

Memorandum

Date: 1/23/2026
From: Collin Macheel, Staff Engineer
To: Water Right Backfile 63-34504
Subject: Licensing Review of Certified Water Right Examiner Report

Water right permit 63-34504 authorizes 0.20 cfs for irrigation (10-acres), 0.04 cfs for domestic (1-household), and 0.02 cfs for stockwater (10 stock). The field exam for this right was performed by Certified Water Right Examiner Angela Hansen PG (CWRE) and Patrick Kelly PG, on 12/10/2025. The purpose of this memo is to review the recommendations made in the field exam report submitted December 17, 2025.

Ownership:

The water right permit was applied for and issued in the name of Jeff Ransom. No changes to ownership are recommended.

Overlap:

There are no overlapping water rights or active permits at the property.

Point of Diversion and Place of Use:

The POD and POU locations and descriptions are accurate, based on a review of aerial imagery and provided data. A GPS location was provided from the well head. The reported irrigation acreage was verified using 2023 NAIP imagery.

Diversion Rate and Volume:

Irrigation diversion rate was adjusted to the developed acreage. The diversion rate of 0.03 cfs/acre was used since the irrigated acreage of 3.6 acres is less than 5 acres meeting the guidance of Application Processing Memo 17. The extrapolated irrigation diversion rate is 0.11 cfs. Domestic diversion rate for one residence was adopted at 0.04 cfs, per Application Processing Memo 22.

Annual irrigation volumes were calculated based on the field head gate requirement (4.5 afa) and developed acreage (3.6 acres) at 16.2 afa. Domestic volume was adopted from Application Processing Memo 22, for one household where irrigation is separated at 0.6 afa.

A theoretical discharge was calculated based on the "Theoretical Horse Power Equation Worksheet – 92". The assumptions included were reasonable, including a pump efficiency of

67%, based on specifications from the manufacturer. Pumping level was estimated based on a specific capacity developed from reported performance logged on the well construction log. Pump discharge was estimated at 0.15 cfs matching the recommended diversion rate.

Conditions:

No recommendations were made regarding licensing conditions.

X02 will be removed since proof of beneficial use was not submitted for stock.

046 will be removed since well construction has been completed.

26A will be removed since the project construction is complete.

All other conditions will be maintained through licensing.

Conclusion

The CWRE report was thorough and accurate.