

and before the officer designated, the claimant will appear with two of the witnesses named in the notice and make proof of the reclamation, cultivation, and improvement of the land. The testimony of each claimant should be taken separately and apart from and not within the hearing of either of his witnesses, and the testimony of each witness should be taken separately and apart from and not within the hearing of either the applicant or of any other witness, and both the applicant and each of the witnesses should be required to state, in and as a part of the final-proof testimony given by them, that they have given such testimony without any actual knowledge of any statement made in the testimony of either of the others. In every instance where, for any reason whatever, final proof is not submitted within the 4 years prescribed by law, or within the period of an extension granted for submitting such proof, a statement should be filed by claimant, with the proof, explaining the cause of delay.

The final proof may be made before any officer authorized to administer oaths in public land cases, as explained in § 1821.3-2 of this chapter.

(e) *Showing as to irrigation system.* The final proof must show specifically the source and volume of the water supply and how it was acquired and how it is maintained. The number, length, and carrying capacity of all ditches, canals, conduits, and other means to conduct water to and on each of the legal subdivisions must also be shown. The claimant and the witnesses must each state in full all that has been done in the matter of reclamation and improvements of the land, and must answer fully, of their own personal knowledge, all of the questions contained in the final-proof blanks. They must state plainly whether at any time they saw the land effectually irrigated, and the different dates on which they saw it irrigated should be specifically stated.

(f) *Showing as to lands irrigated and reclaimed.* While it is not required that all of the land shall have been actually irrigated at the time final proof is made, it is necessary that the one-eighth portion which is required to be cultivated shall also have been irri-

gated in a manner calculated to produce profitable results, considering the character of the land, the climate, and the kind of crops being grown. (Alonzo B. Cole, 38 L.D. 420.) The cultivation and irrigation of the one-eighth portion of the entire area entered may be had in a body on one legal subdivision or may be distributed over several subdivisions. The final proof must clearly show that all of the permanent main and lateral ditches, canals, conduits, and other means to conduct water necessary for the irrigation of all the irrigable land in the entry have been constructed so that water can be actually applied to the land as soon as it is ready for cultivation. If pumping be relied upon as the means of irrigation, the plant installed for that purpose must be of sufficient capacity to render available enough water for all the irrigable land. If there are any high points or any portions of the land which for any reason it is not practicable to irrigate, the nature, extent, and situation of such areas in each legal subdivision must be fully stated. If less than one-eighth of a smallest legal subdivision is practically susceptible of irrigation from claimant's source of water supply and no portion thereof is used as a necessary part of his irrigation scheme, such subdivision must be relinquished. (43 L.D. 269.)

(g) *Showing as to tillage of land.* As a rule, actual tillage of one-eighth of the land must be shown. It is not sufficient to show only that there has been a marked increase in the growth of grass or that grass sufficient to support stock has been produced on the land as a result of irrigation. If, however, on account of some peculiar climatic or soil conditions, no crops except grass can be successfully produced, or if actual tillage will destroy or injure the productive quality of the soil, the actual production of a crop of hay of merchantable value will be accepted as sufficient compliance with the requirements as to cultivation. (32 L.D. 456.) In such cases, however, the facts must be stated and the extent and value of the crop of hay must be shown, and, as before stated, that same was produced as a result of actual irrigation.

(h) *Showing as to water right.* (1) In every case where the claimant's water