 | 350 | S | 60 | 20 | In | B 2 hr. |
| 4caa | Glenn White's Texaco Service Station | Dr | 1962 | 100 | 6 | 98 | P, 88-98 | 15 46 55 96 | 20 5 15 4 | do do do do | 260 | 6 | 5-18-62 | 340 | S, 1 | 30 | 0 | D | P 4 hr, L. Water has bad taste. |
| 5caa | G. N. and H. G. Chandler | Dr | 1952 | 111 | 8 | 111 | P, 58-111 | 58 102 | 20 9 | do do | 252 | 16.23 | 9-22-70 | -- | T, 10 | 250 | 68 | Ir | P, L. Reported to pump 105 acre-feet per year for 42 acres. |
| 6bbd | N. F. Ellis | Dr | 1969 | 75 | 6 | 74 | P, 62-72 | 36 65 | 29 9 | do do | 242 | 13.90 | 9-23-70 | 240 | C | 60 | 5 | D | B 2 hr. |
| 6bcc | Shell Chemical Co. | Dr | 1965 | 88 | 8 | 88 | P, 75-88 | 53 67 | 8 21 | Clay and gravel Sand and gravel | 245 | 17 | 10-19-65 | 360 | S, 5 | 365 | 67 | D,F, In | P 2 hr, L. Pumps fine sand. |
| 7bcc1 | Tangent Fire Dept. | Dr | 1961 | 88 | 10 | 86 | P, 72-86 | 47 79 | 22 8 | Gravel Sand and gravel | 240 | 15.82 | 9-23-70 | -- | T, 10 | 300 | 63 | F | P 2 hr, L. |
| 7bcc2 | Don Stockton | Dr | 1970 | 55 | 6 | -- | -- | -- | -- | do | 240 | 10.12 | 9-22-71 | -- | S, ½ | -- | -- | D | Well flows several gallons per minute during late winter and early spring. |
| 7cbb | Tangent Elementary School | Dr | 1965 | 90 | 8 | 88.5 | P, 78-88 | 25 58 75 | 28 4 13 | Clay and gravel Gravel Sand and gravel | 245 | 17 | 8- 4-65 | -- | S, 3 | 85 | 0 | PS | B 2 hr. |
| 8acd | John Grell | Dg | -- | 22 | -- | -- | -- | -- | -- | do | 257 | 15.32 | 9-22-70 | -- | N | -- | -- | N | Well abandoned. |
| 9bdc | Harvey Grell | Dr | 1965 | 79 | 6 | 78 | P, 69-78 | 26 70 | 10 9 | Gravel Sand and gravel | 265 | 6.5 | 3-15-65 | -- | C, ½ | 40 | 19 | D | B 1 hr, L. |
| 9ddb | J. H. Swatzka | Dv | 1927 | 20 | 1½ | 20 | -- | -- | -- | do | 270 | 14.46 | 9-18-70 | -- | P | -- | -- | N | |
| 11acd | V. C. Nofziger | Dr | 1966 | 78 | 6 | 78 | P, 64-76 | 24 68 | 10 10 | do do | 285 | 10 | 7-20-66 | 270 | S, 2-3 | 45 | 20 | D | B 2 hr, L. Water hard. |
| 11bdc | I. Jess | Dg | -- | 14 | -- | -- | -- | -- | -- | do | 290 | -- | -- | 540 | -- | -- | -- | D | Owner reports hard water. |
| 12bba | Olen Nofziger | Dv | 1928 | 25 | 1½ | 25 | -- | 20 | 5 | Gravel | 290 | 6 | -- | -- | C | -- | -- | D | |
| 13acc | Glenn Nofziger | Dr | 1966 | 59 | 8 | 54 | P, 43-53 | 22 | 37 | Sand and gravel | 300 | 9.44 | 9-24-70 | -- | S, 1½ | 80 | 40 | D | B 2 hr, L. |
| 15bcc | Mrs. Jean Murry | Dv | 1957 | 30 | 1½ | 30 | -- | -- | -- | -- | 270 | -- | -- | -- | C, ½ | -- | -- | D | Owner reports excellent-quality water and no problems with quantity. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|-------------|-----------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|---------------------------|-----------------|------------------|---------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| 16dbb | Pierce Jenks | Dr | 1966 | 60 | 6 | -- | -- | -- | -- | -- | 265 | -- | -- | -- | S, 1 | -- | -- | D | Owner reports excellent-quality water in large quantity. |
| 17ddc | Merrill Boshart | Dr | 1962 | 62 | 6 | 62 | P, 57-61 | 56 | 16 | Sand | 255 | 2 | 1- 8-62 | -- | T | 40 | 8 | D | B 1½ hr, L. Owner reports excellent quality water and no problems with quantity. |
| 18bcc | Jenks Hatchery | Dr | 1966 | 93 | 8 | 91 | P, 77-89 | 66 | 20 | Sand and gravel | 245 | 18.86 | 9-15-70 | 380 | S, 5 | 88 | 0 | D | B 1 hr, L. |
| 19cda | J. D. Partain | Dr | 1947 | 40 | 6 | 40 | -- | -- | -- | do | 250 | 11.61 | 9-14-70 | -- | N | -- | -- | -- | Formerly had centrifugal pump with 15 sprinklers off 3-in. lines. Used to irrigate 10 acres of pasture. |
| 20bdd | John Ropp | -- | -- | -- | 4 | -- | -- | -- | -- | do | 255 | -- | -- | -- | -- | -- | -- | D,S | Owner reports good-quality water. |
| 21cdc | do | Dv | -- | -- | 1½ | -- | -- | -- | -- | do | 270 | -- | -- | -- | C, 1 | -- | -- | -- | |
| 23bda | William Parker | Dv | Prior to 1920 | 27 | 1½ | 27 | -- | -- | -- | do | 285 | 13.00 | 9-17-70 | 285 | N | -- | -- | N | |
| 23ccd | Millard Paulus | Dr | 1970 | 50 | 6 | 48 | B | 30 | 17 | do | 280 | 7 | 6-27-70 | 405 | S | 20 | 14 | D | B 1 hr, L. |
| 24baa | Mrs. Tishauser | Dr | -- | 150+ | 4 | -- | -- | -- | -- | do | 306 | 16.50 | 9-17-70 | 400 | J, ½ | -- | -- | D | |
| 24ddb | Scott Wheeler | Dr | 1959 | 210 | 8 | 43 | P, 36-43 | -- | -- | Layer rock | 354 | 22.15 | 9-25-70 | -- | S, 2 | 14 | 165 | D | P ½ hr, L. Well inadequate for domestic supply. Used for reserve and for garden irrigation. |
| 25abb | Alfred Wheeler | Dr | 1944 | 88 | 6 | -- | -- | -- | -- | -- | 340 | 47.59 | 9-17-70 | 120 | J, 3 | -- | -- | D | |
| 25caa | Ralin Zantzi | Dr | -- | 65 | 4 | -- | -- | -- | -- | -- | 340 | 66.01 | 9-16-70 | -- | S | -- | -- | Ir | Irrigates 8-10 acres of pasture. |
| 27bba | George Ruckert | Dv | 1945(?) | -- | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | C, ½ | -- | -- | D | Owner reports excellent-quality water but inadequate supply during summer. |
| 28ccb | Conrad Witt | Dr | 1970 | 65 | 8 | 63 | P, 53-61 | 25 | 43 | Gravel and sand | 260 | 13.50 | 9-15-70 | 340 | --, 3/4 | 60 | 4 | D | B 2 hr, L. |
| 29cdd | Donald Wirth | Dr | -- | 105 | 10 | -- | -- | -- | -- | do | 255 | 9.72 | 9-22-71 | 360 | T, 10 | -- | -- | Ir | Well used to irrigate 10 acres of pasture. H. |
| 29ddd | Ed Herrling | Dr | 1967 | 56 | 8 | 56 | P, 42-54 | 25 45 | 9 11 | Gravel Sand and gravel | 257 | 13.02 | 9-15-70 | -- | N | 110 | 13½ | N | B 1 hr. |
| 31dcd | do | Dr | 1962 | 52 | 6 | 52 | P, 44-52 | -- | -- | Gravel and sand | 263 | 15.87 | 9-14-70 | 570 | T, 1 | 30 | 20 | D | B 1 hr, L. |

