

DEPARTMENT OF THE INTERIOR.
U. S. Indian Irrigation Service.
District No. 5.

PROJECT SUMMARY?

November 24, 1912

* * * * *
Place or project Moencopi Wash, near Tuba
Reservation Western Navajo State Arizona
County Cocconino Railroads on or near A.T. & S.P.
Railroad Stations Flagstaff, about 80 miles
Av. Elevation, project 4500 Av. el. watershed 5800
Av. Rainfall, project 6 in. Range of temp. -5 to plus 100
Source water supply Moencopi Wash
Area drainage basin 2000 sq. mi. Annual runoff est. 1,000,000.

WORK DONE AND RESULTS:

Work at this place has been done both in the Moencopi Wash and in Reservoir Canon. Reservoir Canon impounds the water of a number of springs, which return to lands of the Hopi Indians at Moencopi Village, where they have under irrigation between 500 and 600 acres.

Under the Moencopi Wash project there are some 600 acres of land. Great trouble was found in diverting water from the stream and several different dams have been put in, some by the Agency forces and three by the Irrigation Service. The first a rock a brush dam, went out with the first flood. The stream bed was retrograding very fast and in order to get a favorable place for another dam, the head section was extended about 1800 feet upstream. Masonry gates were placed, and a dam built across the river, partly of masonry and partly of concrete, which was damaged by an intense flood which went over the head gates, thirty feet above the dam crest. The dam was then built of concrete and has proven absolutely safe. 200 acres of this land is school farm; the balance Indian.

Expenditures including amounts in Pub. Doc. 1268, June 30 1914.

Total amount expended to June 30, 19 \$4517.59
Deduct for maintenance and operation, \$
Net project costs, \$

F. W. 1980