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State of Washington
Department of Ecology
Yakima, Washington

IN THE MATTER OF GROUND WATER)
APPLICATION NO. G4-31325 FOR)
A PERMIT TO APPROPRIATE PUBLIC)
GROUND WATER FROM TWO WELLS)

PRELIMINARY
PERMIT

On June 2, 1992, Nob Hill Water Association of Yakima, Washington, filed Ground Water Application No. G4-31325 to appropriate public ground water from two wells for continuous municipal supply within the Association's service area.

The well sites proposed by this application are within the following legal subdivisions: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27, and the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 33 both within T. 13 N., R. 18 E.W.M.

The Association is currently constructing a well at a nearby site authorized under Ground Water Permit No. G4-24889P (as changed by Findings of Fact and Decision Report dated April 12, 1994). This well is located approximately 500 feet north and 450 feet west from the S $\frac{1}{4}$ corner of Section 27, T. 13 N., R. 18 E.W.M., within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 27.

The change authorization required that the subject well be restricted to the lower Ellensburg Formation (above the Saddle Mountains Basalt Formation) under Permit No. G4-24889P. Drilling has progressed fully through the lower Ellensburg Formation and at this time, the production from this zone is reported to be much lower than desired by the Association.

In order for the Association to assess the feasibility of additional wells in this vicinity, and specifically those proposed under Application No. G4-31325, they have expressed a desire to explore the production potential of basalt aquifers through deepening and testing the subject well. Nob Hill Water Association will also have chemical analysis of selected drill chip samples done to provide new information about the basalt formations in the area.

The information to be gained will assist in the determination of what water, if any, is available for appropriation. Due to the limited development of the Saddle Mountains Basalt Formation in this area, it is desirable and in the interest of the state that a PRELIMINARY PERMIT issue in order that the applicant make such surveys and investigations as may be required to further clarify the aquifer source proposed for the development.

Now therefore, I, Doug Clausung, Section Manager of the Central Regional Office of the Department of Ecology, under authority given me by RCW 90.03.290 and 90.44.060, do hereby issue this PRELIMINARY PERMIT, subject to the following conditions:

1. This PRELIMINARY PERMIT shall remain in effect through December 1, 1995, unless sooner completed, withdrawn, or canceled.

2. The subject well is located approximately as follows: 500 feet north and 450 feet west from the S $\frac{1}{4}$ corner of Section 27, T. 13 N., R. 18 E.W.M., within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 27.
3. This PRELIMINARY PERMIT shall pertain to data collection concerning the Saddle Mountains Basalt Formation and aquifer characteristics at the site. There may be other information needed concerning different aspects of the water supply project before a final decision is made on Application No. G4-31325.
4. For the purpose of this PRELIMINARY PERMIT, the well shall be completed no deeper than the bottom of the Umatilla Member of the Saddle Mountains Basalt Formation, said bottom estimated to occur at a depth of approximately 1830 feet. Close consultation during the drilling process is to be made with Gene Potts of the Department (phone 509/575-2800).
5. For the purpose of this PRELIMINARY PERMIT, the existing casing is adequately sealed into the Pomona Member of the Saddle Mountains Basalt Formation.
6. Drill chip samples shall be collected at five feet depth intervals and provided to the Department. The Department, in consultation with Nob Hill Water Association, will select samples for chemical analysis. The Association will be responsible for the analysis costs.
7. After completion of construction and clarification of the water by pumping or other means, the well shall be video scanned providing a clear, continuous image from the top of the well to the bottom. The video scan shall be provided to the Central Regional Office Water Resources Program of the Department of Ecology at 3601 West Washington Avenue, Yakima, WA 98903-1164.
8. The well shall meet or exceed the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells).
9. Pumping of the well for development and production testing will be directed and supervised by individual(s) experienced and qualified in performing such testing. Copies of all data collected relating to the testing shall be provided to the Department. The Department shall be notified before the test is begun.

10. Based on the test and analysis by accepted scientific methods, the applicant shall file a report with the Department to describe the results of this investigation, including a conclusion as to the maximum sustainable flow rate from the well.
11. Water pumped from the well shall be discharged in accordance with all applicable local, state, and federal laws.
12. Aquifer testing may be terminated at the Department's request in the event that impairment to senior water rights occurs.
13. No water is authorized for withdrawal from the well under this PRELIMINARY PERMIT except that pumped during aquifer testing and development.
14. This PRELIMINARY PERMIT does not grant right-of-way or easement to land not owned by the applicant.
15. This PRELIMINARY PERMIT does not guarantee or imply that a permit authorizing development of the project proposed by application No. G4-31325 will be approved.
16. Failure to comply with the provisions of this PRELIMINARY PERMIT shall be considered sufficient cause for cancellation of the PRELIMINARY PERMIT and rejection of Ground Water Application No. G4-31325.

Upon satisfactory completion of the above requirements, Ground Water Application No. G4-31325 shall remain in good standing pending a final decision by the Department.

Signed at Yakima, Washington this 24th day of June, 1994.



Doug Clausing, Section Supervisor
Water Resources Program
Central Regional Office
Department of Ecology

ENGINEERING DATA

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