T. 12 S., R. 3 W.--Continued

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|-----------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|---------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 3 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 32bcd | Arthur Hawkins | Dr | 1970 | 50 | 6 | 50 | P, 41-50 | 34 40 | 6 10 | Sand and gravel do | 255 | 14 | 7-18-70 | 265 | J, 1½ | 60 | 13 | D | B 1½ hr, L. |
| 33aaa1 | Ezra Schmucker | Dr | 1966 | 63 | 6 | 62 | P, 51-60 | 25 53 | 10 7 | Gravel Sand and gravel | 265 | 14.04 | 9-17-70 | 400 | S, 1 | 50 | 12 | D | B 1 hr, L. |
| 33aaa2 | do | -- | 1950(?) | 40 | 6 | -- | -- | -- | -- | -- | 265 | 13.98 | do | 400 | C, 1 | -- | -- | F | Water polluted. Used only to irrigate garden and for fire truck. |
| 33cab | do | Dr | 1959 | 48 | 8 | 48 | P, 28-48 | 20 40 | 15 8 | Gravel Sand and gravel | 264 | 13.16 | 9-15-70 | -- | C, 10 | 100 | 24 | Ir | L. |
| 35adc2 | Simplot Soil Builders | Dr | 1963 | 110 | 6 | 93 | P, 84-92 | 85 | 10 | Clay and shale | 278 | 15 | 10-20-63 | 1,270 | S, ½ | 14 | 82 | In | B 1 hr, L, Ca. Water has bad taste. |
| 35cbc | Pier De Groot | Dr | -- | 99+ | 8 | -- | -- | -- | -- | -- | 273 | 21.42 | 9-15-70 | -- | S, 5 | -- | -- | Ir | |
| 35dab | Robert Moore | Dr | 1966 | 29.5 | 6 | 30 | B | 19 | 10 | Sand and gravel | 277 | 10.27 | do | 425 | -- | 30 | 18 | D | B 1 hr, L. |
| T. 12 S., R. 4 W. | | | | | | | | | | | | | | | | | | | |
| 1aac | Louie Rolland | Dr | 1966 | 84 | 6 | 84 | P, 74-82 | 42 76 | 20 34 | Clay and gravel Gravel | 242 | 17 | 9-29-66 | 380 | S | 75 | 0 | D | B 1 hr, L. Water has metallic iron taste; not suitable for drinking. |
| 1dcc | Lloyd Forester | Dr | 1945 | 96 | 8 | 96 | -- | -- | -- | Sand and gravel | 235 | 25 | -- | 320 | C, 5 | -- | -- | Ir | Used to irrigate 25 acres of pasture. |
| 3bad | Herb Smith | Dr | 1966 | 52 | 6 | 45 | P, 45-52 | 25 44 | 19 8 | do sand | 228 | 16.98 | 9-17-70 | -- | -- | 20 | 10 | Ir | B 1 hr, L. |
| 3caa | G. U. Olding | Dr | 1958 | 60 | 8 | 41 | -- | 22 | 38 | do | 225 | 8 | 7- -59 | -- | C, 10 | 300 | 30 | Ir | P 2 hr. |
| 4bab | H. B. Smith | Dr | 1968 | 44 | 10 | 36 | P, 22-34 | 20 | 14 | Sand and gravel | 215 | 10 | 10- 2-68 | 230 | T, 20 | 360 | 23 | Ir | P. |
| 4cbd1 | Dale Fischer | Dr | 1967 | 34 | 6 | 34 | P, 24-32 | 20 | 12 | do | 226 | 15.76 | 9-18-70 | 760 | S, ½ | 60 | 0 | D | B 1 hr, L. |
| 4cbd2 | do | Dr | 1960 | 53 | 12 | 53 | -- | -- | -- | do | 226 | 16.29 | do | -- | T, 15 | -- | -- | Ir | Well runs 35-40 5-gpm sprinklers. |
| 5dab | do | Dr | 1940(?) | 33 | 12 | -- | -- | -- | -- | do | 220 | 8.72 | do | -- | T, 15 | -- | -- | Ir | Reported pumped 165 gpm in August 1970. |
| 6baa | Leonard Jolly | Dr | 1969 | 40 | 6 | 38 | B | 25 | 13 | do | 224 | 22 | 11- 7-69 | 217 | S, ¾ | 30 | 18 | D | B 1 hr, L, Ca. |
| 6cca | M. R. Smith | Dr | 1969 | 35 | 10 | 35 | P, 25-35 | 25 | 10 | do | 220 | 14.84 | 9-18-70 | -- | C, 20 | 475 | 9.5 | Ir | P 2½ hr. |
| 6ccb | do | Dr | 1969 | 31 | 10 | 31 | P, 21-31 | 20 | 11 | Gravel | 220 | 18.17 | do | -- | C, 30 | 500 | 6.5 | Ir | P 2½ hr. Irrigates 75 acres. |
| 6cdb | Willard Hamlin | Dr | 1961 | 35 | 10 | 35 | P, 26-35 | 20 | 15 | do | 220 | 16.94 | do | 246 | C, 30 | 600 | 3 | Ir | P 4 hr, L, Ca. Irrigates 50 acres. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|----------------|--------------|----------------|----------------------|---------------------------|------------------------|------------|-----------------------|------------------|--|-----------------|------------------|---------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 4 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 7baa | Willard Hamlin | Dr | 1966 | 34 | 10 | 34 | P, 24-34 | 20 | 14 | Gravel | 220 | 16.91 | 9-23-70 | -- | C, 25 | 300 | 2½ | Ir | P 2 hr, L. |
| 7bba | do | Dr | 1961 | 32 | 10 | 30½ | P, 21-30½ | 18 | 12 | Gravel and sand | 220 | 21.54 | 9-25-70 | -- | C, 15 | 400 | 2½ | Ir | P ½ hr. |
| 7dac | Floyd Bulman | Dr | 1963 | 37 | 10 | 37 | P, 26-37 | 25 | 12 | Gravel | 225 | 18.32 | 9-23-70 | -- | C, 15 | 300 | 17½ | Ir | P 2½ hr, L. |
| 7dba | do | Dr | 1963 | 31 | 10 | 31 | P, 21-31 | 21 | 31 | do | 220 | 16.69 | do | -- | C, 15 | 450 | 2 | Ir | P 3 hr. |
| 8bab1 | R. G. Gates | Dr | 1965 | 42 | 12 | 42 | P, 31-40 | -- | -- | -- | 225 | 14.25 | do | -- | -- | 120 | 27 | Ir | P 2 hr. |
| 8bab2 | do | Dr | 1965 | 40 | 8 | 40 | -- | -- | -- | -- | 225 | 16.55 | do | 280 | S, 7½ | -- | -- | D | |
| 8bad | do | Dr | 1964 | 40 | 10 | 40 | P, 28-38 | 18 32 | 14 8 | Sand and gravel Gravel | 225 | 8 | 4- 8-64 | -- | S, 7½ | 600 | 18 | Ir | P 3 hr, L. Reported to have pumped 1,200 gpm. Formerly used to irrigate 70 acres. Now supplies water for 70-unit trailer court. |
| 8caa | Leroy Richey | Dr | 1962 | 108 | 8 | 108 | P, 24-32 | 20 96 | 12 12 | Gravel and sand Sand | 225 | 10.96 | 9-23-70 | -- | --, 7½ | 200 | 90 | Ir | P 4 hr, L. Reportedly will run 20-30 8-gpm sprinklers. |
| 9bda | R. L. Arthur | Dr | 1958 | 75 | 8 | 55 | P, 37-55 | 25 | 30 | Gravel | 232 | 31.00 | do | 500 | T, 5 | 75 | 0 | Ir | L. |
| 11dab | Pete Muller | Dr | 1967 | 45 | 6 | 45 | P, 34-43 | 33 | 15 | Sand and gravel | 235 | 18.8 | 8-11-67 | 360 | C | 50 | 6 | D | B 1 hr, L. |
| 12aca | Milton Newport | Dr | 1970 | 79 | 6 | 79 | P, 70-79 | 67 | 12 | do | 240 | 18.16 | 9-24-70 | 320 | S, 1½ | 50 | 4 | S | Do. |
| 12bca | Kent Muller | Dr | 1964 | 61 | 6 | 60 | P, 50-59 | 50 | 10 | do | 230 | 13 | 8- 5-64 | 360 | S, 1 | 50 | 0 | D | B. |
| 13adb1 | Floyd Jenks | -- | 1954+ | 90 | 6 | 90 | -- | -- | -- | do | 245 | 12.06 | 9-25-70 | -- | C, 2 | -- | -- | N | Formerly used to irrigate 5 acres of pasture. Well has too much drawdown for centrifugal pump. Water reported to come to surface and sometimes overflows during wet season. |
| 13adb2 | do | -- | 1951 | 47 | 4 | -- | -- | -- | -- | do | 245 | 14.03 | do | -- | N | -- | -- | N | |
| 13dac | Delmar Larkin | Dr | 1965 | 122 | 10 | 135 | P, 122-135 | 90 97 122 | 3 13 35 | Sand and gravel Gravel Sand and gravel | 245 | 4 | 5-10-65 | -- | T, 20 | 255 | 124 | N | P 2 hr, L. Formerly used for irrigation. |
| 14dda | R. F. Whaley | Dr | 1965 | 80 | 6 | 71 | P, 59-70 | 18 60 | 11 10 | do do | 236 | 16.26 | 9-24-70 | -- | C, 7 | 50 | 9 | N | B 1 hr, L. Owner reports well cannot be used with centrifugal pump, as drawdown when pumping is too great. Will be used for irrigation when turbine pump is installed. |
| 14ddd | do | Dr | 1969 | 43 | 6 | 43 | P, 33-41 | 28 | 15 | do | 238 | 16.67 | do | 460 | C, ½ | 40 | 14 | D | B 1½ hr. Water reported to stain toilet fixtures. Water possibly has high iron content. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|-------------------------|--------------|----------------|----------------------|---------------------------|------------------------|------------|-----------------------|------------------|-------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 4 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 15abc | Willard McLagan | Dr | 1966 | 40 | 6 | 40 | -- | -- | -- | Sand and gravel | 240 | -- | -- | 500 | C, ½ | -- | -- | D | Used by warehouse and elevators. |
| 16cab1 | Oak Villa Trailer Court | Dr | 1970 | 59 | 6 | 59 | P, 50-59 | 48 | 11 | do | 240 | 23.63 | 9-16-70 | -- | S, 1 | 50 | 29 | D | B 1 hr. Supplies water for trailer court. |
| 16cab2 | do | Dr | 1970 | 50 | 6 | 42 | P, 32-41 | 30 | 10 | do | 240 | 20.32 | do | 420 | S | 48 | 8 | D | B 1½ hr. Supplies water for trailer court. |
| 16cac | do | Dr | 1970 | 300 | 6 | 299 | P, 33-43 | 30 | 17 | do | 240 | 19.08 | do | 2,000 | S, 1½ | 48 | 12 | D | B 1½ hr, L. Water has unpleasant taste; poor quality. |
| 17bdb | Louis Geil | Dr | 1966 | 58 | 6 | 44 | P, 37-43 | 24 | 21 | Gravel | 225 | 18 | 8-7-66 | 300 | S, 1 | 60 | -- | D | B 2 hr, L. |
| 18ada | F. M. Lamb | -- | 1945 | 44 | 10 | 44 | -- | -- | -- | Sand and gravel | 225 | 16.35 | 9-16-70 | -- | T, 10 | -- | -- | N | Reported to have "sanded in." Not much water for irrigation from this well. |
| 18adb1 | do | Dr | 1961 | 34 | 12 | 33 | P, 27-32 | 20 | 12 | do | 222 | 18.66 | do | -- | C, 50 | 600 | 1 | Ir | P 4 hr, L. |
| 18adb2 | do | Dr | 1961 | 28½ | 12 | 28½ | P, 22-27 | 18 | 10 | Gravel | 222 | 18.75 | do | -- | C, 15 | 550 | 7 | Ir | P 2 hr. |
| 18bbd | Therl Neville | B | 1953 | 30 | 10 | 27 | P | 20 | 7 | do | 220 | 16.10 | 10-20-70 | -- | N | -- | -- | Ir | Owner reports yield of 400-500 gpm. |
| 18bcc | do | B | 1953 | 31 | 12 | 31 | P | 16 | 15 | do | 220 | 15.97 | do | -- | C, 20 | 800 | 3½ | Ir | |
| 20bda | Anton Kuehlwein | Dr | 1956 | 55 | 6 | 50 | -- | -- | -- | Sand and gravel | 247 | 16.46 | 9-25-70 | 440 | J, ¾ | -- | -- | S | Inadequate water supply for household use. |
| 21cab | R. C. Mang | Dr | 1955 | 146 | 6 | 75 | P, 60-75 | 30 60 | 9 14 | Clay and gravel Sand | 248 | 20.42 | 9-11-70 | -- | S, 3 | 95 | 54 | Ir | P 4 hr, L, H. |
| 22bdc | J. R. Gray | Dv | 1920 | 35 | 1½ | 35 | -- | -- | -- | Sand and gravel | 248 | -- | -- | 440 | C, 1/3 | -- | -- | D | |
| 22ddb | Yates Scherer | Dr | 1969 | 53 | 6 | 52 | B | 27 | 26 | do | 250 | 16 | 10-3-69 | 445 | S, ½ | 50 | 30 | D | B 1 hr, L. Water reported to stain toilet bowls. |
| 23aca | Gene Muller | Dv | -- | 34 | 1½ | 34 | -- | -- | -- | do | 240 | 14.60 | 9-24-70 | -- | N | -- | -- | N | |
| 24daa | M. C. Slate | Dv | 1920 | 34 | 1½ | 34 | -- | -- | -- | do | 240 | 16.70 | do | -- | N | -- | -- | N | |
| 26bdc | Yates Scherer | Dv | -- | 34 | 1½ | -- | -- | -- | -- | do | 250 | 15 | 9-10-70 | 395 | C, 1/3 | -- | -- | D | |
| 27bdc1 | Bob Lindsay | Dr | 1965 | 68 | 8 | 60 | P, 52-58 | 50 | 10 | do | 255 | 23.79 | do | 600 | J, 1 | 65+ | 10 | D | B 1½ hr, L. |
| 27bdc2 | do | Dv | -- | 44½ | 1½ | -- | -- | -- | -- | do | 255 | 23.96 | do | -- | P | -- | -- | N | |
| 28ccc | Lester Northern | Dv | -- | 40 | 1½ | 40 | -- | -- | -- | do | 240 | 20 | 9-11-70 | 290 | C, 1/3 | -- | -- | D | |
| 29abd | Robert MacPherson | Dr | 1967 | 33 | 6 | 33 | P, 30-32 | 24 | 9 | do | 232 | 16.15 | do | 385 | S | 20 | 11 | D | B 1 hr. |
| 29bdb | Anne Dunlap | Dr | 1970 | 221 | 6 | 221 | P, 211-221 | 210 | 10 | Sand | 243 | Flows | do | 1,640 | S | 72 | 9 | D | B 1 hr, L, Ca. |
| 30bac | H. R. Wutzke | Dr | 1956 | 43 | 8 | 43 | P, 33-43 | 15 | 28 | Gravel | 225 | 14.69 | 10-13-70 | -- | -- | 600 | 7 | Ir | P 2½ hr, L. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|--------------------------------|--------------|----------------|----------------------|---------------------------|------------------------|---------------------|-----------------------|------------------|-------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 4 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 30bcb | L. E. Giles | Dr | 1965 | 32 | 6 | 32 | P, 23-31 | 21 | 11 | Gravel | 225 | 11.44 | 10-13-70 | -- | -- | 48 | 1 | Ir | B 1 hr. |
| 30bdc | Herbert Wutzke | Dr | 1967 | 29 | 8 | 30 | P, 19-29 | 20 | 9 | Gravel and sand | 228 | 12.84 | do | -- | -- | 400 | 14 | Ir | P 4 hr. |
| 30cab | R. C. Hathaway | Dr | 1969 | 30 | 8 | 30 | P, 25-29 | 20 | 10 | Gravel | 228 | 15.33 | do | -- | C | 30 | 0 | Ir | B 1 hr, L. |
| 32add | Kenneth Reiman | Dr | 1969 | 51 | 6 | 47 | P, 49-50 | 26 42 | 16 9 | Gravel and sand do | 245 | 24.73 | 9-10-70 | -- | J, ½ | 18 | 15 | D | Do. |
| 32ccd | Edwin Smith | Dr | 1964 | 29 | 10 | 31 | P, 19-29 | 12 | 17 | Gravel | 242 | 11 | 6- 7-64 | -- | T, 7½ | 375 | 14 | Ir | P 2 hr. Well used to irrigate about 10 acres. |
| 33dac | Earl Mershon | -- | 1961 | 41 | 6 | -- | -- | -- | -- | Sand and gravel | 250 | 20.13 | 9- 9-70 | 240 | J, ½ | -- | -- | D | |
| 34bcb | O. H. Froman | Dr | 1956 | 81 | 6 | 80 | P, 69-79 | 43 71 | 7 7 | Gravel and sand Sand | 253 | 22 | 1956 | -- | T, 5 | 175 | 49 | Ir | P 2 hr, L. |
| 35cdc | Paul Pugh | Dr | 1959 | 115 | 8 | 51 | P, 51-55, 93-111 | 51 90 | 4 21 | Gravel and sand do | 250 | 13.50 | 9- 9-70 | 540 | T, 5 | 70 | 6 | Ir | B 1 hr. H. |
| T. 12 S., R. 5 W. | | | | | | | | | | | | | | | | | | | |
| 2ccc | Steve Wilson | Dr | 1969 | 39 | 6 | 39 | P, 37-38 | 22 | 17 | Sand and gravel | 225 | 18.65 | 9-15-71 | -- | S, 3/4 | 25 | 4 | D | B 1 hr. |
| 2cdd | R. G. Atwood | Dr | 1958 | 50 | 4 | 50 | P, 48 | 40 | 10 | do | 225 | 28.68 | 10-22-70 | -- | N | 20 | 4 | D | B 1 hr, L. Water reported to leave white deposit if left to set. |
| 2cd | Willamette Petroleum Syndicate | Dr | -- | 2,150 | -- | -- | -- | 15 | 20 | do | 220 | -- | -- | -- | N | -- | -- | N | L. Well was drilled for oil; abandoned. |
| 3ccd | Larry Hall | Dr | 1968 | 40 | 6 | 38 | P, 36-37 | 31 | 7 | Gravel and sand | 220 | 23.08 | 9-15-71 | 520 | J, ½ | 8 | 14 | D | B 1 hr, L. |
| 4cad | W. J. Roughton | Dr | 1959 | 102 | 5 | -- | -- | -- | -- | -- | 255 | 41 | 9- 5-59 | 1,200 | J, 1 | 22 | 10 | D | B 1 hr. Deepened from a depth of 24 ft; water reported to be quite hard. |
| 4cbc | Real Estate Management | Dr | 1959 | 168 | 6 | 130 | P, 36-42 | 36 | 8 | Sand and gravel | 260 | 31 | 8-31-59 | 400 | J, 3/4 | 4 | -- | D | B, L. |
| 4cdc | Bruce Starker | Dr | -- | -- | 8 | -- | -- | -- | -- | -- | 235 | 10.37 | 11- 6-70 | -- | S, 2 | -- | -- | N | |
| 5ddb | David Loop | Dr | 1968 | 300 | 6 | 188 | B | 188 | 7 | Claystone | 250 | 150 | 8-30-68 | 460 | S, 3/4 | 3 | 146 | D | B 2 hr, L. |
| 6aca | Frank New | Dr | 1957 | 76 | 6 | 31 | B | -- | -- | -- | 360 | 8.80 | 6-18-57 | 250 | J, 3/4 | 30 | 10 | D | |
| 6bba | George Gunderson | Dr | 1970 | 70 | 6 | 47 | B | -- | -- | -- | 410 | 17.69 | 4- 1-71 | 220 | S | 9 | 47 | D | Air test 2 hr, L. |
| 6dcb | Clements Forest Products | Dr | 1960 | 192 | 6 | 24 | B | -- | -- | Shale | 295 | 3.55 | do | -- | N | 8 | -- | N | Water reported to be of poor quality; unfit for use in boiler. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|--------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|---------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 5 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 7adc1 | Bruce Starker | Dr | 1968 | 92 | 6 | 19 | B | -- | -- | Sandstone | 350 | 46 | 8-20-68 | 410 | S | 16 | 34 | D | B 1 hr. Owner has three wells, two of which are in use. Yield barely adequate. |
| 7adc2 | do | Dr | 1968 | 220 | 6 | 10 | B | -- | -- | do | 340 | 42.11 | 10-30-70 | -- | -- | 2½ | 168 | N | B 1 hr, L. Originally drilled to 80 ft in 1965. |
| 7add | do | Dr | 1959 | 152 | 6 | 7 | B | 148 | 2 | do | 320 | -- | -- | -- | S | 5 | -- | -- | L. |
| 7dab | M. E. Ellis | Dr | 1959 | 120 | 6 | 30 | B | -- | -- | Shale | 400 | -- | -- | -- | S, ½ | 20 | -- | -- | Reported to have another well, about 100 ft in depth, used for lawn. |
| 8aaa | Donald Russell | Dr | 1956 | 100 | 5 | 45 | B | -- | -- | do | 256 | 22.02 | 11- 6-70 | -- | S, 3/4 | 9 | -- | D | B. Reported to have short supply of water during summer. H. |
| 8dac | M. J. Olsen | Dr | 1962 | 79 | 6 | 66 | B | 66 | 13 | Sandstone | 270 | 16.84 | 10-22-70 | -- | S, 1 | 30 | 20 | D | B 1 hr, L. |
| 8dcb | Harold Johnson | Dr | 1970 | 205 | 6 | 195 | B | -- | -- | Sand, clay, and gravel | 275 | 27 | 4- 4-70 | 380 | S, ½ | 15 | 158 | D | B 3 hr, L. |
| 9bbd | Walter Schapper | Dr | 1961 | 108 | 5 | 99 | B | -- | -- | Gravel | 256 | 14 | 2-11-61 | 280 | S, ½ | 12 | -- | D | L. |
| 11adb | Mrs. Oscar Kendall | Dr | 1970 | 70 | 6 | 50 | P, 40-49 | 38 | 8 | Sand and gravel | 229 | 33.67 | 9-16-71 | -- | S, ½ | 18 | 20 | D | B 1 hr, L. |
| 12aca | Herbert Brown | Dr | -- | 30 | 10 | -- | -- | -- | -- | Gravel | 215 | 15.44 | 10-20-70 | -- | T, 25 | -- | -- | Ir | |
| 12acd | do | Dr | -- | 26 | 12 | 26 | -- | -- | -- | do | 220 | 13.09 | do | -- | C, 40 | 800 | -- | Ir | |
| 12ddb | Wayne Endicott | Dr | -- | 28½ | 12 | -- | -- | -- | -- | Sand and gravel | 220 | 16.55 | do | -- | C | -- | -- | Ir | |
| 13aab | do | Dr | -- | 29 | 12 | -- | -- | -- | -- | Gravel | 220 | 18.48 | do | -- | C | -- | -- | Ir | |
| 13cdc | Roy Hathaway | Dr | 1970 | 33 | 6 | -- | -- | -- | -- | Gravel and sand | 223 | 18.10 | 10-13-70 | -- | N | -- | -- | Ir | |
| 13cdc | Gilbert Thompson | Dr | 1962 | 26 | 5 | 26 | P, 20-24 | 20 | 6 | do | 223 | 14.27 | do | -- | C, 1½ | 20 | -- | Ir | B 1 hr. Pump will run 40 gpm. Well will yield more. |
| 14dbb | Ivan Chorak | Dr | 1970 | 45 | 6 | 45 | P, 40-45 | 33 | 10 | Gravel | 237 | 19.35 | 11- 4-70 | -- | S | 100 | 29 | D | B 1 hr, L. |
| 15ddd | W. Schoolcraft | Dr | 1967 | 39 | 6 | 38 | P, 37-38 | 28 | 9 | Sand and gravel | 237 | 18.36 | do | 480 | J, ½ | 20 | 15 | -- | Do. |
| 17ada | F. H. Watenpaugh | Dr | 1955 | 58 | 4 | 32 | B | 32 55 | 4 3 | Gravel Gravel and clay | 264 | 27.58 | 11- 5-70 | -- | J | 10 | 8 | D | L. |
| 18ada | Clayton Mann | -- | 1945 | 85 | 6 | -- | -- | -- | -- | -- | 270 | 33.69 | do | 580 | S, 1 | -- | -- | D,S | Well used as water supply for two homes. |
| 18bdb2 | Owen Faxon | Dr | 1958 | 188 | 6 | 16 | B | 32 180 | -- 8 | Sandstone Shale | 250 | 15 | 7- 3-58 | -- | J | 30 | 125 | S | Another well at this location reported to have high sulfur content; water unused. P 2 hr, L. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|-------------|--------------------|--------------|----------------|----------------------|---------------------------|------------------------|--------------------------------|-----------------------|------------------|--|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|------|--|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| 18cdb | Owen Faxon | Dg | -- | 66+ | 36 | -- | B | -- | -- | -- | 248 | 10.40 | 11- 5-70 | -- | N | -- | -- | -- | |
| 20acd | Joseph Lachek | Dr | 1959 | 100 | 10 | 92 | P, 56-92 | 25 54 75 | 11 8 19 | Gravel and clay Sand and gravel do | 235 | 5.05 | 2-11-71 | -- | T, 15 | 200 | 58 | N | L. Well formerly used for irrigation. H. |
| 20adc | Neil Campbell, Jr. | Dr | 1969 | 37 | 6 | 37 | P, 34½-36½ | 24 | 12 | do | 237 | 16.70 | 11- 5-70 | -- | S | 22 | 11 | D | B 1 hr, L. |
| 21ddd | Billy Day | Dr | -- | 48 | 6 | -- | -- | -- | -- | -- | 240 | 18.24 | 11- 6-70 | 530 | J, 1 | -- | -- | D | |
| 22cdb | City of Corvallis | Dr | 1957 | 57 | 8 | 40 | Sc, 40-55 | 37 50 | 9 7 | Gravel Sand and gravel | 240 | 18 | 7- -57 | -- | T | 110 | 32½ | PS | P 24 hr, L. |
| 22dca2 | do | Dr | 1965 | 50 | 8 | 44 | P, 33-43 | 32 | 12 | Gravel and sand | 240 | 25.50 | 11- 4-70 | 606 | T, 5 | 110 | 18 | PS | P 4 hr, L, Ca. |
| 23cba | H. E. Huston | Dr | 1968 | 52 | 6 | 52 | P, 45-50 | 32 | 20 | Gravel | 242 | 30.92 | do | 520 | J | 30 | 2 | D | B 2 hr, L. |
| 24abd | V. Stuewe | Dr | 1966 | 50 | 6 | 39 | P, 32-37 | 20 | 18 | Sand and gravel | 225 | 20 | 6-21-66 | -- | S, 1½ | 60 | 0 | D,Ir | Do. |
| 24bab | Mr. Kuykendall | Dr | 1968 | 30 | 8 | -- | -- | -- | -- | do | 223 | 17.54 | 10-13-70 | -- | C, 10 | -- | -- | D,Ir | |
| 24bcd | Herbert Wutzke | Dr | 1970 | 53 | 6 | -- | -- | -- | -- | do | 220 | 16.36 | do | -- | N | -- | -- | N | Well reported to have inadequate yield for irrigation. |
| 24cab | do | Dr | 1970 | 44 | 8 | -- | -- | -- | -- | do | 225 | 17.72 | do | -- | N | -- | -- | Ir | Do. |
| 29aad | John Sutter | Dr | -- | 50 | 5 | -- | -- | -- | -- | -- | 236 | 19.70 | 11- 4-70 | 550 | C, ½ | -- | -- | D | Water reported to have bad taste and excessive iron. |
| 29cbc | William Furtick | Dr | 1969 | 80 | 8 | 70 | P, 58-68 | 58 | 10 | Sand and clay-stone | 253 | 33.02 | do | -- | N | 35 | 15 | N | B 2 hr, L. |
| 30aca | R. J. Brown | Dr | 1945 | 87 | 5 | -- | -- | -- | -- | -- | 285 | 54.85 | 11- 5-70 | 200 | S, 3/4 | -- | -- | D | |
| 30bda | Wayne Anderson | Dr | 1969 | 100 | 6 | 100 | B | 94 | 6 | Sand and gravel | 315 | 67 | 7- 3-69 | 215 | S, ½ | 25 | 15 | D | B 1 hr, L. |
| 30dac | William Furtick | Dr | 1970 | 180 | 6 | 180 | B | -- | -- | Sand, clay, and gravel | 320 | 90 | 3-22-70 | 541 | S | 55 | 70 | D | Air test 2 hr, L, Ca. |
| 31ada | Leighton Davis | Dr | 1970 | 118 | 10 | 118 | P, 33-37, 70-77, 107-117 | 30 70 103 | 5 7 11 | Sand Sand and gravel do | 240 | 21 | 8-10-70 | -- | N | 250 | 41 | Ir | P 2½ hr, L. |
| 31bac | Leonard Nitka | -- | 1955+ | 94 | 6 | 94 | P, 40 | -- | -- | Sand | 245 | 9 | -- | 500 | J | 225 | 41 | D | P 12 hr. |
| 31dca1 | Leighton Davis | Dr | 1967 | 94 | 6 | 94 | P, 31-35, 89-94 | 29 90 | 6 4 | do Gravel and sand | 296 | 60.75 | 11- 3-70 | 65 | S | 20 | 42 | D | B 2 hr, L. |
| 31dca2 | do | Dr | 1970 | 97 | 6 | 98 | P, 33-37, 87-97 | 31 86 | 7 12 | Sand and gravel do | 296 | 68 | 7-15-70 | -- | S | 15 | 10 | D | B 2 hr. |
| 32abc | Fred Allen | Dr | 1950 | 45 | 6 | 45 | -- | -- | -- | do | 240 | 17.55 | 11- 6-70 | 1,000 | J | 15+ | -- | D | |

