

TO: Water Rights Section

Feb 18, 1997

FROM: Groundwater/Hydrology Section Michael Zwart  
Reviewer's Name

SUBJECT: Application G- 14446

GROUNDWATER/SURFACE WATER CONSIDERATIONS

- 1. PER THE \_\_\_\_\_ Basin rules, one or more of the proposed POA's is/is not within \_\_\_\_\_ feet/mile of a surface water source (\_\_\_\_\_) and taps a groundwater source hydraulically connected to the surface water.
- 2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
  - a. \_\_\_ will, or \_\_\_\_\_ have the potential for substantial interference with the nearest
  - b. \_\_\_ will not \_\_\_\_\_ surface water source, namely \_\_\_\_\_; or
  - c.  will if properly conditioned, adequately protect the surface water from interference:
    - i.  The permit should contain condition #(s) 7B;
    - ii. \_\_\_ The permit should contain special condition(s) as indicated in "Remarks" below;
    - iii. \_\_\_ The permit should be conditioned as indicated in item 4 below; or
  - d. \_\_\_ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

- 3. BASED UPON available data, I have determined that groundwater for the proposed use
  - a. \_\_\_ will, or \_\_\_\_\_ likely be available in the amounts requested without injury to prior rights
  - b. \_\_\_ will not \_\_\_\_\_ and/or within the capacity of the resource; or
  - c.  will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
    - \* i.  The permit should contain condition #(s) 7C;
    - ii. \_\_\_ The permit should contain special condition(s) as indicated in "Remarks" below;
    - iii. \_\_\_ The permit should be conditioned as indicated in item 4 below; or
- 4.
  - a. \_\_\_ THE PERMIT should allow groundwater production from no deeper than \_\_\_\_\_ ft. below land surface;
  - b. \_\_\_ The permit should allow groundwater production from no shallower than \_\_\_\_\_ ft. below land surface;
  - c. \_\_\_ The permit should allow groundwater production only from the \_\_\_\_\_ groundwater reservoir between approximately \_\_\_\_\_ ft. and \_\_\_\_\_ ft. below land surface;
  - d. \_\_\_ Well reconstruction is necessary to accomplish one or more of the above conditions.
  - e. \_\_\_ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: \* specify period of measurement as between February 15 and March 15.

(Well Construction Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. \_\_\_ review of the well log;
  - b. \_\_\_ field inspection by \_\_\_\_\_;
  - c. \_\_\_ report of CWRE \_\_\_\_\_;
  - d. \_\_\_ other: (specify) \_\_\_\_\_

6. THE WELL construction deficiency:
- a. \_\_\_ constitutes a health threat under Division 200 rules;
  - b. \_\_\_ commingles water from more than one groundwater reservoir;
  - c. \_\_\_ permits the loss of artesian head;
  - d. \_\_\_ permits the de-watering of one or more groundwater reservoirs;
  - e. \_\_\_ other: (specify) \_\_\_\_\_

7. THE WELL construction deficiency is described as follows: \_\_\_\_\_  
\_\_\_\_\_

8. THE WELL
- a. \_\_\_ was, or constructed according to the standards in effect at the time of
  - b. \_\_\_ was not original construction or most recent modification.
  - c. \_\_\_ I don't know if it met standards at the time of construction.

---

**RECOMMENDATION:**

- A. \_\_\_ I recommend including the following condition in the permit:  
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. \_\_\_ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. \_\_\_ REFER this review to Enforcement Section for concurrence.

---

**THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL**

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit  
\_\_\_\_\_, 199\_\_.  
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_, 199\_\_.  
(Signature)



STATE OF OREGON  
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

To: FILE

Date: February 18, 1997

From: MICHAEL ZWART *MZ*

Subject: APPLICATION G-14446, ELKHORN RESOURCES, LLC, JIMMY BREWER

This application proposes to appropriate 3.75 cfs from two wells for irrigation of 300.0 acres. One existing well is estimated to be 475 feet deep and the other well is proposed to be 500 to 750 feet deep. No well log is available for the existing well, as it is reported to have been drilled for the Navy about 50 years ago. The second well may not be drilled, pending a pump test of the existing well. Both wells penetrate a confined aquifer developed in basalt of the Columbia River Basalt Group. The wells are about 3300 (#1) and 2600 (#2) feet from an unnamed intermittent tributary of the Columbia River. There is no potential for substantial interference with the creek, based on the nature of the aquifer penetrated and the distance.

I recommend permit condition 7B. I also recommend condition 7C, with the period of annual measurements specified as between February 15 and March 15.