

# Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-15081

ROUTED TO: WATER RIGHTS

TOWNSHIP/

RANGE-SECTION: 36S/1E-6

CONDITIONS ATTACHED? [] yes [] no

REMARKS OR FURTHER INSTRUCTIONS:

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Reviewer: DEW



TO: Water Rights Section

FEB 15, 2000  
199

FROM: Groundwater/Hydrology Section Doug Woodcock

Reviewer's Name

SUBJECT: Application G- 15081

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 L. BUTTE CR; or
  - c. \_\_\_ will if properly conditioned, adequately protect the surface water from interference:
    - i. \_\_\_ The permit should contain condition #(s) \_\_\_\_\_;
    - 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) 73;
    - 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 AND RESOURCE INCAPABLE OF SUPPORTING REQUEST OF 56 GPM (0.125 cfs). THIS REVIEW IS BASED UPON REDUCING THE REQUEST TO 10 GPM (0.022). DISCUSSION W/ APPLICANT INDICATES THIS IS OK TO PROCEED WITH THIS.

(Well Construction Considerations on Reverse Side)

WATER RESOURCES DEPARTMENT MEMORANDUM

To: Groundwater/Hydrology  
From: Doug Woodcock  
Subject: GW Application G-15081

Feb 9, 2000

Applicant: Deborah Thompson Gadbury Seek: 56 gpm  
From: 1 drilled well Little Butte sub-basin/Rogue Basin  
Proposed Use: Irr 10 ac Quad Name: Brownsboro

Well 1 (Jack 19406?) 36S/1E-6 NE of the SE Jackson County

1550 ft N and 12700 ft W of the SE Cor Sec 6

Well is 3600 ft from Little Butte Cr

Well elevation at site is ~ 1475 ft

Creek elev. is 1380(?) ft at closest point

Well depth is 260 ft

Evaluation Summary

The proposed use is for 10 ac of vineyard from a well that yields ~3.5 gpm. The allowable use is 56 gpm but applicant has not demonstrated water availability. The well may be Jack 19406 but that is not confirmed at this point. Well is described as 60's date with no log, flows at low yield and is 260 ft deep. Except for date, all very similar to Jack 19406 in same section. A flow test submitted with application shows well drops from 20 to 3.5 gpm in first 30 minutes of four-hour test.

The geology described in adjacent well logs shows ground water development from Western Cascadian volcanoclastic rocks (sandstone, mudstone) and volcanic flows.

Aquifer is confined and low possibility for direct connection with surface water. Well is closer to an unnamed tributary to L. Butte Cr than to L. Butte Cr itself, but it is on the other side of an intervening divide. No interference complaints are on file with the agency, and few well deepening have occurred in the area. The watermaster for Jackson County was contacted and no additional information was reported on this area.

Recommendations: Well is incapable of 56 gpm. Reduce rate to 10 gpm (which is still 3 times the well's true yield) and allow use with condition regarding well interference.

References: GRID WRD database; USGS topographic Brownsboro and Eagle Point quadrangles; Preliminary Geologic Map of the Eagle Point Quad, 0-93-13, Wiley and Smith, 1993