T. 12 S., R. 5 W.--Continued

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|------------------|--------------|----------------|----------------------|---------------------------|------------------------|--|-------------------------|--------------------|---|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 5 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 32cbd | Leighton Davis | Dr | 1967 | 114 | 8 | 114 | P, 39-47, 71-77, 101-112 | 39 71 100 | 8 7 12 | Gravel and sand Sand and gravel do | 240 | 15.50 | 11- 3-70 | -- | S | 45 | 3 | Ir | B 2 hr. Reported to pump small amount of sand. Well used to irrigate 15-20 acres of corn. |
| 32ccb | do | Dr | 1966 | 114 | 8 | 114 | P, 34-41, 65-80, 90-102 | 34 65 98 | 7 10 4 | do do do | 245 | 17.80 | do | -- | S | 220 | 66 | Ir | P 4 hr, L. Water from bottom part of formation penetrated by well reported to be of poorer quality than that from upper part. |
| 35bab | C. E. Jones | Dr | 1961 | 42 | 6 | 42 | P, 38-42 | 38 | 6 | do | 241 | 28.62 | 10-12-70 | -- | J, 1 | 28 | 0 | D | B 1 hr, L. |
| T. 12 S., R. 6 W. | | | | | | | | | | | | | | | | | | | |
| 1cba | C. M. Lakin | Dr | 1967 | 67 | 6 | 41 | P, 31-39 | 31 | 8 | Lava rock | 360 | 30 | 9- 7-67 | 320 | S | 16 | 37 | D | B 1½ hr. Water possibly high in iron; reported to stain bathroom fixtures. |
| 1cbd | Edward Lakaff | Dr | 1966 | 45 | 6 | 43 | P, 36-43 | 36 | 7 | do | 360 | 22.94 | 10- 9-70 | 380 | S, 1/3 | 50 | 9 | D | B 1 hr, L. |
| 1dba | Ralph Emerson | Dr | 1968 | 50 | 6 | 36 | B | -- | -- | do | 335 | 9.00 | 4- 1-71 | 320 | S, 1 | 27 | 24 | D | |
| 3bca | Lee Noble | Dr | 1945 | 65± | 6 | -- | -- | -- | -- | do | 400 | -- | -- | 260 | J, 1 | -- | -- | D | |
| 3cda | do | Dr | 1945 | 80± | 6 | -- | -- | -- | -- | do | 330 | -- | -- | 280 | C, 1/3 | -- | -- | D | Reported to flow most of year. |
| 10dad1 | D. B. Lorain | Dr | -- | 70 | 5 | -- | B | -- | -- | do | 325 | 21.90 | 10- 7-70 | -- | N | -- | -- | N | Yield inadequate even for light domestic use. |
| 10dad2 | do | Dr | 1970 | 225 | 6 | 24 | B | 69 | -- | do | 325 | 39.92 | do | 220 | S, 3/4 | 16 | 210 | D | B 1 hr, L. |
| 11aac | Gary Hobin | Dr | 1971 | 98 | 6 | 40 | B | -- | -- | do | 440 | 53.25 | 8-25-71 | 280 | S, ½ | 24 | 38 | D | B 1 hr. |
| 12cdd | Hobin Lumber Co. | Dr | 1957 | 154 | 8 | 150 | P, 84-88, 98-110, 122-141 | 84 98 122 | 4 12 18 | Gravel and sand Gravel Gravel, sand, and clay | 265 | 13.25 | 10- 9-70 | -- | T, 7½ | 125 | 75 | In | P 4 hr. H. |
| 12dac | School Dist. 17C | Dr | 1957 | 250 | 8 | 169 | P, 60-70, 104-109, 140-145, 163-169 | 60 140 105 160 | 10 5 5 10 | Sand, gravel, and clay Gravel Clay and gravel Sandstone | 272 | 14.90 | 10- 8-70 | -- | S | 8 | 225 | PS | B 2 hr, L. |
| 12cd | Hobin Lumber Co. | Dr | 1970 | 169 | 8 | 169 | P, 158-168 | 155 | 12 | Gravel and sand | 275 | 17 | 6-22-70 | 2,050 | S, 7½ | 75 | 128 | In | P 3 hr, L, Ca. |
| 13aba | do | -- | 1953 | 150 | 8 | 150 | P | -- | -- | do | 260 | 12.63 | 10- 9-70 | 1,600 | T, 20 | -- | -- | In | Water reported to have sulfur taste. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|--------------------|--------------|----------------|----------------------|---------------------------|------------------------|----------|-----------------------|------------------|------------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 6 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 13aca | George Sawyer, Jr. | Dr | -- | 150+ | 10 | -- | -- | -- | -- | -- | 255 | 2.42 | 5-22-71 | -- | N | -- | -- | N | Water reported to be too saline to use. |
| 13cbd | Eugene Hockema | Dr | 1967 | 296 | 6 | 20 | B | 293 | 3 | Basalt | 290 | 41.87 | 10- 7-70 | 310 | S, 3/4 | 30 | 35 | D | B 2 hr, L. |
| 13dba | George Sawyer, Sr. | Dr | -- | 100+ | 10 | -- | -- | -- | -- | -- | 255 | 6.88 | 5-26-71 | -- | T, 40 | -- | -- | N | Well has been used for irrigation; reported to make sand. |
| 14bab | Wayne Wigle | Dr | 1961 | 107 | 5 | 30 | B | 103 | 4 | Basalt | 300 | 40.05 | 10- 7-70 | 300 | J, 3/4 | 30 | 18 | D | B 1 hr, L. |
| 14dcc | Frank Nordyke | Dr | 1968 | 501 | 6 | 25 | B | 497 | 4 | Sandstone | 350 | Flows | 8-25-71 | 206 | C, 3/4 | 30 | 150 | D | B 4 hr, L, Ca. Flows 10 gpm. |
| 15aac | V. A. Cone | Dr | 1971 | 605 | 10 | 18 | B | -- | -- | do | 339 | 9.26 | 5-19-71 | 709 | S | 150 | 595 | D | Air test 2 hr, L, Ca. |
| 15cba | A. L. Gellatly | Dr | 1968 | 82 | 6 | 46 | B | 54 | 28 | Basalt | 315 | 18.20 | 10- 6-70 | 180 | S | 30 | 40 | D | B 2 hr, L. |
| 16bdb | Ray Gellatly | Dr | -- | 90 | 6 | -- | B | -- | -- | Lava rock | 316 | -- | -- | 280 | J, 3/4 | 15 | -- | D | |
| 20dcc | Joseph Kochis | Dr | -- | 100 | 10 | -- | B | -- | -- | do | 480 | 23.67 | 9- 6-70 | 180 | J, 3/4 | -- | -- | D | |
| 21bbd | Sharon Spears | Dr | 1970 | 200 | 6 | 20 | B | -- | -- | do | 350 | 8 | 8- -70 | 180 | S, 1 | 5 | 192 | D | B 2 hr, L. Water reported to have hydrogen sulfide smell after pumping for long period. |
| 21cba | Glen Beall | Dr | 1970 | 131 | 6 | 35 | B | -- | -- | do | 330 | 17.14 | 10- 5-70 | 600 | J, 1/2 | -- | -- | D | |
| 22aac | Unknown | Dr | 1970 | 285 | 6 | -- | B | -- | -- | do | 500 | 30 | 3- 5-70 | -- | S, 3/4 | 5 | 255 | D | B 2 hr. Well deepened from 195 ft. |
| 22abd | J. W. Smith | Dr | 1970 | 212 | 6 | 20 | B | -- | -- | Basalt | 600 | 52.30 | 10- 8-70 | 320 | S | 20 | 132 | D | B 3 hr, L. |
| 24dbc | A. W. Roady | Dr | 1968 | 360 | 6 | 93 | B | 135 | 20 | Sandstone | 320 | 60 | 8- -68 | 340 | S, 1 | 2-3 | -- | D | L. Two wells, each about 70 ft deep, drilled at this location, yielded water insufficient for domestic use. |
| 25abb | Herb Pugh | Dr | 1967 | 70 | 6 | 58 | B | -- | -- | Clay, sand, and gravel | 312 | 16.13 | 10- 8-70 | 80 | S, 3/4 | 15 | 30 | D | B 2 hr, L. Drilled to 195 ft; backfilled to 70 ft. |
| 25cbb | Kenneth Durrell | Dr | 1952 | 69 | 4 | -- | B | -- | -- | Claystone | 321 | 20.40 | do | -- | J, 1/2 | -- | 3 | D | Reported to have low yield. Used with well -26daa for domestic and stock uses. |
| 25cbc | Todd Bledsoe | Dr | 1966 | 60 | 6 | 31 | B | -- | -- | -- | 360 | 10.67 | do | -- | J, 3/4 | 60 | 3 | D | B 1 hr. |
| 25dac | J. W. Gaskill | Dr | 1960 | 40 | 6 | 36 | B | 15 | 22 | Sand | 305 | 15.29 | 11- 4-70 | 135 | J, 1/2 | 10 | -- | D | |
| 25dbb | W. L. Howard | Dr | 1958 | 225 | 6 | 202 | B | -- | -- | Clay and shale | 310 | 31.40 | 3-10-70 | 300 | S | 2-3 | -- | D | L. |
| 26cba | R. H. Munger | Dr | 1968 | 106 | 6 | 90 | P, 63-88 | -- | -- | Lava rock | 450 | 38.12 | 10- 8-70 | 180 | S | 50+ | 15 | D | B 1 hr, L. Water reported to contain excessive iron. |

Table 1.--Records of wells in the Corvallis-Albany area--Continued

| Well number | Owner | Type of well | Year completed | Depth of well (feet) | Diameter of well (inches) | Depth of casing (feet) | Finish | Water-bearing zone(s) | | | Altitude (feet) | Water level | | Specific conductance of water | Type of pump and hp | Well performance | | Use | Remarks |
|------------------------------|-------------------|--------------|----------------|----------------------|---------------------------|------------------------|--------|-----------------------|------------------|-----------------------|-----------------|------------------|----------|-------------------------------|---------------------|------------------|------------------|-----|---|
| | | | | | | | | Depth to top (feet) | Thickness (feet) | Character of material | | Feet below datum | Date | | | Yield (gpm) | Draw-down (feet) | | |
| T. 12 S., R. 6 W.--Continued | | | | | | | | | | | | | | | | | | | |
| 26daa | Kenneth Durrell | Dr | 1957 | 85 | 8 | 56 | B | 55 78 | 2 2 | Sand do | 300 | 22 | 10-13-57 | -- | J | 13 | 45 | D | B 1 hr. Production reported to have fallen off and well to have low yield. |
| 27dcb | Lemont McCracken | Dr | 1967 | 208 | 6 | 25 | B | -- | -- | Lava rock | 550 | 28 | 6-7-67 | 280 | -- | 1 | 180 | D | B 2 hr, L. Two other wells at this location also have low yields. |
| 29adb | Denis Nusbaum | Dg | 1967 | 14 | 60 | 14 | B | -- | -- | Sand | 370 | 9.28 | 10-5-70 | 170 | S, ½ | -- | -- | D | |
| 34bba1 | Robert Christ | Dr | 1969 | 252 | 6 | 33 | B | -- | -- | -- | 480 | 35 | 2-9-65 | -- | N | 2 | 69 | N | B 2 hr, L. Well yields insufficient water for use. Well originally drilled to 108 ft in 1965. |
| 34bba2 | do | Dr | 1969 | 82 | 6 | 29 | B | 77 | 5 | Lava rock | 480 | 50.08 | 10-8-70 | -- | S | 30 | 1 | D | B 2 hr, L. |
| 34daa | C. A. Gartner | Dr | 1956 | 55 | 6 | 30 | B | -- | -- | do | 500 | 43 | 10-7-70 | 330 | J, 1 | 30 | -- | D | |
| 35bbd | J. D. Wernz | Dr | 1967 | 38 | 6 | 30 | B | 15 | 23 | do | 350 | 7.78 | 10-8-70 | 180 | J, ½ | 30 | 8 | D | B 3 hr. |
| 35dbd | R. C. Simon | Dr | -- | 70 | 6 | -- | B | -- | -- | do | 300 | 28.38 | 10-7-70 | 360 | S, 3/4 | -- | -- | -- | |
| 36acc | Darrell Henderson | Dr | 1967 | 250 | 6 | 22 | B | 221 | 2 | Claystone | 260 | 68.26 | 10-8-70 | -- | S, 3/4 | 3 | 177 | D | B 3 hr, L. Reported to have low yield. Two other wells at this location also reported to have low yield barely adequate for domestic use. |

