

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13693

GW Reviewer Phillip I. Marcy Date Review Completed: 08/24/2021

Summary of Same Source Review:

☐ The proposed change in point of appropriation is not within the same aquifer as per OAR 690-380-2110(2).

Summary of Injury Review:

☐ The proposed transfer will result in another, existing water right not receiving previously available water to which it is legally entitled or result in significant interference with a surface water source as per 690-380-0100(3).

Summary of GW-SW Transfer Similarity Review:

☐ The proposed SW-GW transfer doesn't meet the definition of "similarly" as per OAR 690-380-2130.

This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations.



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Ground Water Review Form:

- ☐ Water Right Transfer
☐ Permit Amendment
☒ GR Modification
☐ Other

Application: T-13693

Applicant Name: Case Family LLC

Proposed Changes: ☐ POA ☒ APOA ☐ SW→GW ☐ RA
☒ USE ☒ POU ☐ OTHER

Reviewer(s): Phillip I. Marcy

Date of Review: 08/24/2021

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 9/18/21

The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- ☐ The water well reports provided with the application do not correspond to the water rights affected by the transfer.
- ☐ The application does not include water well reports or a description of the well construction details sufficient to establish the ground water body developed or proposed to be developed.
- ☐ Other _____

-
1. Basic description of the changes proposed in this transfer: The applicant proposes to move a portion of GR 2289 to irrigated areas, while converting a portion of the existing right to agricultural and industrial use, in addition to adding three existing APOA wells.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: APOA wells (LINN 4614, LINN 4613, and LINN 4619) produce from shallow alluvium, as does authorized POA LINN 4615.
 3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No _____
b) If yes, estimate the portion of the right supplied by each of the sources and describe any limitations that will need to be placed on the proposed change (rate, duty, etc.): NA
 4. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another ground water right**?
☒ Yes ☐ No Comments: Proposed APOA LINN 4614 is significantly closer to nearby well LINN 4606 than the currently authorized POA well. LINN 4606 is the authorized POA under groundwater claim GR-919. The mapped locations of these wells puts them at 115 feet away from one another.
b) If yes, would this proposed change, at its maximum allowed rate of use, likely result in another groundwater right not receiving the water to which it is legally entitled?

☐ Yes ☒ No If yes, explain: Given the fairly low authorized rate for GR-2289 (0.4456 CFS) and the combination of high transmissivity and high storativity of the unconfined alluvial aquifer, anticipated drawdown resulting from pumping at LINN 4614 is minimal at LINN 4606, with a range of scenarios producing less than 3 feet of likely drawdown.

5. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another surface water source**?

☐ Yes ☒ No Comments: The proposed APOA locations do not move the bulk of pumping significantly closer to any surface water source.

b) If yes, at its maximum allowed rate of use, what is the expected change in degree of interference with any **surface water sources** resulting from the proposed change?

Stream: NA ☐ Minimal ☐ Significant

Stream: NA ☐ Minimal ☐ Significant

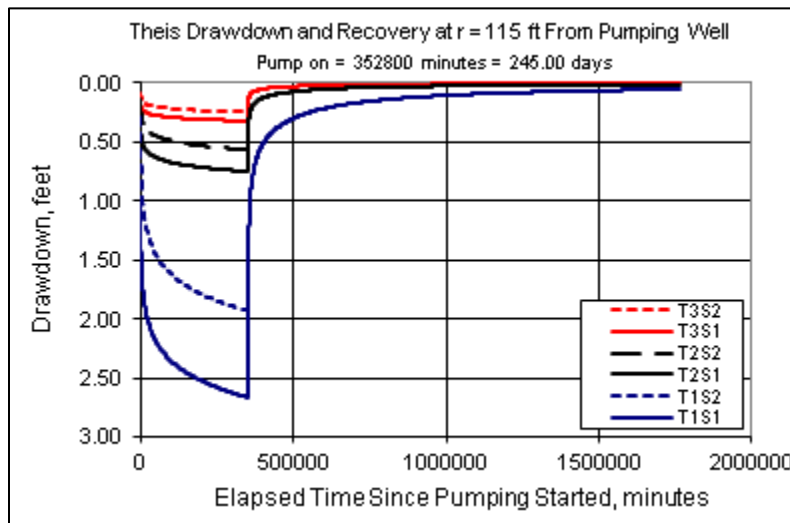
Provide context for minimal/significant impact: There are no perennial surface water sources nearby to either the authorized POA or proposed APOA wells.

6. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?

☐ Yes ☐ No Comments: NA

7. What conditions or other changes in the application are necessary to address any potential issues identified above: None

8. Any additional comments: _____



Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units
Total pumping time	t		245		d
Radial distance from pumped well:	r		115		ft
Pumping rate	Q		0.4456		cfs
Hydraulic conductivity	K	50	200	500	ft/day
Aquifer thickness	b		250		ft
Storativity	S_1		0.01		
	S_2		0.2		
Transmissivity Conversions	T_ft2pd	12500	50000	125000	ft2/day
	T_ft2pm	8.680556	34.72222	86.80556	ft2/min
	T_gpdpt	93500	374000	935000	gpd/ft

