WELL CHARACTERISTICS AND PERFORMANCE

General Introductions

Records of wells drilled in 1969 have not been compiled for details on water, total depth, completion method, and construction information. A summary of well data is given in the following table and notes are made of wells that are likely to have been drilled.

Many of the entries on the 1969 Oregon Department of Geology and Mineral Industries Water Well Map were based on reports from geologists and others. The data are from public records and handbooks for the state.

About half the wells were drilled by the underground method, and half by miners. The majority were drilled in the 1960s, and some have been abandoned. The number of existing wells is about 1,000.

CHORONICAL ANALYSIS OF WATER

Chemical analysis of water is based on water samples collected and analyzed by the Oregon Health Division, Bureau of Laboratories, and are used for the following reasons:

- To determine the category of the water for disposal or use
- To determine the suitability of the water for domestic use
- To determine the suitability of the water for irrigation
- To determine the suitability of the water for industrial use
- To determine the suitability of the water for agricultural use

The following tables provide chemical analysis results for water samples collected from the selected wells.

DIAGRAM OF TYPICAL WELL INSTALLATION

Diagram of the typical well installation, including the well screen, gravel pack, casing, and pump. The diagram also shows the relationship between the well and the surrounding environment.

 localized dikes, but the concentrations are less than 10 mg/L. The water is suitable for all purposes except for the following:

- 1. Most municipalities use water for drinking and other purposes. The water in the following wells is suitable for drinking and other purposes:
- 2. The water in the following wells is suitable for irrigation but not for drinking:
- 3. The water in the following wells is suitable for industrial use but not for drinking:
- 4. The water in the following wells is suitable for agricultural use but not for drinking:
- 5. The water in the following wells is suitable for all purposes except for the following:

The following tables provide chemical analysis results for water samples collected from the selected wells.

Availability and Ground Water in the Drain - Vernon Area, Douglas County, Oregon

By J. H. Robson and C. A. Collins, 1976