Table 2.--Drillers' logs of representative wells

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|--|--------------------------|-----------------|---|--------------------------|-----------------|
| <p><u>10S/3W-28bcd.</u> Boise Cascade Corp. Altitude 250 ft. Drilled by Ace Drilling Co., 1959. Casing: 6-in. diam to 25 ft; perforated 34-40 ft and 45-50 ft</p> | | | <p><u>10S/3W-31dbd1.</u> Country Village Water System. Altitude 190 ft. Drilled by Valley Well Drillers, 1967. Casing: 12-in. diam to 29 ft; perforated 21-26 ft</p> | | |
| Soil and clay----- | 15 | 15 | Soil----- | 2 | 2 |
| Sand, brown----- | 35 | 50 | Clay, brown----- | 5 | 7 |
| Clay, sandy----- | 10 | 60 | Gravel----- | 17 | 24 |
| Clay, blue----- | 20 | 80 | Sand and gravel----- | 3 | 27 |
| | | | Shale, dark-blue----- | 48 | 75 |
| <p><u>10S/3W-28dca.</u> Shell Oil Co. Altitude 242 ft. Drilled by Robinson Drilling & Supply, 1959. Casing: 6-in. diam to 185 ft; unperforated</p> | | | <p><u>10S/3W-32bcd.</u> R. V. Kenagy. Altitude 200 ft. Drilled by Schoen Electric & Pump, 1969. Casing: 8-in. diam to 41 ft; perforated 24-39 ft</p> | | |
| Clay, yellow----- | 7 | 7 | Clay----- | 14 | 14 |
| Clay, light-brown----- | 3 | 10 | Sand and gravel, with clay----- | 15 | 29 |
| Clay, orange----- | 3 | 13 | Gravel, slightly cemented----- | 5 | 34 |
| Clay, light-brown----- | 10 | 23 | Claystone, blue----- | 11 | 45 |
| Clay, orange----- | 7 | 30 | | | |
| Clay, dark-brown, with wood fragments and leaves----- | 2 | 32 | <p><u>10S/3W-32bda.</u> Cooley's Dairy. Altitude 190 ft. Drilled by Babcock Well Drilling, 1969. Casing: 6-in. diam to 45 ft; perforated 35-43 ft</p> | | |
| Clay, blue----- | 25 | 57 | Clay and silt----- | 20 | 20 |
| Clay, dark-gray----- | 3 | 60 | Sand and gravel, silty----- | 15 | 35 |
| Clay, blue----- | 10 | 70 | Sand, brown, fine to medium----- | 10 | 45 |
| Sandstone, light-blue, soft----- | 75 | 145 | Sandstone, blue, soft----- | 15 | 60 |
| Clay, black, with wood fragments----- | 25 | 170 | | | |
| Clay, brown----- | 8 | 178 | <p><u>10S/3W-33dbb2.</u> George Settlemeir. Altitude 212 ft. Drilled by Ace Drilling Co., 1957. Casing: 8-in. diam to 58 ft; perforated 52-57 ft</p> | | |
| Clay, gray----- | 7 | 185 | Soil and clay, yellow----- | 20 | 20 |
| | | | Clay, yellow, and gravel----- | 30 | 50 |
| <p><u>10S/3W-30dbc.</u> Springhill Country Club. Altitude 190 ft. Drilled by Merle Warren Well Drilling, 1964. Casing: 10-in. diam to 30 ft; perforated 18-30 ft</p> | | | Sand, brown, and gravel----- | 8 | 58 |
| Soil----- | 3 | 3 | Shale, blue----- | 17 | 75 |
| Loam, sandy----- | 7 | 10 | | | |
| Sand and gravel----- | 4 | 14 | <p><u>10S/4W-25bdd.</u> J. L. Lindquist. Altitude 375 ft. Drilled by Klaus & Beagley Drilling Co., 1959. Casing: 6-in. diam to 88 ft; perforated 81-87 ft</p> | | |
| Gravel----- | 11 | 25 | Soil----- | 3 | 3 |
| Sand and gravel----- | 6 | 31 | Clay, yellow, soft----- | 32 | 35 |
| Sandstone, hard----- | 4 | 35 | Clay, gray, sandy, soft----- | 40 | 75 |
| | | | Shale, blue----- | 30 | 105 |
| <p><u>10S/3W-31acc.</u> J. W. Arrington. Altitude 200 ft. Drilled by Merle Warren Well Drilling, 1960. Casing: 6-in. diam to 36 ft; perforated 24-32 ft</p> | | | Sandstone, gray, hard----- | 10 | 115 |
| Soil----- | 3 | 3 | Shale, blue----- | 20 | 135 |
| Clay, sandy----- | 12 | 15 | Sand, gray----- | 20 | 155 |
| Gravel, dirty----- | 7 | 22 | Sandstone, dark-gray----- | 29 | 184 |
| Sand, fine----- | 5 | 27 | | | |
| Sand, coarse----- | 5 | 32 | <p><u>10S/4W-25ddd1.</u> Parker-Oak Grove Water Improvement Dist. Altitude 190 ft. Drilled by Ace Drilling Co., 1959. Casing: 12-in. diam to 30 ft; perforated 23-30 ft</p> | | |
| Gravel, water-bearing----- | 4 | 36 | Soil, brown----- | 3 | 3 |
| | | | Clay, brown----- | 4 | 7 |
| <p><u>10S/3W-31bda.</u> Springhill Country Club. Altitude 198 ft. Drilled by Merle Warren Well Drilling, 1964. Casing: 8-in. diam to 36 ft; perforated 25-36 ft</p> | | | Sand, brown, fine, and a little clay----- | 9 | 16 |
| Soil----- | 15 | 15 | Sand and gravel----- | 14 | 30 |
| Clay and gravel----- | 10 | 25 | | | |
| Sand and gravel----- | 11 | 36 | <p><u>10S/4W-25ddd3.</u> Riverview Water Service Corp. Altitude 190 ft. Drilled by Ace Drilling Co., 1963. Casing: 12-in. diam to 33 ft; perforated 27-32 ft</p> | | |
| Sandstone, gray----- | 4 | 40 | Soil and clay, brown----- | 8 | 8 |
| | | | Clay and sand, brown----- | 8 | 16 |
| <p><u>10S/3W-31dbcl.</u> Country Village Water System. Altitude 205 ft. Drilled by Valley Well Drillers, 1967. Casing: 12-in. diam to 40 ft; perforated 25-37 ft</p> | | | Gravel and brown sand----- | 3 | 19 |
| Soil----- | 3 | 3 | Gravel, river run, dark-brown----- | 10 | 29 |
| Clay, brown----- | 15 | 18 | Gravel, lighter brown; some oxidation----- | 4 | 33 |
| Gravel, coarse----- | 8 | 26 | | | |
| Claystone, blue----- | 9 | 35 | | | |
| Sand----- | 3 | 38 | | | |
| Claystone, blue----- | 41 | 79 | | | |
| Rock, dark-blue, decomposed----- | 6 | 85 | | | |
| Claystone, blue----- | 41 | 126 | | | |
| Rock, brown----- | 4 | 130 | | | |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|--|--------------------------|-----------------|
| <u>10S/4W-33baa.</u> Myron Kutsch. Altitude 255 ft. Drilled by Merle Warren Well Drilling, 1969. Casing: 6-in. diam to 29 ft; unperforated | | | <u>11S/3W-6add.</u> Redeturf, Inc. Altitude 190 ft. Drilled by Merle Warren Well Drilling, 1969. Casing: 12-in. diam to 42 ft; perforated 28-40 ft | | |
| Soil----- | 2 | 2 | Soil----- | 18 | 18 |
| Clay, brown----- | 7 | 9 | Gravel----- | 10 | 28 |
| Clay, yellow----- | 17 | 26 | Sand, brown, and gravel----- | 13 | 41 |
| Shale, gray----- | 56 | 82 | Clay, blue----- | 3 | 44 |
| Shale, light gray----- | 13 | 95 | | | |
| Shale, brown----- | 12 | 107 | <u>11S/3W-7dcb2.</u> E. S. Dirrett. Altitude 225 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 6-in. diam to 51 ft; perforated 39-49 ft | | |
| Shale, gray----- | 18 | 125 | Soil----- | 3 | 3 |
| <u>10S/4W-35aba.</u> Edward Steeprow. Altitude 302 ft. Bored by Bob's Well Drilling, 1967. Casing: 30-in. diam to 40 ft; perforated 20-40 ft | | | Clay----- | 18 | 21 |
| Soil----- | 4 | 4 | Clay and boulders----- | 9 | 30 |
| Clay, yellow and brown----- | 12 | 16 | Gravel----- | 5 | 35 |
| Clay, gray, with sand; water-bearing----- | 24 | 40 | Gravel, coarse----- | 5 | 40 |
| | | | Sand, black, and gravel----- | 11 | 51 |
| <u>10S/4W-35acc.</u> Howard Ochse. Altitude 283 ft. Drilled by Merle Warren Well Drilling, 1956. Casing: 6-in. diam to 36½ ft; perforated 24-36 ft | | | <u>11S/3W-8ccb.</u> Allan Steen. Altitude 227 ft. Drilled by Frank Wagy Well Drilling, 1964. Casing: 6-in. diam to 56 ft; perforated 46-56 ft | | |
| Soil----- | 4 | 4 | Soil, brown, loose----- | 3 | 3 |
| Clay, sandy----- | 21 | 25 | Clay, gray----- | 22 | 25 |
| Clay, red----- | 5 | 30 | Sand, medium-fine, water-bearing----- | 10 | 35 |
| Sand, black----- | 5 | 35 | Gravel, medium and coarse, and black sand----- | 22½ | 57½ |
| Clay----- | 15 | 50 | | | |
| Clay, brown----- | 5 | 55 | <u>11S/3W-8dbb.</u> M. L. Cooley. Altitude 223 ft. Drilled by C. A. Schafer, 1949. Casing: 8-in. diam to 75 ft; perforated at unknown depth | | |
| Shale, blue----- | 45 | 100 | Clay----- | 13 | 13 |
| <u>10S/4W-36ddd.</u> Frank Merrill. Altitude 200 ft. Drilled by Schoen Electric & Pump, 1969. Casing: 6-in. diam to 61 ft; perforated 51-59 ft | | | Conglomerate----- | 6 | 19 |
| Clay----- | 12 | 12 | Gravel, water-bearing----- | 4 | 23 |
| Clay, sandy----- | 7 | 19 | Gravel and clay----- | 26 | 49 |
| Sand, fine----- | 14 | 33 | Gravel, water-bearing----- | 6 | 55 |
| Sand, coarse----- | 3 | 36 | Clay, blue----- | 10 | 65 |
| Clay, blue----- | 11 | 47 | Gravel, blue, and sand and clay streaks, water-bearing----- | 10 | 75 |
| Sand, fine to medium----- | 13 | 60 | Clay, sandy----- | 14 | 89 |
| Sandstone, blue----- | 10 | 70 | | | |
| <u>11S/3W-4acb.</u> A. M. Ropp. Altitude 215 ft. Drilled by West Well Drilling, 1961. Casing: 6-in. diam to 59 ft; unperforated | | | <u>11S/3W-9ada.</u> Eugene Spear. Altitude 223 ft. Drilled by Ace Drilling Co., 1961. Casing: 6-in. diam to 70 ft; perforated 66-69 ft | | |
| Soil, brown clay, and small-sized gravel----- | 5 | 5 | Soil, clay, and gravel----- | 10 | 10 |
| Sand and gravel, unconsolidated, much brown silt and a few thin layers of clay----- | 30 | 35 | Gravel, medium-sized----- | 24 | 34 |
| Sand and gravel, cemented, with brown clay----- | 7 | 42 | Clay, blue----- | 10 | 44 |
| Clay, tan, sandy----- | 15½ | 57½ | Sand and gravel----- | 11 | 55 |
| Sand, loose, and clean gravel, water-bearing--- | 1½ | 59 | Clay, dark----- | 10 | 65 |
| | | | Sand and gravel, black----- | 5 | 70 |
| <u>11S/3W-4bcc.</u> Waverly Masonic Cemetery. Altitude 215 ft. Drilled by Ace Drilling Co., 1963. Casing: 6-in. diam to 63 ft; perforated 59-62 ft | | | <u>11S/3W-9ddd.</u> Al Mitchell. Altitude 240 ft. Drilled by Frank Wagy Well Drilling, 1966. Casing: 10-in. diam to 145 ft; perforated 63-82 ft and 126-143 ft | | |
| Soil and clay----- | 16 | 16 | Soil, brown----- | 2 | 2 |
| Gravel and clay----- | 12 | 28 | Clay, brown----- | 15½ | 17½ |
| Gravel, clay, and sand----- | 27 | 55 | Gravel, cemented----- | 29½ | 47 |
| Gravel and sand----- | 8 | 63 | Clay, blue----- | 37 | 84 |
| | | | Sand, water-bearing----- | 21 | 105 |
| <u>11S/3W-5ded.</u> Tops Restaurant. Altitude 220 ft. Drilled by Hamilton Well Drilling Co., 1958. Casing: 6-in. diam to 50 ft; perforated 32-39 ft | | | Clay, brown, sandy----- | 25 | 130 |
| Soil and clay----- | 14 | 14 | Gravel, large- and medium-sized----- | 16 | 146 |
| Clay, brown, and gravel----- | 11 | 25 | | | |
| Sand and gravel----- | 25 | 50 | <u>11S/3W-17bda.</u> J. T. Anderson. Altitude 229 ft. Drilled by Hamilton Well Drilling Co., 1960. Casing: 6-in. diam to 66 ft; perforated 32-38 ft and 58-64 ft | | |
| | | | Soil and clay----- | 29 | 29 |
| | | | Sand and gravel----- | 37 | 66 |
| | | | Clay, blue----- | 4 | 70 |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|--|--------------------------|-----------------|---|--------------------------|-----------------|
| <u>11S/3W-18abc.</u> W. H. Dolmyer. Altitude 228 ft. Drilled by Merle Warren Well Drilling, 1969. Casing: 6-in. diam to 59 ft; perforated 48-57 ft | | | <u>11S/3W-21abb.</u> Grand Prairie Water Supply Corp. Altitude 238 ft. Drilled by Lewis Crispin, 1962. Casing: 10-in. diam to 100 ft; unperforated | | |
| Soil----- | 1 | 1 | Soil----- | 10 | 10 |
| Clay, brown----- | 11½ | 12½ | Clay, brown----- | 5 | 15 |
| Clay and gravel----- | 17½ | 30 | Clay, blue----- | 1 | 16 |
| Sand, brown, and gravel----- | 12 | 42 | Gravel, medium-sized----- | 8 | 24 |
| Clay and gravel----- | 9 | 51 | Clay, with sand----- | 26 | 50 |
| Sand, black, and gravel----- | 8 | 59 | Clay, brown----- | 10 | 60 |
| <u>11S/3W-19baa.</u> Oregon Metallurgical Corp. Altitude 225 ft. Drilled by Merle Warren Well Drilling, 1970. Casing: 12-in. diam to 192 ft; perforated 177-192 ft | | | <u>11S/3W-32bab.</u> H. W. Ehrlich. Altitude 243 ft. Drilled by Raymond C. Gellatly, 1952. Casing: 10-in. diam to 102 ft; perforated at unknown depths | | |
| Soil----- | 2 | 2 | Clay----- | 16 | 16 |
| Clay, brown----- | 11 | 13 | "Hardpan"----- | 11 | 27 |
| Clay, blue----- | 4 | 17 | Clay----- | 2 | 29 |
| Gravel, dirty----- | 12 | 29 | Gravel----- | 7 | 36 |
| Clay, brown----- | 2 | 31 | Clay----- | 5 | 41 |
| Gravel, dirty----- | 5 | 36 | "Hardpan"----- | 9 | 50 |
| Clay, brown, and gravel----- | 13 | 49 | Gravel, loose----- | 4 | 54 |
| Clay, blue, and gravel----- | 3 | 52 | Gravel----- | 11 | 65 |
| Clay, black, sandy----- | 5 | 57 | Gravel and clay----- | 20 | 85 |
| Clay, black, sandy, and gravel----- | 12 | 69 | Gravel, brown, and sand----- | 5 | 90 |
| Wood log----- | 2½ | 71½ | Gravel and clay----- | 14 | 104 |
| Clay, blue, and gravel----- | 2½ | 74 | Sand, black----- | 4 | 108 |
| Clay, black, sandy, and gravel----- | 5 | 79 | Gravel, loose----- | 14 | 122 |
| Clay, blue----- | 4 | 83 | <u>11S/3W-33caa.</u> Rem Metals Corp. Altitude 259 ft. Drilled by F. J. Studebaker, 1968. Casing: 12-in. diam to 182 ft; perforated 33-175 ft | | |
| Clay, blue, sandy----- | 6 | 89 | Soil----- | 4 | 4 |
| Clay, black, sandy----- | 6 | 95 | Clay----- | 19 | 23 |
| Clay, brown----- | 5 | 100 | Sand and gravel, loose----- | 2 | 25 |
| Clay, black, sandy----- | 10½ | 110½ | Gravel, cemented----- | 8 | 33 |
| Sand, black, and gravel----- | 14½ | 125 | Sand and gravel----- | 4 | 37 |
| Clay, blue, and gravel----- | 8 | 133 | Gravel, cemented----- | 7 | 44 |
| Sand, black, and gravel----- | 4 | 137 | Gravel and silt----- | 9 | 53 |
| Clay, black, sandy, and gravel----- | 9 | 146 | Gravel, cemented----- | 4 | 57 |
| Sand, black, and gravel----- | 4 | 150 | Gravel----- | 16 | 73 |
| Clay, blue----- | 6 | 156 | Sand, coarse----- | 9 | 82 |
| Clay, brown----- | 5 | 161 | Clay, blue----- | 13 | 95 |
| Clay, blue----- | 4 | 165 | Sand, coarse, and small-sized gravel, 1/4 in.----- | 27 | 122 |
| Clay, black----- | 10 | 175 | Gravel, small-sized, with blue clay----- | 56 | 178 |
| Sand, black, and pea-sized gravel----- | 7 | 182 | Shale, blue, hard----- | 7 | 185 |
| Clay, dark-brown, and wood----- | 3 | 185 | Shale, blue, sticky----- | 18 | 203 |
| Clay, black----- | 5 | 190 | <u>11S/4W-1aac2.</u> Gibson Hill Water Improvement Dist. Altitude 205 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 8-in. diam to 35 ft; perforated 24-33 ft | | |
| Clay, brown----- | 7 | 197 | Soil and sandy loam----- | 21 | 21 |
| Clay, brown, sandy----- | 3 | 200 | Gravel----- | 8 | 29 |
| <u>11S/3W-19bab2.</u> Oregon Metallurgical Corp. Altitude 226 ft. Drilled by Merle Warren Well Drilling, 1969. Casing: 12-in. diam to 160 ft; perforated 40-45 ft, 95-100 ft, and 146-159 ft | | | <u>11S/4W-1add3.</u> Raybar Bldg. Altitude 210 ft. Drilled by A. M. Janssen Drilling Co. prior to 1938. Casing: 12-in. diam to unknown depth | | |
| Soil----- | 3 | 3 | Soil and clay----- | 5 | 5 |
| Clay, brown----- | 10 | 13 | Sand, dry----- | 18 | 23 |
| Clay, blue----- | 5 | 18 | Shale----- | 102 | 125 |
| Gravel, dirty----- | 13½ | 31½ | Shale and some gravel----- | 5 | 130 |
| Clay, reddish-brown----- | 3½ | 35 | Shale----- | 80 | 210 |
| Clay, brown, and coarse gravel----- | 17 | 52 | <u>11S/4W-1add3.</u> Raybar Bldg. Altitude 210 ft. Drilled by A. M. Janssen Drilling Co. prior to 1938. Casing: 12-in. diam to unknown depth | | |
| Clay, black, sandy----- | 5 | 57 | Soil and clay----- | 5 | 5 |
| Clay, black, sandy, and gravel----- | 14 | 71 | Sand, dry----- | 18 | 23 |
| Sand, black, and gravel----- | 10 | 81 | Shale----- | 102 | 125 |
| Clay, light-blue, sandy----- | 5 | 86 | Shale and some gravel----- | 5 | 130 |
| Clay, violet----- | 4 | 90 | Shale----- | 80 | 210 |
| Clay, black----- | 13 | 103 | <u>11S/4W-1add3.</u> Raybar Bldg. Altitude 210 ft. Drilled by A. M. Janssen Drilling Co. prior to 1938. Casing: 12-in. diam to unknown depth | | |
| Sand, black, and gravelly clay----- | 7 | 110 | Soil and clay----- | 5 | 5 |
| Clay, black----- | 3 | 113 | Sand, dry----- | 18 | 23 |
| Sand, black, and gravel, with clay----- | 3 | 116 | Shale----- | 102 | 125 |
| Sand, black, and fine gravel----- | 3 | 119 | Shale and some gravel----- | 5 | 130 |
| Clay, blue, and gravel----- | 16 | 135 | Shale----- | 80 | 210 |
| Clay, blue, and coarse gravel----- | 9 | 144 | <u>11S/4W-1add3.</u> Raybar Bldg. Altitude 210 ft. Drilled by A. M. Janssen Drilling Co. prior to 1938. Casing: 12-in. diam to unknown depth | | |
| Clay, blue----- | 8 | 152 | Soil and clay----- | 5 | 5 |
