

MEMORANDUM

Date: December 17, 2012
To: Water Right File 34-7247
From: csaxton

Re: Acreage Calculation

Question: If 34-7247 provides acres not already covered by the other rights, how did we come to the determination that 168.8 acres are what was developed under 34-7247?

Answer: The right was originally permitted for 200 acres. The permit was applied for in 1980 and finally issued in 1999. The place of use permitted for 34-7247 was being irrigated in 1987 despite that the permit had not been granted. The 1987 aerial photography shows irrigation of the 188.8 acres within the permitted place of use. However, 20 acres of the 188.8 is covered by right 34-13841. This leaves 168.8 acres developed under permit 34-7247.

Re: Annual Volume Limit

Question: Should a volume be licensed for 34-7247?

Answer: 34-7247 does add acreage and therefore it would add volume. However, a volume limit will be defined in a combined use limit for the ground water rights. Right 34-7035B contains a combined use limit that limits Rights 34-7035B, 34-2428, and 34-12416 to 3751.6 AF. This is more than what would be allowed at the standard 3.5 af/acre field headgate requirement for 945 acres: $(945 \text{ acres})(3.5 \text{ acre-feet per acre})=3308 \text{ AF}$.

I am not sure why the combined use limit authorizes more volume as there is no explanation in the notes or in the file, however, it could be to account for volume losses in the delivery ditches. In order to prevent adding a limitation to 34-7035B that was not already there, we need to retain the combined use limit of 3751.6 af for all ground water rights 34-2428, 34-7035B, 34-7247, and 34-12416 to 3751.6 AF