

MEMORANDUM

TO: DEBBIE GIBSON
Through SHELLEY KEEN *SK*

FROM: KAY WALKER *KW*

RE: Field Examination Submitted with Proof of Beneficial Use for Permit 37-08670

Date: November 13, 2001
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Debbie: In a review of this field examination, I find we are missing some details that are required pursuant to our beneficial use examination rules and regulations.

- Rule 35.01.c. What is the actual source of water? The permit was issued for the use of 3 existing artesian wells. The examiner states that the source is groundwater but has not identified the location of any well(s) on the map attached to the exam. The examiner has identified a concrete collection box @ spring (Hailey Hot Springs on map) as the location of the diversion works. If the wells that were proposed have been developed, the examiner needs to identify their location on the map. The examiner should determine the relationship between the wells described in the application and the spring box developed, if there is one.
- Rule 35.01.f. This permit was issued with the condition "A flow measurement port or other device as specified by the Department shall be installed by the right holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department." The field examiner states: "Flow measurement ports were not observed and no flow measurement devices existed on the hot water lines. Flow measurement at the outfall pipe may be made with a flume or bucket measurement as made during our exam. A straight section of pipe on the hot water to the glycol system piping could be used for an ultrasonic meter capable of measuring 1.25" PVC pipe." Since measurement is possible, as the examiner describes, then the condition has been met. *OK*
- Rule 35.01.j. Volume amounts for each of the uses recommended need to be calculated.
- The rate recommended for wildlife exceeds the rate required for heating. The permit does not carry a condition explicitly requiring use of the low temperature geothermal resource primarily for heat. However, the applicant clearly intended to comply with the requirements of §42-233, *Idaho Code*,

which were in force when the permit was issued. See item 8.e.3. on the addendum to the application. The system will have to be modified so that the heating uses cannot be bypassed. (This problem identified by Shelley Keen)

I believe the examination should be returned to the field examiner so he can provide information concerning the developed source of water and volume amounts recommended for the license pursuant to Rule 37.03.02.b.