| Clay, black----- | 8 | 160 | Sand, dry----- | 18 | 23 |
| | | | Shale----- | 102 | 125 |
| | | | Shale and some gravel----- | 5 | 130 |
| | | | Shale----- | 80 | 210 |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|---|--------------------------|-----------------|
| <u>11S/4W-2bad.</u> Ed Bennett. Altitude 425 ft. Drilled by Merle Warren Well Drilling, 1962. Casing: 8-in. diam to 19 ft; unperforated | | | <u>11S/4W-12ccd1.</u> Bonneville Power Adm. Altitude 215 ft. Drilled by A. M. Janssen Drilling Co., 1949. Casing: 6-in. diam to 92 ft; unperforated | | |
| Soil----- | 4 | 4 | Clay----- | 24 | 24 |
| Shale rock, brown----- | 6 | 10 | Gravel----- | 48 | 72 |
| Shale rock, black----- | 30 | 40 | Shale, brown, with wood and bark----- | 33 | 105 |
| Rock, black----- | 180 | 220 | Shale, blue-gray, water-bearing (approx. 3 gpm)----- | 75 | 180 |
| Rock, gray----- | 61 | 281 | Shale, slate-colored----- | 70 | 250 |
| <u>11S/4W-4cad.</u> John Fortner. Altitude 210 ft. Drilled by Bill Howell Well Drilling, 1968. Casing: 6-in. diam to 80 ft; unperforated | | | <u>11S/4W-12ccd2.</u> Bonneville Power Adm. Altitude 215 ft. Drilled by A. M. Janssen Drilling Co., 1949. Casing: 6-in. diam to 36 ft; unperforated | | |
| Clay, brown----- | 22 | 22 | Clay----- | 24 | 24 |
| Clay, red----- | 17 | 39 | Gravel----- | 6 | 30 |
| Clay, tan----- | 23 | 62 | Gravel, water-bearing----- | 4 | 34 |
| Clay, brown----- | 16 | 78 | Clay----- | 2 | 26 |
| Claystone, blue----- | 27 | 105 | | | |
| <u>11S/4W-5acc.</u> M. S. Newton. Altitude 220 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1966. Casing: 10-in. diam to 38 ft; perforated 28-38 ft | | | <u>11S/4W-13daa.</u> Albany Frozen Food. Altitude 223 ft. Drilled by Valley Well Drillers, 1966. Casing: 12-in. diam to 68 ft; perforated 43-68 ft | | |
| Soil----- | 3 | 3 | Soil----- | 5 | 5 |
| Clay, yellow, and grit----- | 12 | 15 | Clay, blue----- | 15 | 20 |
| Gravel and blue clay, cemented----- | 9 | 24 | Sand and gravel----- | 52 | 72 |
| Gravel, coarse, and some sand----- | 12 | 36 | | | |
| Clay, yellow, and sand----- | 8 | 44 | | | |
| Claystone, light-gray----- | 8 | 52 | | | |
| <u>11S/4W-5cddd.</u> Oregon State University Experiment Farm. Altitude 227 ft. Drilled by Ace Drilling Co., 1957. Casing: 8-in. diam to 61 ft; perforated 48-55 ft and 57-59 ft | | | <u>11S/4W-14ddb.</u> Jack Kalina. Altitude 212 ft. Drilled by Merle Warren Well Drilling, 1965. Casing: 10-in. diam to 40 ft; perforated 29-40 ft | | |
| Soil and clay----- | 30 | 30 | Soil----- | 2 | 2 |
| Clay, sandy----- | 10 | 40 | Clay, brown----- | 12 | 14 |
| Gravel, clean, and a little sand----- | 18 | 58 | Clay, blue----- | 11 | 25 |
| Sand and gravel, packed----- | 3 | 61 | Gravel----- | 10 | 35 |
| Clay, brown----- | 17 | 78 | Sand, black----- | 8 | 43 |
| Clay and gravel, water-bearing----- | 7 | 85 | Clay, gray----- | 39 | 82 |
| Clay, brown----- | 18 | 103 | Shale----- | 91 | 173 |
| Clay, blue----- | -- | -- | Shale and small pieces of black rock----- | 2 | 175 |
| | | | Shale, gray----- | 25 | 200 |
| <u>11S/4W-7bcc.</u> R. L. Kramer. Altitude 240 ft. Drilled by Merle Warren Well Drilling, 1964. Casing: 6-in. diam to 18 ft; unperforated | | | <u>11S/4W-15dab.</u> Harlan Rieger. Altitude 218 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 8-in. diam to 58 ft; perforated 46-57 ft | | |
| Soil----- | 3 | 3 | Soil----- | 4 | 4 |
| Clay, yellow----- | 11 | 14 | Clay, brown----- | 11 | 15 |
| Shale rock, black----- | 31 | 45 | Clay, blue----- | 15 | 30 |
| Rock, black----- | 23 | 68 | Clay and gravel----- | 18 | 48 |
| Rock, gray----- | 17 | 85 | Sand and gravel, black----- | 10 | 58 |
| <u>11S/4W-8aab.</u> Oregon State University. Altitude 225 ft. Drilled by Ace Drilling Co., 1957. Casing: 8-in. diam casing installed, pulled, and well abandoned | | | <u>11S/4W-17bcb.</u> Corvallis Sand & Gravel. Altitude 200 ft. Drilled by Babcock Well Drilling, 1968. Casing: 12-in. diam to 70 ft; perforated 20-30 ft and 56-66 ft | | |
| Soil and clay----- | 30 | 30 | Clay----- | 11 | 11 |
| Clay, sandy----- | 10 | 40 | Sand and small gravel----- | 9 | 20 |
| Sand, fine, with clay and gravel----- | 25 | 65 | Clay and gravel, mixed----- | 9 | 29 |
| Clay----- | 15 | 80 | Clay, blue, sandy----- | 38 | 67 |
| Clay and some gravel----- | 10 | 90 | Sand, blue, fine to medium----- | 3 | 70 |
| Clay, brown----- | 15 | 105 | Sand and clay, blue----- | 8 | 78 |
| | | | Clay, brown----- | 15 | 93 |
| | | | Clay, blue----- | 14 | 107 |
| | | | Claystone, blue-green----- | 23 | 130 |
| <u>11S/4W-10aac.</u> R. B. Kleinke. Altitude 194 ft. Drilled by Merle Warren Well Drilling, 1960. Casing: 6-in. diam to 42½ ft; perforated 32½-42½ ft | | | <u>11S/4W-19aaa.</u> Children's Farm Home. Altitude 226 ft. Drilled by G. A. Pruitt Well Drilling, 1958. Casing: 8-in. diam to 56 ft; perforated 43-53 ft | | |
| Soil----- | 4 | 4 | Soil----- | 6 | 6 |
| Clay, sandy----- | 17 | 21 | Clay, yellow----- | 24 | 30 |
| Gravel, "dirty"----- | 18 | 39 | Sand, brown, fine----- | 8 | 38 |
| Gravel, cemented----- | 2 | 41 | Gravel, cemented----- | 6 | 44 |
| Gravel, water-bearing----- | 4 | 45 | Gravel, 1- to 3-in. diam----- | 9 | 53 |
| Clay, blue----- | 2 | 47 | Gravel, small, and fine sand----- | 3 | 56 |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|--|--------------------------|-----------------|--|--------------------------|-----------------|
| <u>11S/4W-30aad.</u> Mrs. Laurence Murphy. Altitude 205 ft. Drilled by Raymond C. Gellatly, 1963. Casing: 10-in. diam to 33 ft; perforated 23-33 ft | | | <u>11S/4W-32cbd.</u> Wes Linn Water Co., Inc. Altitude 218 ft. Drilled by Crispin Well Drilling, 1963. Casing: 10-in. diam to 34 ft; perforated 26-34 ft | | |
| Loam----- | 8 | 8 | Soil, sandy----- | 22 | 22 |
| Sand, gravel, and clay----- | 7 | 15 | Clay, blue----- | 1 | 23 |
| Gravel, coarse, and sand----- | 12 | 27 | Gravel, medium-sized----- | 11 | 34 |
| Gravel, with clay----- | 1 | 28 | Clay, blue----- | 1 | 35 |
| Gravel, coarse----- | 3 | 31 | | | |
| Gravel and sand, cemented----- | 1 | 32 | <u>11S/4W-33cdal.</u> H. B. Smith. Altitude 220 ft. Drilled by Merle Warren Well Drilling, 1962. Casing: 8-in. diam to 79 ft; perforated 10-39 ft and 67-79 ft | | |
| Clay, blue----- | 1 | 33 | Soil----- | 5 | 5 |
| | | | Clay----- | 12 | 17 |
| <u>11S/4W-31cad2.</u> T. E. Daniels. Altitude 210 ft. Drilled by Schoen Electric & Pump, 1970. Casing: 8-in. diam to 37 ft; perforated 30-35 ft | | | Gravel, medium-sized----- | 20 | 37 |
| Soil----- | 2 | 2 | Clay and gravel----- | 3 | 40 |
| Clay----- | 4 | 6 | Clay----- | 36 | 76 |
| Sand and gravel----- | 23 | 29 | Sand and gravel----- | 4 | 80 |
| Sand, fine to coarse----- | 4 | 33 | Rock, gray----- | 7 | 87 |
| Clay----- | 4 | 37 | | | |
| | | | <u>11S/4W-34cad.</u> Van Waters & Rogers. Altitude 220 ft. Drilled by Bill Long, 1966. Casing: 6-in. diam to 50 ft; perforated 40-50 ft | | |
| <u>11S/4W-31dca.</u> Owner unknown. Altitude 208 ft. Drilled by Raymond C. Gellatly, 1956. Casing: 10-in. diam to 32 ft; perforated 23-32 ft | | | Soil----- | 2 | 2 |
| Soil and loam----- | 3 | 3 | Clay, tan----- | 26 | 28 |
| Clay----- | 13 | 16 | Gravel, small-sized, sandy----- | 11 | 39 |
| Sand and fine gravel----- | 3 | 19 | Gravel, medium-sized----- | 10 | 49 |
| Gravel, coarse----- | 12 | 31 | Clay, sandy----- | 2 | 51 |
| Clay, blue, "tough"----- | 7 | 38 | | | |
| | | | <u>11S/4W-35bbb.</u> David Kryger. Altitude 220 ft. Drilled by Schoen Electric & Pump, 1970. Casing: 6-in. diam to 50 ft; perforated 44½-48 ft | | |
| <u>11S/4W-32adc.</u> Dr. N. L. Tartar. Altitude 212 ft. Drilled by Raymond C. Gellatly, 1962. Casing: 10-in. diam to 46 ft; perforated 22-32 ft and 33-43 ft | | | Soil----- | 2 | 2 |
| Soil----- | 4 | 4 | Clay----- | 21 | 23 |
| Loam, sandy----- | 6 | 10 | Gravel----- | 11 | 34 |
| Sand----- | 8 | 18 | Sand----- | 16 | 50 |
| Gravel and sand----- | 13 | 31 | | | |
| Gravel, coarse----- | 12 | 43 | <u>11S/4W-36daa2.</u> Albert Carlson. Altitude 230 ft. Drilled by Merle Warren Well Drilling, 1969. Casing: 6-in. diam to 61 ft; perforated 50-58 ft | | |
| Clay, gray----- | 6 | 49 | Soil----- | 1½ | 1½ |
| Clay, blue----- | 5 | 54 | Clay, brown----- | 15½ | 17 |
| Clay, gray----- | 7 | 61 | Clay, brown, and gravel----- | 14 | 31 |
| | | | Clay, brown----- | 5 | 36 |
| <u>11S/4W-32bcd.</u> Wes-Linn Estates. Altitude 220 ft. Drilled by Casey Jones Well Drilling Co., 1969. Casing: 8-in. diam to 203 ft; unperforated | | | Clay, brown, and gravel----- | 9 | 45 |
| Soil----- | 3 | 3 | Clay, blue, and gravel----- | 8 | 53 |
| Clay, yellow----- | 29 | 32 | Sand, black, and gravel----- | 8 | 61 |
| Clay, brown, sandy----- | 4 | 36 | | | |
| Clay, blue, sticky----- | 16 | 52 | <u>11S/5W-1acc.</u> Herman Krehbiel. Altitude 350 ft. Drilled by Merle Warren Well Drilling, 1963. Casing: 6-in. diam to 49 ft; unperforated | | |
| Sand, black----- | 4 | 56 | Soil----- | 5 | 5 |
| Clay, blue----- | 36 | 92 | Clay and boulders----- | 13 | 18 |
| Clay, yellow and brown----- | 9 | 101 | Rock, brown----- | 12 | 30 |
| Clay, blue----- | 26 | 127 | Rock, black----- | 23 | 53 |
| Clay, brown----- | 3 | 130 | | | |
| Clay, blue----- | 22 | 152 | | | |
| Clay, brown----- | 28 | 180 | | | |
| Clay, blue-gray----- | 30 | 210 | | | |
| | | | <u>11S/4W-32bcd.</u> Wes-Linn Estates. Altitude 220 ft. Drilled by Casey Jones Well Drilling Co., 1969. Casing: 8-in. diam to 42 ft; unperforated | | |
| Soil----- | 4 | 4 | Soil----- | 4 | 4 |
| Clay, yellow----- | 19 | 23 | Clay, yellow----- | 19 | 23 |
| Clay and gravel----- | 3 | 26 | Clay and gravel----- | 3 | 26 |
| Sand and gravel----- | 11 | 37 | Sand and gravel----- | 11 | 37 |
| Claystone, blue----- | 15 | 52 | Claystone, blue----- | 15 | 52 |
| Sandstone, blue----- | 13 | 65 | Sandstone, blue----- | 13 | 65 |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|---|--------------------------|-----------------|
| <u>11S/5W-2cab.</u> Bohdan Maksynuick. Altitude 750 ft. Drilled by Valley Well Drillers, 1965. Casing: 6-in. diam to 20 ft; unperforated | | | <u>11S/5W-15abc.</u> R. K. Fendall. Altitude 575 ft. Drilled by Miller-Robinson & West, 1968. Casing: 6-in. diam to 41 ft; unperforated | | |
| Soil, red----- | 3 | 3 | Soil----- | 1 | 1 |
| Rock, blue, hard----- | 9 | 12 | Clay, brown----- | 9 | 10 |
| Sandstone, red----- | 3 | 15 | Rock, red, soft----- | 16 | 26 |
| Clay, gray, medium-hard----- | 7 | 22 | Rock, red, hard----- | 23 | 49 |
| Rock, blue, hard----- | 20 | 42 | Basalt, black----- | 100 | 149 |
| Sandstone, brown----- | 6 | 48 | Rock, pink, with quartz----- | 1 | 150 |
| Rock, blue, hard----- | 4 | 52 | Basalt, black----- | 12 | 162 |
| Shale, dark-gray----- | 23 | 75 | Rock, red, with quartz----- | 3 | 165 |
| Sandstone, red----- | 13 | 88 | Basalt, black----- | 10 | 175 |
| Rock, dark-blue, hard----- | 83 | 171 | Rock, red, and quartz----- | 4 | 179 |
| Sandstone, red----- | 9 | 180 | Basalt, black----- | 8 | 187 |
| Shale, light-gray----- | 8 | 188 | Rock, brown, with quartz----- | 3 | 190 |
| Rock, blue, hard----- | 36 | 224 | Rock, lavender, with quartz----- | 2 | 192 |
| Rock and quartz, blue, hard----- | 58 | 282 | Basalt, black----- | 5 | 197 |
| Sandstone, red----- | 12 | 294 | Clay, brown----- | 2 | 199 |
| Rock, dark-blue, hard----- | 21 | 315 | Claystone, gray----- | 1 | 200 |
| Shale and quartz, gray----- | 27 | 342 | Basalt, black----- | 28 | 228 |
| Rock, gray, hard----- | 36 | 378 | Rock, pink----- | 95 | 323 |
| Shale, dark-blue----- | 52 | 430 | | | |
| Shale and quartz, light-gray----- | 8 | 438 | | | |
| Rock, blue, hard----- | 15 | 453 | | | |
| <u>11S/5W-10cca.</u> McLane Fisher. Altitude 525 ft. Drilled by Bill Howell Well Drilling, 1969. Casing: 6-in. diam to 23 ft; unperforated | | | <u>11S/5W-15dba.</u> Harold Nelson. Altitude 430 ft. Drilled by Harry A. Robinson Well Drilling, 1966. Casing: 8-in. diam to 19 ft; unperforated | | |
| Soil----- | 2 | 2 | Clay and broken basalt----- | 11 | 11 |
| Clay, brown----- | 6 | 8 | Basalt, fresh----- | 64 | 75 |
| Claystone, brown----- | 9 | 17 | Rock, broken, and clay, caving; water-bearing--- | 1 | 76 |
| Claystone, blue----- | 9 | 26 | | | |
| Rock, blue----- | 274 | 300 | | | |
| <u>11S/5W-11bcd1.</u> Vineyard Mt., Inc. Altitude 375 ft. Drilled by L. W. Mutschler Well Drilling, 1969. Casing: 8-in. diam to 46 ft; unperforated | | | <u>11S/5W-20bbel.</u> Oregon State Univ. Altitude 505 ft. Drilled by L. W. Mutschler Well Drilling, 1966. Casing: 6-in. diam to 56 ft; unperforated | | |
| Soil----- | 2 | 2 | Soil----- | 2 | 2 |
| Sandstone, brown----- | 28 | 30 | Clay, brown----- | 6 | 8 |
| Sandstone, brown, broken----- | 8 | 38 | Boulders, small, in black clay----- | 3 | 11 |
| Sandstone, brown----- | 34 | 72 | Clay, brown----- | 12 | 23 |
| Sandstone and red clay----- | 4 | 76 | Basalt, black, broken, in brown clay----- | 32 | 55 |
| Sandstone, brown, with quartz, water-bearing--- | 10 | 86 | Basalt, black, broken, water-bearing (6 gpm)--- | 3 | 58 |
| Basalt, black----- | 4 | 90 | Basalt, black, with quartz----- | 13 | 71 |
| Sandstone, blue----- | 42 | 132 | Sandstone, brown, with quartz----- | 79 | 150 |
| Sandstone, with red clay----- | 8 | 140 | | | |
| Sandstone, gray, with quartz, water-bearing--- | 14 | 154 | | | |
| Sandstone, red, with quartz----- | 18 | 172 | | | |
| Sandstone, brown, water-bearing----- | 11 | 183 | | | |
| <u>11S/5W-12cda.</u> Mt. View Baptist Church. Altitude 265 ft. Drilled by G. A. Pruitt Well Drilling, 1961. Casing: 6-in. diam to 23 ft; unperforated | | | <u>11S/5W-21laca.</u> C. L. Schroff. Altitude 520 ft. Drilled by L. W. Mutschler Well Drilling, 1963. Casing: 6-in. diam to 22 ft; unperforated | | |
| Soil----- | 2 | 2 | Soil----- | 3 | 3 |
| Clay, yellow----- | 18 | 20 | Clay, yellow----- | 3 | 6 |
| Claystone, gray----- | 8 | 28 | Sandstone, brown----- | 24 | 30 |
| Claystone, gray, broken, water-bearing----- | 2 | 30 | Sandstone, red, with quartz----- | 50 | 80 |
| Claystone, gray----- | 34 | 64 | Sandstone, blue----- | 18 | 98 |
| Claystone, blue----- | 3 | 67 | Sandstone, red, with quartz----- | 32 | 130 |
| Claystone, gray----- | 13 | 80 | Sandstone, blue----- | 12 | 142 |
| | | | Basalt, black, with quartz----- | 9 | 151 |
| | | | Sandstone, red----- | 21 | 172 |
| | | | Basalt, blue----- | 26 | 198 |
| | | | Sandstone, red, with quartz----- | 27 | 225 |
| | | | Sandstone, brown, with quartz, broken; water-bearing----- | 10 | 235 |
| <u>11S/5W-13acb.</u> Northgate Lumber Co. Altitude 240 ft. Drilled by Schoen Electric & Pump, 1970. Casing: 6-in. diam to 255 ft; unperforated | | | <u>11S/5W-21bcd.</u> A. J. Carey, Jr. Altitude 590 ft. Drilled by G. A. Pruitt Well Drilling, 1962. Casing: 6-in. diam to 48 ft; unperforated | | |
| Soil----- | 2 | 2 | Soil----- | 2 | 2 |
| Clay, brown----- | 19 | 21 | Clay, brown----- | 18 | 20 |
| Clay, blue----- | 8 | 29 | Cinders, brown----- | 80 | 100 |
| Claystone, blue-gray----- | 186 | 215 | Cinders, red----- | 75 | 175 |
| Claystone, brown----- | 40 | 255 | Cinders, black----- | 45 | 220 |
| | | | Cinders, gray, with quartz----- | 45 | 265 |
| | | | Basalt, black----- | 20 | 285 |
| | | | Basalt, black, broken, water-bearing----- | 10 | 295 |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|--|--------------------------|-----------------|
| <u>11S/5W-36cdb.</u> Oregon State Univ. Altitude 215 ft. Drilled by C. A. Pruitt Well Drilling, 1957. Casing: 8-in. diam to 41½ ft; perforated 31-41 ft | | | <u>12S/3W-4caa.</u> Glenn White's Texaco Service Station. Altitude 260 ft. Drilled by Merle Warren Well Drilling, 1962. Casing: 6-in. diam to 98 ft; perforated 88-98 ft | | |
