

TO: Water Rights Section

Dec 19, 1996

FROM: Groundwater/Hydrology Section Michael Zwart

Reviewer's Name

SUBJECT: Application G-14418

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) 7J;
 - 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) 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
- 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: * The permit should not allow groundwater production from any shallow unconfined aquifer.

G-14418

(Well Construction Considerations on Reverse Side)

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

INTEROFFICE MEMO

To: FILE

Date: December 19, 1996

From: MICHAEL ZWART

Subject: APPLICATION G-14418, UPPER KLAMATH FARMS

This application proposes to appropriate 5.54 cfs from one proposed well for supplemental irrigation of 443.1 acres. There is no construction information regarding the proposed well in the file. Neither the target aquifer nor the proposed depth are specified. The shallow aquifer in this area appears to be unconfined, developed in sand and gravel to a depth of at least 280 feet, based on nearby well logs. This aquifer is likely in hydraulic connection with nearby surface water sources.

The proposed well location is at a distance of about 100 feet from an unnamed drainage, which may be part of Sevenmile Ditch. Senior surface water rights exist on this drainage, including some of the primary rights for the lands applied for here (see final proof for File 39047, attached). If the proposed well penetrates an unconfined aquifer, there is potential for substantial interference with the drainage.

If the proposed well penetrates a confined or semiconfined aquifer, then there is no potential for substantial interference with the drainage.

I recommend permit conditions 7B and 7J. I also recommend that the proposed well be constructed so as not to produce from the unconfined aquifer.

County: KLAMATH

Quad name & #: _____

REVIEW CHECKLIST

FOR G-~~13~~14418

- Appropriate parts of the stream index
- Estimated number of wells within a one-mile radius & identified types.
- State Observation wells within a five-mile radius.
- Verify that well log is in file. If not provide one. ✓
- List groundwater permits within a five-mile radius with extraordinary conditions.

Number of wells: _____

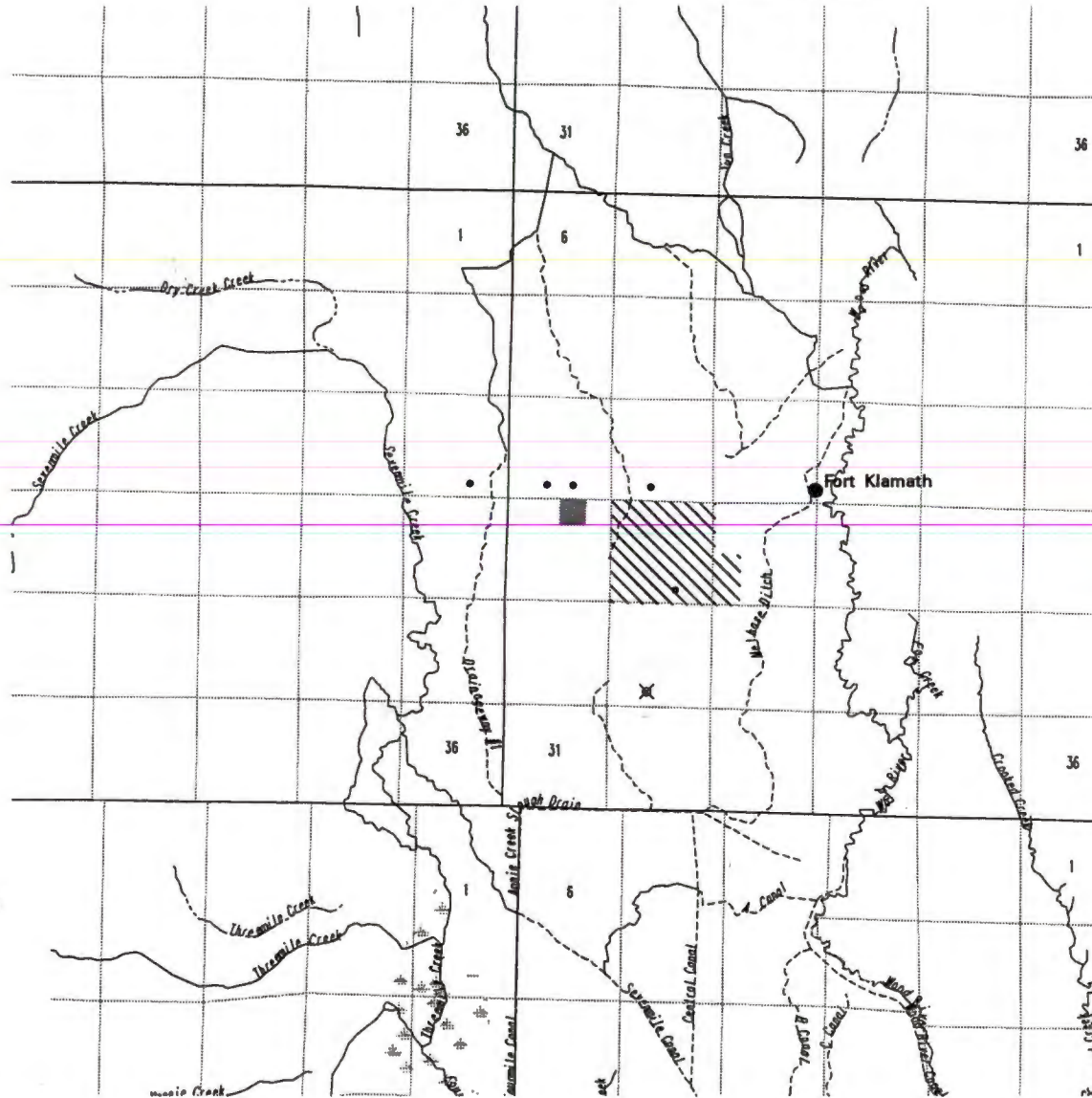
Well location: 335/07.5E/Sec 20

APPLICATIONS WITH PERMIT CONDITIONS:

G-13443

Wells in the vicinity of application G 14418

- Application well(s) in this 1/4-1/4 section
- ◻ Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ✕ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- - - Regulated GW Area



WELLS WITHIN 1 MILE OF G 14418
DO 5

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14418

PERMIT	T/R/S/QQ	USE	RATE	UNITS
G 9481	33.00S 7.50E29SESW	IS	1.9500	C

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ## G-14418

ROUTED TO: Water Rights

TOWNSHIP/

RANGE-SECTION: T33S/R7¹/₂E-79

CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Michael Zwart