

CURRENT ASSISTANCE IN WATER-DEVELOPMENT  
PROGRAM OF NAVAJO TRIBE, ARIZONA  
AND NEW MEXICO

By

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The U. S. Geological Survey is continuing to provide information to the Navajo Indian Tribe as a basis for its well-development program which began in 1951. Since 1951 the Survey has made feasibility studies and reports on several hundred well sites in the Navajo Indian Reservation and in adjoining areas owned by the Tribe. The wells supply water for domestic, stock, school, municipal, and industrial needs. The wells, ranging in depth from 50 to 2,660 feet, obtain water from formations representing every period of geologic time since the Pennsylvanian time. Well yields range from 2 to more than 800 gpm (gallons per minute); the depth to water ranges from 0 to more than 1,300 feet.

The information obtained from these wells has been of invaluable help in the stratigraphic studies of the Navajo country, and it will be included in the comprehensive report of the geology and hydrology of the Navajo country now being prepared for publication by the U. S. Geological Survey. Drill cuttings from many of the wells are on file at the Museum of Northern Arizona at Flagstaff. The logs and hydrologic data are on file in the Navajo Tribal Water Development office at Window Rock, Ariz.