| Gravel and loam----- | 2 | 2 | Gravel fill----- | 3 | 3 |
| Loam, sandy----- | 15 | 17 | Soil----- | 4 | 7 |
| Sand, water-bearing----- | 3 | 20 | Clay, yellow----- | 8 | 15 |
| Sand and gravel----- | 10 | 30 | Gravel, dirty----- | 16 | 31 |
| Gravel, coarse----- | 11½ | 41½ | Gravel, coarse----- | 4 | 35 |
| Clay, blue----- | -- | -- | Sand----- | 11 | 46 |
| | | | Sand and gravel, dirty----- | 5 | 51 |
| | | | Clay, yellow----- | 4 | 55 |
| | | | Sand and gravel, brown----- | 15 | 70 |
| | | | Clay, blue----- | 26 | 96 |
| | | | Sand, black, and gravel----- | 4 | 100 |
| <u>12S/2W-18bda.</u> Robert Wheeler. Altitude 315 ft. Drilled by Pyle & Salisbury, 1966. Casing: 6-in. diam to 91 ft; unper- forated | | | <u>12S/3W-5caa.</u> G. N. & H. G. Chandler. Altitude 252 ft. Drilled in 1952; driller unknown. Casing: 8-in. diam to 111 ft | | |
| Sand and clay----- | 25 | 25 | Clay----- | 20 | 20 |
| Clay and gravel----- | 15 | 40 | Clay and gravel----- | 16 | 36 |
| Sand and gravel----- | 9 | 49 | Sand----- | 4 | 40 |
| Shale, blue, and gravel----- | 25 | 74 | Clay and gravel----- | 18 | 58 |
| Sand and broken rock----- | 6 | 80 | Gravel----- | 3 | 61 |
| Sand, brown----- | 10 | 90 | Clay and gravel----- | 17 | 78 |
| Sand, black----- | 15 | 105 | Clay----- | 12 | 90 |
| Rock, blue, broken----- | 5 | 110 | Clay, sandy----- | 4 | 94 |
| Clay and gravel----- | 13 | 123 | Clay----- | 8 | 102 |
| Clay, blue----- | 2 | 125 | Sand and gravel, dirty----- | 9 | 111 |
| <u>12S/2W-19ccb.</u> Scott Wheeler. Altitude 325 ft. Drilled by Pyle & Salisbury, 1966. Casing: 6-in. diam to 18 ft; unper- forated | | | <u>12S/3W-6bcc.</u> Shell Chemical Co. Altitude 245 ft. Drilled by Merle Warren Well Drilling, 1965. Casing: 8-in. diam to 88 ft; perforated 75-88 ft | | |
| Clay----- | 10 | 10 | Soil----- | 1 | 1 |
| Sandstone, blue----- | 30 | 40 | Clay----- | 17 | 18 |
| Sandstone, light-gray----- | 7½ | 47½ | Clay and gravel----- | 35 | 53 |
| | | | Clay, brown, and fine gravel----- | 5 | 58 |
| | | | Clay, blue----- | 9 | 67 |
| | | | Sand and gravel, brown----- | 3 | 70 |
| | | | Sand and gravel, black----- | 16 | 86 |
| | | | Sand, compacted----- | 1 | 87 |
| | | | Clay, brown----- | 1 | 88 |
| <u>12S/2W-30bcd.</u> Crossan Farms. Altitude 320 ft. Drilled by Eldon J. Studebaker, 1967. Casing: 8-in. diam to 33 ft; un- perforated | | | <u>12S/3W-7bcc1.</u> Tangent Fire Dept. Altitude 240 ft. Drilled by Merle Warren Well Drilling, 1961. Casing: 10-in. diam to 86 ft; perforated 72-86 ft | | |
| Soil----- | 6 | 6 | Soil----- | 4 | 4 |
| Clay----- | 11 | 17 | Clay----- | 14 | 18 |
| Shale----- | 22 | 39 | Gravel, dirty----- | 16 | 34 |
| Rock, white, soft----- | 4 | 43 | Gravel, sandy----- | 13 | 47 |
| Shale, hard----- | 19 | 62 | Gravel, water-bearing----- | 22 | 69 |
| Basalt----- | 3 | 65 | Gravel, cemented----- | 10 | 79 |
| Rock, broken----- | 1 | 66 | Sand, black----- | 4 | 83 |
| Shale, blue----- | 32 | 98 | Gravel and sand, black----- | 4 | 87 |
| Crevice----- | 1 | 99 | Clay, blue----- | 1 | 88 |
| Shale, hard----- | 34 | 133 | | | |
| Shale, blue, sticky----- | 7 | 140 | | | |
| <u>12S/2W-33cab.</u> Leon Sauls. Altitude 420 ft. Drilled by H & H Drilling, 1969. Casing: 6-in. diam to 25 ft; unperforated | | | <u>12S/3W-9bdc.</u> Harvey Grell. Altitude 265 ft. Drilled by Merle Warren Well Drilling, 1965. Casing: 6-in. diam to 78 ft; perforated 69-78 ft | | |
| Soil, red----- | 1 | 1 | Soil----- | 3 | 3 |
| Claystone, tan and brown----- | 11 | 12 | Clay, yellow----- | 10 | 13 |
| Shale, dark-gray----- | 16 | 28 | Gravel, dirty----- | 13 | 26 |
| Shale, black, hard----- | 1 | 29 | Gravel, coarse----- | 10 | 36 |
| | | | Clay, brown----- | 24 | 60 |
| | | | Clay, blue----- | 10 | 70 |
| | | | Sand, black, and gravel----- | 9 | 79 |
| <u>12S/3W-2bdc.</u> H. F. Chipman. Altitude 280 ft. Drilled by Merle Warren Well Drilling, 1967. Casing: 6-in. diam to 69 ft; perforated 59-67 ft | | | | | |
| Soil----- | 3 | 3 | | | |
| Clay----- | 9 | 12 | | | |
| Clay and gravel----- | 18 | 30 | | | |
| Clay, brown----- | 27 | 57 | | | |
| Clay and gravel----- | 3 | 60 | | | |
| Sand and gravel----- | 9 | 69 | | | |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|--|--------------------------|-----------------|---|--------------------------|-----------------|
| <u>12S/3W-11acd.</u> V. C. Nofziger. Altitude 285 ft. Drilled by Valley Well Drillers, 1966. Casing: 6-in. diam to 78 ft; perforated 64-76 ft | | | <u>12S/3W-28ccb.</u> Conrad Witt. Altitude 260 ft. Drilled by Schoen Electric & Pump, 1970. Casing: 8-in. diam to 63 ft; perforated 53-61 ft | | |
| Soil----- | 4 | 4 | Gravel and soil (old driveway)----- | 1 | 1 |
| Clay, yellow----- | 12 | 16 | Clay, light-brown----- | 14 | 15 |
| Clay, yellow, and gravel----- | 8 | 24 | Gravel, fine, and hard brown claystone----- | 10 | 25 |
| Sand and gravel----- | 10 | 34 | Gravel, coarse, and brown sand----- | 5 | 30 |
| Sand, yellow, coarse----- | 31 | 65 | Sand, coarse, and pea-sized gravel----- | 5 | 35 |
| Clay, yellow, and gravel----- | 3 | 68 | Sand, coarse, and large-sized gravel----- | 15 | 50 |
| Sand, brown, and small-sized gravel----- | 10 | 78 | Gravel, coarse to large----- | 10 | 60 |
| | | | Sand, brown, and coarse gravel----- | 8 | 68 |
| <u>12S/3W-13acc.</u> Glenn Nofziger. Altitude 300 ft. Drilled by Valley Well Drillers, 1966. Casing: 8-in. diam to 54 ft; perforated 43-53 ft | | | <u>12S/3W-31dcd.</u> Ed Herrling. Altitude 263 ft. Drilled by Merle Warren Well Drilling, 1962. Casing: 6-in. diam to 52 ft; perforated 44-52 ft | | |
| Soil----- | 3 | 3 | Soil----- | 3 | 3 |
| Clay, yellow----- | 15 | 18 | Clay, yellow----- | 13 | 16 |
| Clay, yellow, and boulders----- | 8 | 26 | Clay, blue----- | 9 | 25 |
| Sand and gravel----- | 22 | 48 | Gravel, dirty----- | 17 | 42 |
| Sand and gravel, blue-gray----- | 11 | 59 | Gravel and sand, clean----- | 10 | 52 |
| <u>12S/3W-17ddc.</u> Merrill Boshart. Altitude 255 ft. Drilled by Burr Rambo Well Drilling, 1962. Casing: 6-in. diam to 62 ft; perforated 57-61 ft | | | <u>12S/3W-32bed.</u> Arthur Hawkins. Altitude 255 ft. Drilled by Merle Warren Well Drilling, 1970. Casing: 6-in. diam to 50 ft; perforated 41-50 ft | | |
| Clay, yellow----- | 46 | 46 | Soil and gravel----- | 1 | 1 |
| Sand, blue, fine----- | 1 | 47 | Clay, brown----- | 17 | 18 |
| Clay, blue----- | 9 | 56 | Clay, blue----- | 7 | 25 |
| Sand, blue, fine----- | 6 | 62 | Clay and gravel----- | 3½ | 28½ |
| | | | Sand and clay----- | 5½ | 34 |
| <u>12S/3W-18bcc.</u> Jenks Hatchery. Altitude 245 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 8-in. to 91 ft; perforated 77-89 ft | | | <u>12S/3W-33aaa1.</u> Ezra Schmucker. Altitude 265 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 6-in. diam to 62 ft; perforated 51-60 ft | | |
| Soil----- | 4 | 4 | Soil----- | 2½ | 2½ |
| Clay----- | 14 | 18 | Clay, brown----- | 11 | 13½ |
| Clay and gravel----- | 30 | 48 | Clay and gravel----- | 4½ | 18 |
| Clay----- | 6 | 54 | Clay, brown, and pea-sized gravel----- | 7 | 25 |
| Clay and gravel----- | 12 | 66 | Gravel----- | 10 | 35 |
| Sand and gravel, black----- | 20 | 86 | Clay, brown----- | 7 | 42 |
| Sand and pea-sized gravel, black----- | 5 | 91 | Clay and gravel----- | 5 | 47 |
| Clay, blue----- | 2 | 93 | Clay, blue----- | 6 | 53 |
| | | | Sand and gravel, black----- | 7 | 60 |
| <u>12S/3W-23ccd.</u> Millard Paulus. Altitude 280 ft. Drilled by H & H Drilling, 1970. Casing: 6-in. diam to 48 ft; unperforated | | | <u>12S/3W-33cab.</u> Ezra Schmucker. Altitude 264 ft. Drilled by Merle Warren Well Drilling, 1959. Casing: 8-in. diam to 48 ft; perforated 28-48 ft | | |
| Soil and clay, tan, and gravel----- | 17 | 17 | Soil----- | 2 | 2 |
| Sand and gravel, cemented----- | 30 | 47 | Clay, sandy----- | 16 | 18 |
| Clay, tan, sandy----- | 1 | 48 | Gravel----- | 17 | 35 |
| Sand and gravel----- | 2 | 50 | Clay, blue----- | 5 | 40 |
| | | | Sand and gravel----- | 8 | 48 |
| <u>12S/3W-24ddb.</u> Scott Wheeler. Altitude 354 ft. Drilled by W. R. Davis, 1959. Casing: 8-in. diam to 43 ft; perforated 36-43 ft | | | <u>12S/3W-35adc2.</u> Simplot Soil Builders. Altitude 278 ft. Drilled by Merle Warren Well Drilling, 1963. Casing: 6-in. diam to 93 ft; perforated 84-92 ft | | |
| Soil----- | 3 | 3 | Soil----- | 3 | 3 |
| Clay, yellow----- | 18 | 21 | Clay, yellow----- | 62 | 65 |
| Sandstone----- | 20 | 41 | Clay, blue----- | 25 | 90 |
| Rock, gray----- | 37 | 78 | Shale, blue----- | 20 | 110 |
| Rock, pink----- | 3 | 81 | | | |
| Rock, gray----- | 34 | 115 | <u>12S/3W-35dab.</u> Robert Moore. Altitude 277 ft. Drilled by Pyle & Salisbury, 1966. Casing: 6-in. diam to 30 ft; unperforated | | |
| Rock, white----- | 2 | 117 | Clay----- | 10 | 10 |
| Rock, gray----- | 24 | 141 | Clay and gravel----- | 9 | 19 |
| Shale, black----- | 5 | 146 | Sand and gravel----- | 10½ | 29½ |
| Rock, gray----- | 64 | 210 | | | |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (Feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|--|--------------------------|-----------------|
| <u>12S/4W-1aac.</u> Louie Rolland. Altitude 242 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 8-in. diam to 84 ft; perforated 74-82 ft | | | <u>12S/4W-8caa.</u> Leroy Richey. Altitude 225 ft. Drilled by G. A. Pruitt Well Drilling, 1962. Casing: 8-in. diam to 108 ft; perforated 24-32 ft | | |
| Soil----- | 3 | 3 | Loam, sandy----- | 19 | 19 |
| Clay----- | 16 | 19 | Gravel and sand----- | 15 | 34 |
| Clay and gravel----- | 6 | 25 | Clay, blue, soft----- | 54 | 88 |
| Gravel, cemented----- | 14 | 39 | Clay, blue, and some gravel----- | 8 | 96 |
| Clay----- | 3 | 42 | Sand, black, medium-sized----- | 12 | 108 |
| Clay and gravel----- | 34 | 76 | | | |
| Gravel, water-bearing----- | 7 | 83 | <u>12S/4W-9bda.</u> R. L. Arthur. Altitude 232 ft. Drilled by Merle Warren Well Drilling, 1958. Casing: 8-in. diam to 55 ft; perforated 37-55 ft | | |
| Clay----- | 1 | 84 | Soil----- | 3 | 3 |
| <u>12S/4W-3bad.</u> Herb Smith. Altitude 228 ft. Drilled by Frank Wagy Well Drilling, 1966. Casing: 6-in. diam to 52 ft; perforated 45-52 ft | | | Clay, brown----- | 17 | 20 |
| Clay, gray----- | 18 | 18 | Clay, blue----- | 5 | 25 |
| Clay, blue----- | 7 | 25 | Gravel----- | 25 | 50 |
| Sand and pea-sized gravel----- | 19 | 44 | Clay----- | 15 | 65 |
| Sand, brown----- | 8 | 52 | Clay and gravel----- | 10 | 75 |
| <u>12S/4W-4cbdl.</u> Dale Fischer. Altitude 226 ft. Drilled by Merle Warren Well Drilling, 1967. Casing: 6-in. diam to 34 ft; perforated 24-32 ft | | | <u>12S/4W-11dab.</u> Pere Muller. Altitude 235 ft. Drilled by Merle Warren Well Drilling, 1967. Casing: 6-in. diam to 45 ft; perforated 34-43 ft | | |
| Soil----- | 5 | 5 | Soil----- | 6 | 6 |
| Clay----- | 6 | 11 | Clay, brown and blue----- | 20 | 26 |
| Clay and gravel----- | 15 | 26 | Clay and gravel----- | 7 | 33 |
| Gravel, washed----- | 8 | 34 | Sand, brown, and gravel----- | 12 | 45 |
| <u>12S/4W-6baa.</u> Leonard Jolly. Altitude 224 ft. Drilled by Casey Jones Well Drilling Co., Inc., 1969. Casing: 6-in. diam to 38 ft; unperforated | | | <u>12S/4W-12aca.</u> Milton Newport. Altitude 240 ft. Drilled by Merle Warren Well Drilling, 1970. Casing: 6-in. diam to 79 ft; perforated 70-79 ft | | |
| Loam, sandy----- | 4 | 4 | Soil----- | 3 | 3 |
| Clay, yellow, and gravel----- | 21 | 25 | Clay, brown----- | 14½ | 17½ |
| Sand and gravel----- | 13 | 38 | Clay and gravel----- | 15½ | 33 |
| Clay, blue----- | 2 | 40 | Gravel, dirty----- | 10 | 43 |
| <u>12S/4W-6cdb.</u> Willard Hamlin. Altitude 220 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1961. Casing: 10-in. diam to 35 ft; perforated 26-35 ft | | | Clay----- | 14 | 57 |
| Loam, sandy----- | 10 | 10 | Clay and gravel----- | 10 | 67 |
| Gravel and sand----- | 5 | 15 | Sand, black, and gravel----- | 12 | 79 |
| Gravel----- | 8 | 23 | | | |
| Gravel, coarse----- | 12 | 35 | <u>12S/4W-13dac.</u> Delmar Larkin. Altitude 245 ft. Drilled by Merle Warren Well Drilling, 1965. Casing: 10-in. diam to 135 ft; perforated 122-135 ft | | |
| <u>12S/4W-7baa.</u> Willard Hamlin. Altitude 220 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1966. Casing: 10-in. diam to 34 ft; perforated 24-34 ft | | | Soil----- | 2 | 2 |
| Loam----- | 8 | 8 | Clay----- | 13 | 15 |
| Sand and gravel----- | 7 | 15 | Clay and gravel----- | 35 | 50 |
| Sand and gravel, cemented----- | 5 | 20 | Clay, blue----- | 17 | 67 |
| Gravel, fine to 3-in. diam----- | 14 | 34 | Gravel, cemented----- | 23 | 90 |
| <u>12S/4W-7dac.</u> Floyd Bulman. Altitude 225 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1963. Casing: 10-in. diam to 37 ft; perforated 26-37 ft | | | Sand and gravel----- | 3 | 93 |
| Clay, brown----- | 18 | 18 | Clay, blue----- | 4 | 97 |
| Sand and gravel----- | 7 | 25 | Gravel, coarse, and clay----- | 13 | 110 |
| Gravel, coarse----- | 6 | 31 | Sand, black, and gravel----- | 7 | 117 |
| Gravel, cemented----- | 1 | 32 | Clay and gravel----- | 5 | 122 |
| Gravel, coarse----- | 5 | 37 | Sand and fine gravel----- | 7 | 129 |
| <u>12S/4W-8bad.</u> R. G. Gates. Altitude 225 ft. Drilled by Art Clinton Well Drilling Co., 1964. Casing: 10-in. diam to 40 ft; perforated 28-38 ft | | | Clay, brown, and gravel----- | 2 | 131 |
| Soil----- | 4 | 4 | Gravel, water-bearing----- | 4 | 135 |
| Clay, brown----- | 14 | 18 | <u>12S/4W-14dda.</u> R. F. Whaley. Altitude 236 ft. Drilled by Bill Howell Well Drilling, 1970. Casing: 6-in. diam to 71 ft; perforated 59-70 ft | | |
| Sand and gravel----- | 14 | 32 | Soil----- | 5 | 5 |
| Gravel, medium-sized, water-bearing----- | 8 | 40 | Clay, brown----- | 13 | 18 |
| | | | Sand, brown, and gravel----- | 11 | 29 |
| | | | Sand and gravel, bluish-black----- | 42 | 71 |
| | | | Clay, blue----- | 9 | 80 |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|--|--------------------------|-----------------|
| <u>12S/4W-16cac.</u> Oak Village Trailer Court. Altitude 240 ft. Drilled by Merle Warren Well Drilling, 1970. Casing: 6-in. diam to 299 ft; perforated 33-43 ft | | | <u>12S/4W-29bdb.</u> Anne Dunlap. Altitude 243 ft. Drilled by Merle Warren Well Drilling, 1970. Casing: 6-in. diam to 221 ft; perforated 211-221 ft | | |
| Soil----- | 3 | 3 | Soil----- | 2 | 2 |
| Clay, brown----- | 17 | 20 | Clay, brown----- | 16 | 18 |
| Clay and gravel----- | 7 | 27 | Clay, brown, and some gravel----- | 2 | 20 |
| Sand, brown, and gravel----- | 5 | 32 | Clay, brown----- | 2½ | 22½ |
| Clay and gravel----- | 3 | 35 | Gravel----- | 5½ | 28 |
| Sand, brown, and gravel----- | 7 | 42 | Clay, yellow and blue----- | 12 | 40 |
| Clay, blue----- | 27 | 69 | Clay, blue, and gravel----- | 6 | 46 |
| Clay, gray, sandy----- | 16 | 85 | Clay, blue----- | 3 | 49 |
| Clay, blue, firm----- | 28 | 113 | Clay, blue, and gravel----- | 4 | 53 |
| Clay, green, blue, brown, and gray----- | 187 | 300 | Clay, blue, brown, and gray----- | 140 | 193 |
| <u>12S/4W-17bdb.</u> Louis Geil. Altitude 225 ft. Drilled by Valley Well Drillers, 1966. Casing: 6-in. diam to 44 ft; perforated 37-43 ft | | | <u>12S/4W-30bac.</u> H. R. Wutzke. Altitude 225 ft. Drilled by G. A. Pruitt Well Drilling, 1956. Casing: 8-in. diam to 43 ft; perforated 33-43 ft | | |
| Soil----- | 4 | 4 | Loam, sandy----- | 10 | 10 |
| Clay, yellow----- | 12 | 16 | Clay----- | 5 | 15 |
| Clay and gravel----- | 8 | 24 | Gravel, water-bearing----- | 28 | 43 |
| Gravel, coarse----- | 21 | 45 | <u>12S/4W-30cab.</u> R. C. Hathaway. Altitude 228 ft. Drilled by L. W. Mutschler Well Drilling, 1969. Casing: 8-in. diam to 30 ft; perforated 25-29 ft | | |
