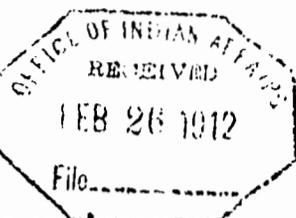


Field
Irrigation
92167-1909
10365-1918
L M H



Canado Reservoir.

FEB 26 1912

The Honorable

The Secretary of the Interior.

Sir:

On October 7, 1910, W. H. Code, Chief Engineer,
in transmitting reports of Consulting Engineer W. H. Sanders
and Superintendent of Irrigation H. P. Robinson, regarding
the proposed Canado Reservoir on the Navajo Reservation in
Arizona, said that further information regarding the flow
of the Rio Pueblo Colorado, and the amount of silt carried
at time of flood, should be obtained.

The Office is now in receipt of a report from H.
F. Robinson, relative to the flow of the stream and the
silt content of the water at various stages. From his re-
port it appears that there is sufficient water flowing down
the stream to fill the reservoir at least fifty times a
year.

As the reservoir site is not located on the river
channel, the water need only be diverted to the reservoir
when the amount of silt carried is at a minimum.

The capacity of the reservoir is 4438 acre-feet,
or sufficient to irrigate 1775 acres if only filled once

FI-92167-2

each season; which area could be greatly increased if water is available for filling the reservoir more than once during the irrigation season.

The estimated cost of the project, for the construction of the reservoir and distributing system for the irrigation of 1775 acres of land is \$60,034.03, itemized as follows:

Diversion Works:	
Crib dam, paving, headgate and diversion canal,	\$8,713.62
Reservoir:	
Dike, outlet, and wasteway,	28,641.10
Engineering and Contingencies, 20%	<u>7,470.94</u>
Total cost for storage,	\$44,825.66
Distributing System:	
Engineering and Contingencies, 20%	1,968.06
Extensions not actually surveyed, estimated,	<u>3,400.00</u>
	\$60,034.03

The act of April 4, 1910 (36 Stat. L., 269), provides---

* * * and hereafter no new irrigation project on any Indian reservation, allotments or lands, shall be undertaken until it shall have been estimated for and a maximum limit of cost ascertained from surveys, plans and reports submitted by the chief irrigation engineer in the Indian Service and approved by the Commissioner of Indian Affairs and the Secretary of the Interior, and such limit of cost shall in no case be exceeded without express authorization of Congress.

FI-92167-3

The Office approves the plans and estimates submitted by the Chief Engineer, and recommends that if the same meets with your approval Congress be requested to appropriate \$60,100 for the construction of the project, limiting the cost to that amount, of \$35,000 to be made available during the next fiscal year.

Respectfully,

(Signed) R. G. Valentine.

Commissioner.

2-McC-3

FEB 24 1912

Approved:

(Signed) [unclear]

1st Asst Secretary.