

Project No.

REPORT ON PLANS AND ESTIMATES FOR CONSTRUCTION PROJECTS

INDIAN IRRIGATION SERVICE

Agency: Hopi Reservation; Wapo Gardens Unit
State: Ariz. County: Navajo Nearest town or city: Polacca
Stream: Wapo Spring 4 Miles from Polacca (town or city)

- 1. Kind of project: a. Irrigation system, b. Flood control, c. Storage, d. Water development, e. Land development
2. Purpose of project: a. Subsistence gardens, b. General farming, c. Pasture, d. Stockwater, e. Domestic water

3. Description and character of work: (Use reverse side of sheet)

- 4. Status of project: a. Date begun?, b. Percent completed, c. Cost to June 30, 1942, d. Time req. to comp., e. Est. cost to comp.
5. Status of plans and investigations: a. Surveys, b. Investigations, c. Sketch Plans, d. Detail Plans, e. Specifications, f. Time required to comp., g. Est. cost to comp.

6. Status of land sites: a. Acquired; Negotiations completed? Negotiations pending?

- 7. Labor required in mandays: a. Common, b. Semi-skilled, c. Skilled, d. Tech. and Clerical, e. Supervisory, f. Av. daily employment, g. Est. cost of labor
8. Materials required: a. Cement, b. Lumber, c. Steel, d. Pipe, e. Estimated cost

9. Quantities involved: a. Embankment, b. Excavation, c. Lineal feet of pipe, Kind, Sizes

10. a. If irrigation project, state number of acres, b. If storage project, state capacity in acre feet, c. If land development, state number of acres

11. Total estimated cost of this unit. \$ 3,500

Date submitted June 30 1943 Submitted by HERBERT V. CLOTTIS Asst. Director of Irrigation

Project No. 43-8

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Wepo Gardens is an old Indian project and consists of a spring issuing from the escarpment about 300' above the wash. The flow is about 20 g.p.m. Two small masonry storage reservoirs, with a capacity of 15,000 gal., serve about 4 acres of terraced gardens, used by 12 families.

Proposed work consists of construction of a masonry storage reservoir of 100,000 gal. capacity and a 2" galv. pipe distribution system to utilize the full flow of the spring, increasing the area to 8 acres and subjugation of the

\$ 3,400

Possibly cooperative assistance of the Indians would make the project more feasible.