| Clay, blue----- | 13 | 58 | Soil----- | 4 | 4 |
| <u>12S/4W-18adbl.</u> F. M. Lamb. Altitude 222 ft. Drilled by Ace Drilling Co., 1961. Casing: 12-in. diam to 33 ft; perforated 27-32 ft | | | <u>12S/4W-32add.</u> Kenneth Reiman. Altitude 245 ft. Drilled by L. W. Mutschler Well Drilling, 1969. Casing: 6-in. diam to 50 ft; perforated 49-50 ft | | |
| Loam, sandy----- | 2 | 2 | Soil----- | 3 | 3 |
| Sand, brown----- | 6 | 8 | Clay, yellow----- | 12 | 15 |
| Sand and gravel----- | 10 | 18 | Clay, brown, sandy----- | 11 | 26 |
| Gravel, water-bearing----- | 15 | 33 | Gravel, fine, with coarse sand and brown clay-- | 16 | 42 |
| <u>12S/4W-21cab.</u> H. L. Slocum. Altitude 248 ft. Drilled by William M. Slate, 1955. Casing: 6-in. diam to 75 ft; perforated 60-75 ft | | | <u>12S/4W-34cbcb.</u> O. H. Froman. Altitude 253 ft. Drilled by William M. Slate, 1956. Casing: 6-in. diam to 80 ft; perforated 69-79 ft | | |
| Clay, brown----- | 21 | 21 | Clay, brown----- | 25 | 25 |
| Clay and gravel, brown----- | 18 | 39 | Clay and silt, brown----- | 7 | 32 |
| Clay, blue----- | 21 | 60 | Sand, brown----- | 1 | 33 |
| Sand, black----- | 14 | 74 | Clay, brown, and gravel----- | 8 | 41 |
| Clay, blue----- | 72 | 146 | Clay, brown----- | 2 | 43 |
| <u>12S/4W-22ddb.</u> Yates Scherer. Altitude 250 ft. Drilled by Casey Jones Well Drilling Co., 1969. Casing: 6-in. diam to 52 ft; unperforated | | | <u>12S/5W-2cdd.</u> R. G. Atwood. Altitude 225 ft. Drilled by G. A. Pruitt Well Drilling, 1958. Casing: 4-in. diam to 50 ft; perforated at 48-ft depth | | |
| Soil----- | 3 | 3 | Soil, clayey----- | 5 | 5 |
| Clay, yellow and blue----- | 24 | 27 | Clay, yellow----- | 20 | 25 |
| Sand and gravel, brown----- | 20 | 47 | Gravel, cemented----- | 15 | 40 |
| Sand and gravel, black----- | 6 | 53 | Sand, black, fine----- | 5 | 50 |
| <u>12S/4W-27bdcl.</u> Bob Lindsay. Altitude 255 ft. Drilled by Valley Well Drillers, 1965. Casing: 8-in. diam to 60 ft; perforated 52-58 ft | | | Clay, blue----- | | |
| Soil----- | 4 | 4 | | -- | -- |
| Clay, yellow----- | 14 | 18 | | | |
| Clay, blue----- | 12 | 30 | | | |
| Sand, brown----- | 20 | 50 | | | |
| Sand and gravel----- | 10 | 60 | | | |
| Clay, yellow----- | 2 | 62 | | | |
| Clay, blue----- | 6 | 68 | | | |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|--|--------------------------|-----------------|--|--------------------------|-----------------|
| <p><u>12S/5W-17ada.</u> F. H. Watenpugh. Altitude 264 ft. Drilled by G. A. Pruitt Well Drilling, 1955. Casing: 4-in. diam to 32 ft; unperforated</p> | | | <p><u>12S/5W-24abd.</u> V. Stuewe. Altitude 225 ft. Drilled by Valley Well Drillers, 1966. Casing: 6-in. diam to 39 ft; perforated 32-37 ft</p> | | |
| Clay, yellow----- | 20 | 20 | Soil----- | 4 | 4 |
| Clay, sandy----- | 12 | 32 | Clay, yellow----- | 8 | 12 |
| Gravel, water-bearing----- | 4 | 36 | Sand and gravel----- | 18 | 30 |
| Clay, sandy----- | 19 | 55 | Sand, coarse, and small-sized gravel----- | 8 | 38 |
| Gravel and clay, water-bearing----- | 3 | 58 | Clay, blue----- | 12 | 50 |
| <p><u>12S/5W-18bdb2.</u> Owen Faxon. Altitude 250 ft. Drilled by R. C. Gellatly, 1958. Casing: 6-in. diam to 16 ft; unperforated</p> | | | <p><u>12S/5W-29cbc.</u> William Furtick. Altitude 253 ft. Drilled by Schoen Electric & Pump, 1969. Casing: 8-in. diam to 70 ft; perforated 58-68 ft</p> | | |
| Soil----- | 1 | 1 | Loam, sandy----- | 4 | 4 |
| Clay, gray----- | 7 | 8 | Clay, brown, sandy----- | 20 | 24 |
| Gravel and clay----- | 7 | 15 | "Shalerocks"----- | 6 | 30 |
| Shale, dark-gray----- | 16 | 31 | Clay, brown----- | 5 | 35 |
| Sandstone, light-gray; 3 gpm at 32 ft----- | 9 | 40 | Claystone, blue-green----- | 15 | 50 |
| Shale, gray, hard----- | 100 | 140 | Claystone and sand, gray----- | 30 | 80 |
| Sandstone, light-gray----- | 20 | 160 | | | |
| Shale, dark-gray, water-bearing 180-188 ft----- | 28 | 188 | | | |
| <p><u>12S/5W-20acd.</u> Joseph Lachek. Altitude 235 ft. Drilled by R. C. Gellatly, 1959. Casing: 10-in. diam to 92 ft; perforated 56-92 ft</p> | | | <p><u>12S/5W-30bda.</u> Wayne Anderson. Altitude 315 ft. Drilled by L. W. Mutschler Well Drilling, 1969. Casing: 6-in. diam to 100 ft; unperforated</p> | | |
| Soil----- | 4 | 4 | Soil----- | 3 | 3 |
| Clay, light-gray----- | 11 | 15 | Clay, yellow----- | 29 | 32 |
| Clay, gray, tough----- | 5 | 20 | Clay, blue, with sand----- | 6 | 38 |
| Clay, blue----- | 5 | 25 | Clay, yellow----- | 40 | 78 |
| Gravel and clay----- | 11 | 36 | Claystone, gray----- | 16 | 94 |
| Clay, gray----- | 18 | 54 | Sand, coarse, with fine gravel; water-bearing-- | 6 | 100 |
| Sand and gravel, gray----- | 8 | 62 | | | |
| Clay, gray----- | 13 | 75 | | | |
| Sand, gray, and gravel----- | 19 | 94 | | | |
| Clay, tough----- | 6 | 100 | | | |
| <p><u>12S/5W-20adc.</u> Neil Campbell, Jr. Altitude 237 ft. Drilled by Bill Howell Well Drilling, 1969. Casing: 6-in. diam to 37 ft; perforated 34½-36½ ft</p> | | | <p><u>12S/5W-30dac.</u> William Furtick. Altitude 320 ft. Drilled by Schoen Electric & Pump, 1970. Casing: 6-in. diam to 180 ft; unperforated</p> | | |
| Clay, brown----- | 14 | 14 | Clay, yellow----- | 19 | 19 |
| Clay, blue----- | 10 | 24 | Clay, yellow, sandy----- | 7 | 26 |
| Sand and gravel, black----- | 12 | 36 | Clay, yellow----- | 14 | 40 |
| Clay, blue----- | 1 | 37 | Claystone, yellow, sandy----- | 41 | 81 |
| | | | Gravel----- | 4 | 85 |
| | | | Clay, blue, with sandy streaks----- | 35 | 120 |
| | | | Sand, blue, fine----- | 6 | 126 |
| | | | Clay, blue, heavy----- | 29 | 155 |
| | | | Clay, blue, sandy----- | 7 | 162 |
| | | | Sand, blue, fine to medium----- | 18 | 180 |
| <p><u>12S/5W-22cdb.</u> City of Corvallis. Altitude 240 ft. Drilled by Bill Hamilton Well Drillers, 1957. Casing: 8-in. diam to 40 ft; screened 40-55 ft</p> | | | <p><u>12S/5W-31ada.</u> Leighton Davis. Altitude 240 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham, 1970. Casing: 10-in. diam to 118 ft; perforated 33-37 ft, 70-77 ft, and 107-117 ft</p> | | |
| Soil and clay----- | 37 | 37 | Soil----- | 2 | 2 |
| Gravel----- | 9 | 46 | Clay, brown and gray----- | 28 | 30 |
| Clay, yellow----- | 4 | 50 | Sand, gray----- | 5 | 35 |
| Sand, coarse, and gravel----- | 7 | 57 | Clay, gray----- | 27 | 62 |
| Clay, blue----- | -- | -- | Clay, gray, sandy----- | 8 | 70 |
| | | | Sand, gray, and fine gravel----- | 7 | 77 |
| | | | Clay, gray----- | 17 | 94 |
| | | | Clay, sandy, and wood----- | 9 | 103 |
| | | | Sand and gravel----- | 11 | 114 |
| | | | Clay, gray----- | 4 | 118 |
| <p><u>12S/5W-22dca2.</u> City of Corvallis. Altitude 240 ft. Drilled by Bill Howell Well Drilling, 1965. Casing: 8-in. diam to 44 ft; perforated 33-43 ft</p> | | | <p><u>12S/5W-31dca.</u> Leighton Davis. Altitude 296 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham, 1967. Casing: 6-in. diam to 94 ft; perforated 31-35 ft, 89-94 ft</p> | | |
| Clay, brown----- | 19 | 19 | Soil----- | 2 | 2 |
| Clay mud, blue----- | 5 | 24 | Clay, light-gray----- | 13 | 15 |
| Sand and clay, blue----- | 8 | 32 | Clay, red, and sand----- | 4 | 19 |
| Gravel and sand, brown, fine----- | 7 | 39 | Sand and clay, yellow----- | 10 | 29 |
| Gravel, coarse----- | 3 | 42 | Sand and clay, gray----- | 7 | 36 |
| Gravel and sand, fine----- | 2 | 44 | Clay, yellow----- | 19 | 55 |
| Clay, blue----- | 6 | 50 | Clay, gray----- | 30 | 85 |
| | | | Clay, gray, sandy----- | 5 | 90 |
| | | | Gravel and sand----- | 2 | 92 |
| | | | Clay, gray, "tough"----- | 2 | 94 |
| <p><u>12S/5W-23cba.</u> H. E. Huston. Altitude 242 ft. Drilled by Todd's Drilling Service, 1968. Casing: 6-in. diam to 52 ft; perforated 45-50 ft</p> | | | | | |
| Soil----- | 2 | 2 | | | |
| Clay, blue, soft----- | 2 | 4 | | | |
| Silt----- | 24 | 28 | | | |
| Gravel, consolidated----- | 4 | 32 | | | |
| " ", medium-sized, loose----- | 20 | 52 | | | |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|--|--------------------------|-----------------|--|--------------------------|-----------------|
| <u>12S/5W-32ccb.</u> Leighton Davis. Altitude 245 ft. Drilled by Raymond C. Gellatly, 1966. Casing: 8-in. diam to 114 ft; perforated 34-41 ft, 65-80 ft, and 90-102 ft | | | <u>12S/6W-13cbd.</u> Eugene Hockema. Altitude 290 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham, 1967. Casing: 6-in. diam to 20 ft; unperforated | | |
| Soil----- | 2 | 2 | Soil----- | 2 | 2 |
| Loam, brown----- | 13 | 15 | Clay, red----- | 13 | 15 |
| Clay, gray----- | 6 | 21 | Claystone, gray----- | 21 | 36 |
| Gravel, cemented, and sand and clay----- | 13 | 34 | Basalt, gray----- | 174 | 210 |
| Sand, coarse, and gravel----- | 10 | 44 | Basalt, gray and red, and white and pink quartz----- | 40 | 250 |
| Clay, gray, tough----- | 12 | 56 | Basalt, gray, and white quartz----- | 43 | 293 |
| Clay, dark-gray, sandy----- | 9 | 65 | Basalt, broken, water-bearing----- | 3 | 296 |
| Sand, gray, and fine gravel, with rotten wood-- | 10 | 75 | | | |
| Clay, gray----- | 23 | 98 | <u>12S/6W-14bab.</u> Wayne Wigle. Altitude 300 ft. Drilled by G. A. Pruitt Well Drilling, 1961. Casing: 5-in. diam to 30 ft; unperforated | | |
| Sand, gray, and gravel----- | 7 | 105 | Soil----- | 2 | 2 |
| Clay, gray, sandy----- | 9 | 114 | Clay, brown, soft----- | 16 | 18 |
| | | | Clay, brown, hard----- | 11 | 29 |
| <u>12S/5W-35bab.</u> C. E. Jones. Altitude 241 ft. Drilled by O. B. Nye, 1961. Casing: 6-in. diam to 42 ft; perforated 38-42 ft | | | Basalt, black, with quartz----- | 74 | 103 |
| Soil and brown clay----- | 29 | 29 | Basalt, broken, water-bearing----- | 4 | 107 |
| Clay, gray, and sand, packed----- | 9 | 38 | | | |
| Sand and gravel, water-bearing----- | 4 | 42 | <u>12S/6W-14dcb.</u> Edward Lakaff. Altitude 360 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 6-in. diam to 43 ft; perforated 36-43 ft | | |
| | | | Soil----- | 3 | 3 |
| <u>12S/6W-1cbb.</u> Edward Lakaff. Altitude 360 ft. Drilled by Merle Warren Well Drilling, 1966. Casing: 6-in. diam to 43 ft; perforated 36-43 ft | | | Rock, shaley----- | 25 | 28 |
| Soil----- | 3 | 3 | Rock, black----- | 17 | 45 |
| Rock, shaley----- | 25 | 28 | | | |
| Rock, black----- | 17 | 45 | <u>12S/6W-10dad2.</u> D. B. Lorain. Altitude 325 ft. Drilled by Casey Jones Well Drilling Co., 1970. Casing: 6-in. diam to 24 ft; unperforated | | |
| | | | Soil----- | 2 | 2 |
| <u>12S/6W-10dad2.</u> D. B. Lorain. Altitude 325 ft. Drilled by Casey Jones Well Drilling Co., 1970. Casing: 6-in. diam to 24 ft; unperforated | | | Clay, yellow----- | 17 | 19 |
| Soil----- | 2 | 2 | Basalt, black, broken----- | 2 | 21 |
| Clay, yellow----- | 17 | 19 | Basalt, black----- | 141 | 162 |
| Basalt, black, broken----- | 2 | 21 | Sandstone, blue-black----- | 63 | 225 |
| Basalt, black----- | 141 | 162 | | | |
| Sandstone, blue-black----- | 63 | 225 | <u>12S/6W-12dac.</u> School Dist. 17C. Altitude 272 ft. Drilled by R. C. Gellatly, 1957. Casing: 8-in. diam to 169 ft; perforated 60-70 ft, 104-109 ft, 140-145 ft, and 163-169 ft | | |
| | | | Topsoil----- | 4 | 4 |
| <u>12S/6W-12dac.</u> School Dist. 17C. Altitude 272 ft. Drilled by R. C. Gellatly, 1957. Casing: 8-in. diam to 169 ft; perforated 60-70 ft, 104-109 ft, 140-145 ft, and 163-169 ft | | | Clay, very impervious----- | 6 | 10 |
| Topsoil----- | 4 | 4 | Boulders and gravel----- | 8 | 18 |
| Clay, very impervious----- | 6 | 10 | Clay, brown, very impervious----- | 22 | 40 |
| Boulders and gravel----- | 8 | 18 | Clay, red, with some sand and gravel----- | 30 | 70 |
| Clay, brown, very impervious----- | 22 | 40 | Clay, gray and red----- | 35 | 105 |
| Clay, red, with some sand and gravel----- | 30 | 70 | Clay, gray, with some "grit" and gravel----- | 5 | 110 |
| Clay, gray and red----- | 35 | 105 | Clay, red and yellow----- | 30 | 140 |
| Clay, gray, with some "grit" and gravel----- | 5 | 110 | Gravel, ½- to ¾-in. diam, and hardpan----- | 15 | 155 |
| Clay, red and yellow----- | 30 | 140 | Sandstone, brown, water-bearing----- | 20 | 175 |
| Gravel, ½- to ¾-in. diam, and hardpan----- | 15 | 155 | Shale, gray----- | 10 | 185 |
| Sandstone, brown, water-bearing----- | 20 | 175 | Rock, gray----- | 65 | 250 |
| Shale, gray----- | 10 | 185 | | | |
| Rock, gray----- | 65 | 250 | <u>12S/6W-12dcd.</u> Hobin Lumber Co. Altitude 275 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1970. Casing: 8-in. diam to 169 ft; perforated 158-168 ft | | |
| | | | Rock and gravel fill----- | 2 | 2 |
| <u>12S/6W-12dcd.</u> Hobin Lumber Co. Altitude 275 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1970. Casing: 8-in. diam to 169 ft; perforated 158-168 ft | | | Clay, brown----- | 9 | 11 |
| Rock and gravel fill----- | 2 | 2 | Clay, brown, and gravel----- | 19 | 30 |
| Clay, brown----- | 9 | 11 | Clay, gray----- | 9 | 39 |
| Clay, brown, and gravel----- | 19 | 30 | Sand and gravel, gray----- | 9 | 48 |
| Clay, gray----- | 9 | 39 | Clay and wood, blue----- | 22 | 70 |
| Sand and gravel, gray----- | 9 | 48 | Gravel and sand----- | 5 | 75 |
| Clay and wood, blue----- | 22 | 70 | Clay, brown and gray----- | 60 | 135 |
| Gravel and sand----- | 5 | 75 | Clay and sand, brown, and fine gravel----- | 10 | 145 |
| Clay, brown and gray----- | 60 | 135 | Gravel and sand----- | 10 | 155 |
| Clay and sand, brown, and fine gravel----- | 10 | 145 | Gravel and sand, cemented----- | 12 | 167 |
| Gravel and sand----- | 10 | 155 | Clay, gray----- | 2 | 169 |
| Gravel and sand, cemented----- | 12 | 167 | | | |
| Clay, gray----- | 2 | 169 | <u>12S/6W-15aac.</u> V. A. Cone. Altitude 339 ft. Drilled by Schoen Electric & Pump, 1971. Casing: 10-in. diam to 18 ft; unperforated | | |
| | | | Soil, brown----- | 4 | 4 |
| <u>12S/6W-15aac.</u> V. A. Cone. Altitude 339 ft. Drilled by Schoen Electric & Pump, 1971. Casing: 10-in. diam to 18 ft; unperforated | | | Clay, gray, "gummy"----- | 6 | 10 |
| Soil, brown----- | 4 | 4 | Sandstone, blue----- | 2 | 12 |
| Clay, gray, "gummy"----- | 6 | 10 | Sandstone, blue, with streaks of quartz----- | 20 | 32 |
| Sandstone, blue----- | 2 | 12 | Sandstone, gray----- | 4 | 36 |
| Sandstone, blue, with streaks of quartz----- | 20 | 32 | Sandstone, blue, hard----- | 64 | 100 |
| Sandstone, gray----- | 4 | 36 | Sandstone, blue, with streaks of quartz----- | 25 | 125 |
| Sandstone, blue, hard----- | 64 | 100 | Rock, black----- | 15 | 140 |
| Sandstone, blue, with streaks of quartz----- | 25 | 125 | Sandstone, blue----- | 18 | 158 |
| Rock, black----- | 15 | 140 | Sandstone, gray----- | 2 | 160 |
| Sandstone, blue----- | 18 | 158 | Rock, black, with streaks of quartz----- | 30 | 190 |
| Sandstone, gray----- | 2 | 160 | Sandstone, blue, hard, with streaks of quartz-- | 50 | 240 |
| Rock, black, with streaks of quartz----- | 30 | 190 | Rock, blue, with quartz----- | 5 | 245 |
| Sandstone, blue, hard, with streaks of quartz-- | 50 | 240 | Sandstone, blue, with quartz----- | 10 | 255 |
| Rock, blue, with quartz----- | 5 | 245 | Rock, blue, with quartz----- | 35 | 290 |
| Sandstone, blue, with quartz----- | 10 | 255 | Sandstone, blue, with quartz----- | 5 | 295 |
| Rock, blue, with quartz----- | 35 | 290 | Rock, blue, with fractured quartz----- | 25 | 320 |
| Sandstone, blue, with quartz----- | 5 | 295 | Sandstone, black, hard, with quartz----- | 25 | 345 |
| Rock, blue, with fractured quartz----- | 25 | 320 | Sandstone, gray, with quartz----- | 10 | 366 |
| Sandstone, black, hard, with quartz----- | 25 | 345 | Sandstone, black, hard, with quartz----- | 105 | 460 |
| Sandstone, gray, with quartz----- | 10 | 366 | Sandstone, green, with quartz----- | 145 | 605 |
| Sandstone, black, hard, with quartz----- | 105 | 460 | | | |
| Sandstone, green, with quartz----- | 145 | 605 | | | |

