

TO: Water Rights Section October 1, 1996
FROM: Groundwater/Hydrology Section Michael Zwart
SUBJECT: Application G-14309
Reviewer's Name

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) 7 B;
 - 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) 7 E;
 - 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: _____

(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: October 1, 1996

From: MICHAEL ZWART

Subject: APPLICATION G-14309, EARL E. BROWN AND SONS, INC.

This application proposes to use 2.0 cfs of groundwater from one well for irrigation of 80.0 acres and frost and temperature control. The well is proposed to be constructed (deepened) to a depth of 725 feet. The well will penetrate a confined to semi-confined aquifer developed in basalt of the Columbia River Basalt Group.

The well is located about 200 feet from Dugger Creek. The aquifer penetrated is not in hydraulic connection with the creek. There is no potential for substantial interference with the creek based on the confined aquifer penetrated.

Permit conditions 7B and 7E are recommended.

Proposed well on orig application was actually a proposal to deepen the original McClellan #1, UMAT 4858, to 700 ft. Orig well was a gravel well listed on certificate 67285. Plan was to convert it to a basalt well and cancel certificate 67285. Very little water was found in the basalts after deepening (see UMAT 50145, 50577) so the application was amended to drill a new basalt well (see UMAT 56939) in the SW corner of the SW 1/4 SE 1/4.

K. C. Noznick 8-21-2006.