

MEMORANDUM

TO: Water Right File 63-12207

FROM: Daniel Nelson – Staff Hydrologist

DATE: August 7, 2014

SUBJECT: Licensing Review of Water Right 63-12207

This field exam was performed by Certified Field Examiner Scott King of SPF Engineering. Mr. King found that 125 acres and limited the diversion rate to 2.06 cfs and 562.5 acre feet of water. Mr. King also found two wells being used, which requires a licensing amendment. I agree with Mr. King's assessment of the number of acres and the wells being used. However, I feel he made a mistake in the calculation of the diversion rate.

Mr. King measured Well # 1 and Well #2 was measured by a previous field examiner. When the two wells are combined, they produce a total capacity of 3.72 cfs. Well #2 supplies water to the property described in this permit and 75 acres described in water right 63-11631. Water right 63-11631 was licensed for 75 acres at a diversion rate of 1.50 cfs.

The full capacity of Well #2 is used when it is diverted to lands described by both rights. Therefore, the full capacity of Well #2 should be considered when determining the flow rate for permit 63-12207. I am recommending a diversion rate of 2.50 cfs for this permit ($0.02 \text{ cfs} \times 125 \text{ acres} = 2.50 \text{ cfs}$), and adding condition X35 that limits the maximum diversion rate to 3.72 cfs, the capacity of both wells, when water rights 63-11631 and 63-12207 are combined.

I removed conditions 26A, 046, and 121. I replaced 121 with condition 103 per standards. I updated condition WB7 to match the licensed acres. The remainder of the conditions were updated and carried forward to licensing.