Table 2.--Drillers' logs of representative wells--Continued

| Materials | Thick- ness (feet) | Depth (feet) | Materials | Thick- ness (feet) | Depth (feet) |
|---|--------------------------|-----------------|---|--------------------------|-----------------|
| <u>12S/6W-15cba.</u> A. L. Gellatly. Altitude 315 ft. Drilled by Raymond D. Gellatly & Ronald S. Witham, 1968. Casing: 6-in. diam to 46 ft | | | <u>12S/6W-26cba.</u> R. H. Munger. Altitude 450 ft. Drilled by Eldon J. Studebaker, 1968. Casing: 6-in. diam to 90 ft; perforated 63-88 ft | | |
| Soil----- | 1 | 1 | Soil----- | 1 | 1 |
| Gravel and sand----- | 7 | 8 | Clay, yellow----- | 53 | 54 |
| Basalt, brown, broken, and boulders----- | 15 | 23 | Conglomerate, yellow----- | 8 | 62 |
| Boulders and brown clay----- | 7 | 30 | Clay, blue----- | 23 | 85 |
| Basalt, brown, broken, with white quartz----- | 15 | 45 | Basalt----- | 21 | 106 |
| Basalt, black, with white quartz----- | 9 | 54 | | | |
| Basalt, brown, with white quartz, water- bearing----- | 28 | 82 | | | |
| <u>12S/6W-21bbd.</u> Sharon Spears. Altitude 350 ft. Drilled by Schoen Electric & Pump, 1970. Casing: 6-in. diam to 20 ft; unperforated | | | <u>12S/6W-27dcb.</u> Lemont McCracken. Altitude 550 ft. Drilled by Raymond C. Gellatly, 1967. Casing: 6-in. diam to 25 ft; un- perforated | | |
| Clay----- | 12 | 12 | Soil----- | 1 | 1 |
| Clay and gravel----- | 3 | 15 | Clay, red----- | 11 | 12 |
| Rock, blue----- | 34 | 49 | Clay, light-red----- | 7 | 19 |
| Rock, blue-gray----- | 11 | 60 | Clay, yellow, and "grit"----- | 4 | 23 |
| Rock, blue, with quartz----- | 16 | 76 | Claystone, yellow----- | 2 | 25 |
| Sandstone, blue-gray----- | 7 | 83 | Sandstone, light-gray----- | 9 | 34 |
| Sandstone, blue, hard----- | 25 | 108 | Claystone, light-gray----- | 14 | 48 |
| Sandstone, gray----- | 14 | 122 | Claystone, dark-gray----- | 7 | 55 |
| Rock, blue, hard----- | 9 | 131 | Sandstone, gray----- | 3 | 58 |
| Sandstone, blue-gray----- | 9 | 140 | Claystone, dark-gray----- | 59 | 117 |
| Sandstone, blue, with quartz----- | 16 | 156 | Sandstone, light-gray----- | 8 | 125 |
| Rock, blue, hard, with quartz----- | 44 | 200 | Claystone, dark-gray----- | 58 | 183 |
| | | | Sandstone, light-gray----- | 7 | 190 |
| | | | Claystone, dark-gray----- | 14 | 204 |
| | | | Sandstone, white and reddish-gray----- | 4 | 208 |
| <u>12S/6W-22abd.</u> J. W. Smith. Altitude 600 ft. Drilled by Raymond D. Gellatly & Ronald S. Witham Well Drilling, 1970. Casing: 6-in. diam to 20 ft; unperforated | | | <u>12S/6W-34bba1.</u> Robert Christ. Altitude 480 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1969. Casing: 6-in. diam to 33 ft | | |
| Soil----- | 2 | 2 | Soil----- | 1 | 1 |
| Soil, red----- | 15 | 17 | Clay, red and yellow, with broken sandstone----- | 13 | 14 |
| Claystone, gray----- | 4 | 21 | Sandstone, brown, broken----- | 5 | 19 |
| Basalt, gray, and white quartz----- | 119 | 140 | Sandstone, brown, hard----- | 14 | 33 |
| Basalt, gray, hard----- | 68 | 208 | Sandstone, gray, broken, water-bearing----- | 6 | 39 |
| Basalt, broken, water-bearing----- | 4 | 212 | Claystone, dark-gray----- | 44 | 83 |
| | | | Sandstone, light-gray----- | 8 | 91 |
| | | | Claystone, gray----- | 4 | 95 |
| | | | Sandstone, green and gray----- | 13 | 108 |
| <u>12S/6W-24dbc.</u> A. W. Roody. Altitude 320 ft. Drilled by Casey Jones Well Drilling Co., 1968. Casing: 6-in. diam to 93 ft; unperforated | | | <u>12S/6W-34bba2.</u> Robert Christ. Altitude 480 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1969. Casing: 6-in. diam to 29 ft; unperforated | | |
| Soil----- | 2 | 2 | Soil----- | 1 | 1 |
| Clay, yellow----- | 44 | 46 | Clay, red, and broken rock----- | 6 | 7 |
| Shale, blue----- | 8 | 54 | Clay, red and yellow, and broken rock----- | 8 | 15 |
| Clay, yellow and blue----- | 36 | 90 | Clay and "grit," yellow----- | 8 | 23 |
| Sandstone, blue-black----- | 270 | 360 | Claystone, gray----- | 13 | 36 |
| | | | Sandstone, gray----- | 15 | 51 |
| | | | Claystone, gray----- | 26 | 77 |
| | | | Rock, gray, broken, with quartz, water-bearing----- | 5 | 82 |
| <u>12S/6W-25abb.</u> Herb Pugh. Altitude 312 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1967. Casing: 6-in. diam to 58 ft; unperforated | | | <u>12S/6W-36acc.</u> Darrell Henderson. Altitude 250 ft. Drilled by Raymond C. Gellatly & Ronald S. Witham Well Drilling, 1967. Casing: 6-in. diam to 22 ft; unperforated | | |
| Soil----- | 3 | 3 | Soil----- | 3 | 3 |
| Clay, gray----- | 7 | 10 | Clay, yellow, gray, and "grit"----- | 16 | 19 |
| Clay and "grit," red----- | 10 | 20 | Sandstone, hard----- | 4 | 23 |
| Clay, brown, and sand and gravel----- | 22 | 42 | Claystone, dark-gray and light-gray----- | 56 | 79 |
| Sand, brown----- | 4 | 46 | Sandstone, gray, hard, with white streaks; water-bearing (2 gpm)----- | 3 | 82 |
| Clay and "grit," red----- | 7 | 53 | Claystone, dark-gray and light-gray, with black "grit"----- | 44 | 126 |
| Clay, gray and brown----- | 8 | 61 | Claystone, dark-gray and light-gray----- | 37 | 163 |
| Clay, brown, impervious, mixed with gray clay-- | 134 | 195 | Claystone, gray, with hard-packed sand----- | 14 | 177 |
| | | | Claystone, light-gray----- | 38 | 215 |
| | | | Sandstone, dark-gray, streaked with white----- | 6 | 221 |
| | | | Sandstone, gray, hard, water-bearing (1 gpm)--- | 2 | 223 |
| | | | Claystone, gray----- | 15 | 238 |
| | | | Claystone, gray, with some sandy "grit"----- | 7 | 245 |
| | | | Claystone, light-gray----- | 5 | 250 |
| <u>12S/6W-25dbb.</u> W. L. Howard. Altitude 310 ft. Drilled by Bill Howell Well Drilling, 1958. Casing: 6-in. diam to 202 ft; unperforated | | | | | |
| Clay, brown----- | 138 | 138 | | | |
| Clay, blue----- | 69 | 207 | | | |
| Shale----- | 3 | 210 | | | |
| Clay, blue----- | 15 | 225 | | | |

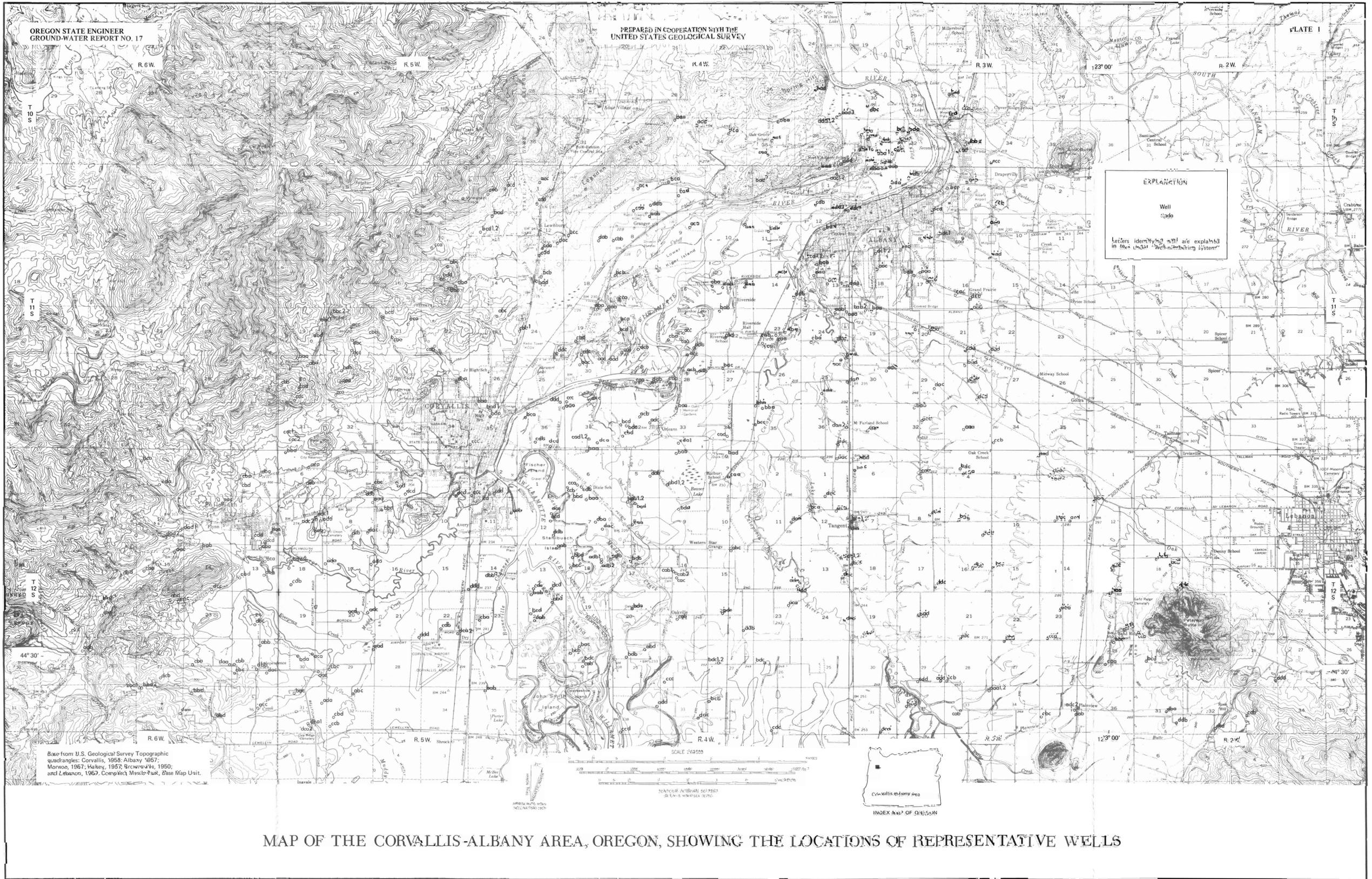
Table 3.--Chemical analyses of water in the Corvallis-Albany area

| Location number | Water-bearing material | Date of collection | Milligrams per liter | | | | | | | | | | | | | | | | | | pH | Temperature | | Laboratory | Remarks | | | | |
|-----------------|------------------------|--------------------|----------------------------|----------------------|---------------------------|--------------|----------------|-------------|---------------|---------------------------------|------------------------------|----------------------------|---------------|--------------|----------------------------|--------------------------|-----------------------|-----------|--------------|---|-------|-------------------|-----------------------|------------|---------|-------------------------------|---|------|---------------|
| | | | Silica (SiO ₂) | Iron (Fe), dissolved | Manganese (Mn), dissolved | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO ₃) | Carbonate (CO ₃) | Sulfate (SO ₄) | Chloride (Cl) | Fluoride (F) | Nitrate (NO ₃) | Nitrite + Nitrate (as N) | Phosphate, ortho as P | Boron (B) | Arsenic (As) | Dissolved solids, calculated from determined constituents | | Hardness (Ca, Mg) | Noncarbonate hardness | | | Sodium-adsorption-ratio (SAR) | Specific conductance (microhmios at 25°C) | °C | °F |
| 10S/3W-31dcd | Gravel | 1-26-71 | 43 | 0.03 | 0.03 | 30 | 18 | 13 | 0.8 | -- | -- | 11 | 28 | 0.1 | -- | 4.5 | 0.15 | -- | 0.005 | 250 | 130 | -- | 0.6 | 290 | 6.7 | -- | -- | OSHD | |
| 10S/3W-31ddc | Sand and gravel | do | 53 | ^{2/} .03 | .03 | 32 | 20 | 11 | .3 | -- | -- | 25 | 27 | .1 | -- | 16 | .11 | -- | .005 | 310 | 150 | -- | 1.2 | 360 | 6.9 | -- | -- | OSHD | |
| 10S/3W-32cbc | do | do | 54 | ^{2/} .03 | .03 | 34 | 20 | 12 | 1.0 | -- | -- | 26 | 27 | .2 | -- | 9.2 | .21 | -- | .005 | 295 | 142 | -- | .4 | 248 | 6.7 | -- | -- | OSHD | |
| 10S/4W-25ddd | Gravel and sand | 8-26-71 | 47 | .02 | -- | 60 | 25 | 31 | 2.0 | 106 | -- | 23 | 140 | .5 | -- | 5.3 | .08 | 0.32 | .030 | 405 | 250 | 170 | .8 | 736 | 6.6 | 12 | 53 | USGS | ^{3/} |
| 11S/3W-4acb | Sand and gravel | 5-24-66 | 42 | ^{2/} .08 | -- | 7.4 | 4.6 | 17 | 1.2 | 84 | -- | 1 | 2.5 | .1 | 0.8 | -- | .55 | .02 | 0 | 119 | 39 | 0 | .2 | 143 | 7.5 | 14 | 57 | USGS | |
| 11S/3W-17bda | do | 6-17-66 | 33 | .37 | -- | 33 | 17 | 14 | 1.0 | 213 | 0 | 1.4 | 4.5 | .3 | .2 | -- | .26 | .11 | 0 | 210 | 152 | 0 | .5 | 330 | 7.8 | 13 | 56 | USGS | |
| 11S/3W-17bdb | do | 8-26-71 | 31 | .10 | -- | 22 | 12 | 27 | 1.4 | 191 | 0 | 0 | 6.0 | .5 | 0 | -- | .34 | .41 | 0 | 196 | 100 | 0 | 1.2 | 305 | 7.7 | 14.5 | 58 | USGS | ^{4/} |
| 11S/3W-19baa | do | 5-24-71 | 30 | .16 | .14 | 16 | 7.9 | 40 | 1.2 | 165 | 0 | .8 | 13 | 0 | -- | -- | .70 | .05 | -- | 195 | 72 | 0 | 2 | 301 | 7.6 | 13 | 55 | USGS | |
| 11S/3W-33caa | Gravel and sand | do | 36 | .04 | .05 | 22 | 11 | 16 | 1.1 | 143 | 0 | 0 | 8.5 | .1 | -- | .46 | .10 | .06 | -- | 168 | 100 | 0 | .7 | 252 | 7.6 | 13 | 55 | USGS | |
| 11S/4W-19cbd | Sand and gravel | 10-8-66 | 44 | ^{2/} .03 | -- | 14 | -- | 7.6 | 1.4 | 80 | 0 | 3.6 | 5.0 | .2 | 7.4 | -- | .14 | -- | -- | 132 | 68 | 2 | -- | 167 | 6.8 | -- | -- | OSHD | |
| 11S/4W-32bdc | Clay, sand, and gravel | 8-11-69 | 61 | 13.4 ^{2/} | 0 | 14 | 9.3 | 10 | .8 | 69 | 0 | 15 | 6.6 | .6 | 1.2 | -- | -- | -- | .001 | 340 | 72 | -- | .5 | -- | 6.5 | -- | -- | CL | |
| 11S/4W-32cbd | Gravel | -- | -- | .24 | -- | -- | -- | -- | -- | 80 | 10 | -- | 24.5 | -- | -- | -- | -- | -- | -- | 210 | 102 | -- | -- | -- | -- | -- | -- | CL | |
| 11S/5W-13acb | Claystone | 5-25-71 | 11 | .11 | .12 | 600 | 3.9 | 1,400 | 2.7 | 23 | 0 | 500 | 3,100 | .8 | -- | .02 | .01 | 1.70 | -- | 5,630 | 1,500 | 1,500 | 16 | 9,360 | 7.6 | 14 | 80 | USGS | |
| 11S/5W-20bbc1 | Broken basalt | 10-23-66 | 32 | ^{2/} .05 | -- | 33 | 9.8 | 9.2 | .2 | 166 | 0 | .2 | 4.0 | .1 | .2 | -- | -- | -- | -- | 171 | 123 | 0 | .7 | 262 | 7.6 | -- | -- | USGS | |
| 11S/5W-20bbc2 | do | 2-21-66 | 32 | ^{2/} .08 | -- | 32 | -- | 8.5 | .3 | 162 | 0 | 1.0 | 6.0 | .1 | .3 | -- | -- | -- | -- | 170 | 121 | 0 | -- | 259 | 7.5 | 10 | 50 | USGS | |
| 11S/5W-21bcd | do | 6-22-65 | 17 | ^{2/} .06 | -- | 1.2 | .2 | 38 | .1 | 67 | 16 | 1.2 | 4.2 | .1 | 0 | -- | .02 | .05 | 0 | 111 | 4 | 0 | 8.7 | 170 | 9.3 | 14 | 58 | USGS | |
| 11S/5W-29caa | Lava rock | do | 57 | ^{2/} .02 | -- | 16 | 5.7 | 8.4 | .1 | 93 | 0 | 1.2 | 2.8 | 0 | 0 | -- | .03 | 0 | 0 | 137 | 64 | 0 | .5 | 157 | 7.3 | 13 | 55 | USGS | |
| 11S/5W-36dcd | Gravel | 12-14-64 | 33 | ^{2/} .02 | 0 | 13 | 8.0 | 5.9 | 1.1 | 68 | 0 | 9.0 | 7.5 | .1 | 3.3 | -- | .05 | -- | 0 | 114 | 66 | 10 | .3 | 159 | 6.6 | 11 | 52 | USGS | |
| 12S/3W-35adc2 | Clay and shale | 5-25-71 | 47 | .14 | .24 | 110 | 43 | 82 | .4 | 228 | 0 | 52 | 200 | .2 | -- | 2.4 | .03 | .04 | -- | 753 | 450 | 260 | 1.7 | 1,270 | 7.4 | 13 | 55 | USGS | |
| 12S/4W-6baa | Sand and gravel | 8-26-71 | 61 | .01 | -- | 18 | 10 | 9.0 | .8 | 124 | 0 | 7.3 | 5.0 | .1 | 2.8 | -- | .12 | 0 | .020 | 185 | 86 | 0 | .4 | 217 | 6.3 | 13 | 55 | USGS | ^{3/} |
| 12S/4W-6cdb | Gravel | 7-23-71 | 42 | .03 | 0 | 21 | 11 | 11 | .6 | 87 | 0 | 15 | 12 | 0 | -- | 5.8 | .02 | .06 | .003 | 181 | 72 | 26 | .5 | 246 | 7.2 | 14 | 58 | USGS | |
| 12S/4W-29bdb | Sand | 5-25-71 | 28 | 1.5 | .18 | 61 | 11 | 280 | 2.7 | 325 | 0 | 4.3 | 360 | 0 | -- | 1.5 | .10 | .52 | -- | 916 | 200 | 0 | 8.7 | 1,640 | 7.5 | 14 | 58 | USGS | |
| 12S/5W-22dca2 | Gravel and sand | 5-26-71 | 46 | .30 | 1.10 | 62 | 24 | 22 | 2.8 | 324 | 0 | 16 | 16 | .3 | -- | .35 | .50 | .04 | -- | 353 | 250 | 0 | .6 | 606 | 7.7 | 13 | 55 | USGS | |
| 12S/5W-30dac | Sand | do | 20 | .03 | .25 | 47 | 10 | 38 | 1.0 | 193 | 0 | .3 | 56 | 0 | -- | .02 | .22 | .11 | -- | 268 | 160 | 0 | 1.3 | 541 | 7.3 | 13 | 55 | USGS | |
| 12S/6W-12dcd | Gravel and sand | 5-27-71 | 32 | .04 | .09 | 220 | 15 | 140 | 1.2 | 111 | 0 | 2.5 | 590 | 0 | -- | .03 | .03 | .16 | -- | 1,060 | 610 | 520 | 2.5 | 2,050 | 7.6 | 13 | 55 | USGS | |
| 12S/6W-14dcc | Sandstone | 8-25-71 | 48 | 1.4 | .03 | 15 | 1.1 | 29 | .5 | 117 | 0 | 8.5 | 5 | .5 | -- | .00 | .02 | .42 | .030 | 167 | 42 | 0 | 1.9 | 206 | 7.7 | 14 | 58 | USGS | |
| 12S/6W-15aac | Sandstone | 6-18-71 | 30 | .01 | .05 | 33 | .3 | 100 | .3 | 39 | 0 | 1.9 | 200 | .2 | -- | .01 | .01 | .43 | -- | 385 | 84 | 52 | 4.8 | 709 | 6.3 | 14 | 58 | USGS | |

^{1/} Laboratory: CL, Charlton Laboratories; OSRD, Oregon State Health Division Laboratory;

USGS, U.S. Geological Survey.

^{2/} Total iron in solution when sample collected.^{3/} Analyzed for nitrogen total as N, 5.6 mg/l.^{4/} Analyzed for nitrogen total as N, 0.29 mg/l.^{5/} Analyzed for nitrogen total as N, 3.0 mg/l.



OREGON STATE ENGINEER
GROUND-WATER REPORT NO. 17

PREPARED IN COOPERATION WITH THE
UNITED STATES GEOLOGICAL SURVEY

PLATE 1

EXPLANATION

Well

Letters identifying well are explained
in the local well-naming system

Base from U.S. Geological Survey Topographic
quadrangles: Corvallis, 1955; Albany 1957;
Monroe, 1967; Halsey, 1952; Brinesford, 1950;
and Lebanon, 1967. Contour interval, 20 feet.

SCALE 1:62,500

VERTICAL INTERVAL 20 FEET
HORIZONTAL INTERVAL 1:62,500

INDEX MAP OF OREGON

MAP OF THE CORVALLIS-ALBANY AREA, OREGON, SHOWING THE LOCATIONS OF REPRESENTATIVE WELLS