Irrigation
174747-15
M McC

December 28, 1915.

Ganado Project.

Memorandum.

The plan of tentative allotments proposed in the attached letter is believed to be a good one; but in view of the very limited area of the project and the large number of Indians who wish to take lands, it is suggested that great care will be necessary in making such tentative allotments to distribute the benefits equitably and not to allow a few families to absorb all.

The following statistics and facts are given in the Justifications for the Indian Bill for 1917:

Area irrigable from constructed works,	500 acres
Area actually irrigated,	200 "
Area farmed by Indians,	100 "
Area farmed by whites	100 "
Area of whole project,	1,587 "
Cost of construction	$66,466.95
Cost of maintenance,	$1,216.87
Estimated additional cost to complete,	$20,000
Estimated total cost of irrigation per acre	$53
Average value of irrigated lands, per acre,	$100
Average annual precipitation, inches,	12
Source of water supply,	Rio Pueblo Colorado.
Market for produce,	Local, good.
Distance from railroad,	50 miles.

This project was originally planned to irrigate about 700 acres at an expense of $60,000 for its construction During the progress of the work exceptionally heavy storms damaged various features so that together with the cost of additional protection works, the need for which was apparent

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only after these great storms, has made it impossible to entirely complete the project within the amount of the original estimate.

Some Indians, however, are already irrigating land under the portion completed. Their great need of additional irrigable areas and evident desire to take advantage of the opportunity to farm, makes it desirable not only to complete the project but by the expenditure of a few thousand dollars to extend the canal system to land on the other side of the river not at present included within the area of this project.

The total area will eventually be 1587 acres, and consddering the great number of Navajo Indians and the scarcity of even fairly good irrigation projects makes it imperative to make use of every possible acre which may be irrigated.

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