

March 30, 1940

Irrigation

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
OFFICE OF INDIAN AFFAIRS  
FIELD SERVICE  
Hopi Indian Agency  
Keams Canyon, Arizona



File 6  
9056 M  
WOLF

March 30, 1940

Commissioner of Indian Affairs  
Washington, D. C.

Attention: Mr. A. L. Wathen,  
Director of Irrigation

Dear Sir:

We are submitting herewith the following Irrigation reports for the month of February, 1940:

- Narrative Report
- Project Monthly Cost Report
- Project Monthly Summary Cost Report
- Balance Sheet
- Project Allotment Statement
- Trial Balance

Sincerely yours,

*Seth Wilson*  
Seth Wilson,  
Superintendent

rm  
enc.

Copies:  
Indian Office  
Mr. Clotts  
Mr. Westerman  
Agency File

RG 75, BIA, CCF  
9056-1936-341, Part <sup>M</sup>(3 of 3)  
Hopi  
Box 20

#3

Month of February 1940.

### NARRATIVE REPORT

#### GENERAL ENGINEERING AND OFFICE ACTIVITIES

Some prospecting was done for materials suitable for the lining of the canals at the Jeddito project. Tests were made with samples gathered and it was found that with the use of some material close at hand the canals may be made 90% impervious.

#### WEATHER CONDITIONS.

Light snows fell the first and middle of the month followed by slow rains, possibly 1-1/2 inches of moisture entered the ground.

#### WATER SUPPLY

A small head of water from melting snow was in the Polacca Wash 6 hours, in the Wepo Wash 24 hours, and in the Oraibi Wash 36 hours.

#### FARM ACTIVITIES

Irrigation of land is going on at the Phillips Farms by pumping. The Indians are taking to the project very eagerly and are showing a very favorably interest.

Water is being placed on the Jeddito Farms each week that it comes their turn.

#### INDIAN EMPLOYMENT.

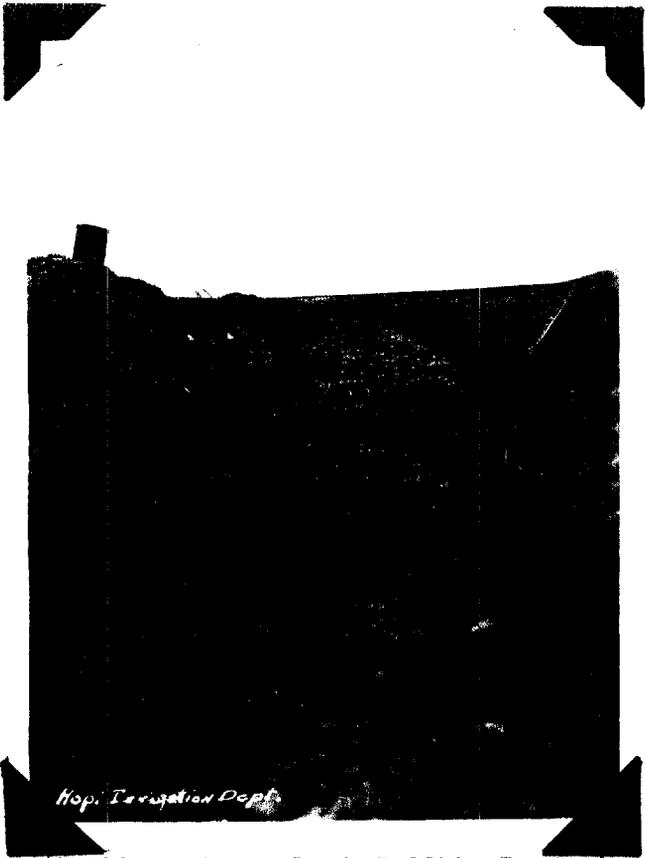
Eleven Indians worked 94 man days and received \$319.80 in wages.

We discussed, to some length, the Jeddito Project in our January narrative. We have made a request, and are waiting for permission to transfer funds from the Wepo Project to the Jeddito for the purpose of rebuilding and lining the canals. On another page are pictures of sections of the canals showing conditions before and after they have been rebuilt.

#### WORK PROPOSED NEXT MONTH

**Jeddito Project:** Rebuild and line the canals. The fence will be constructed around the project by the CCC-ID; setting out trees and sowing grass seed to carry out the wind erosion program will be done by the Soil Conservation Service and the CCC-ID.

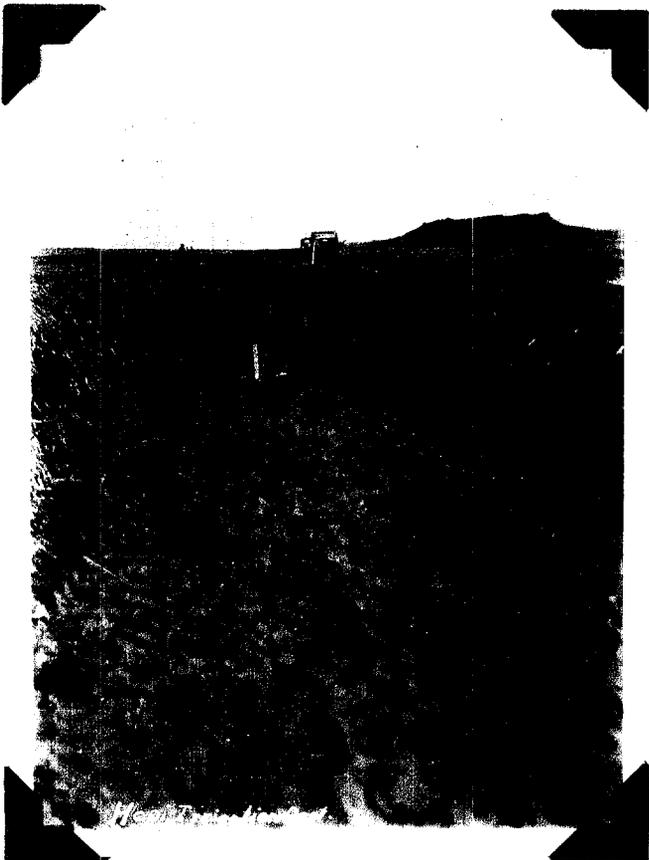
**Phillips Farms:** The Indians will irrigate the land that has been leveled and bedded. Our equipment will continue with the working of the land that has yet to be subjugated.



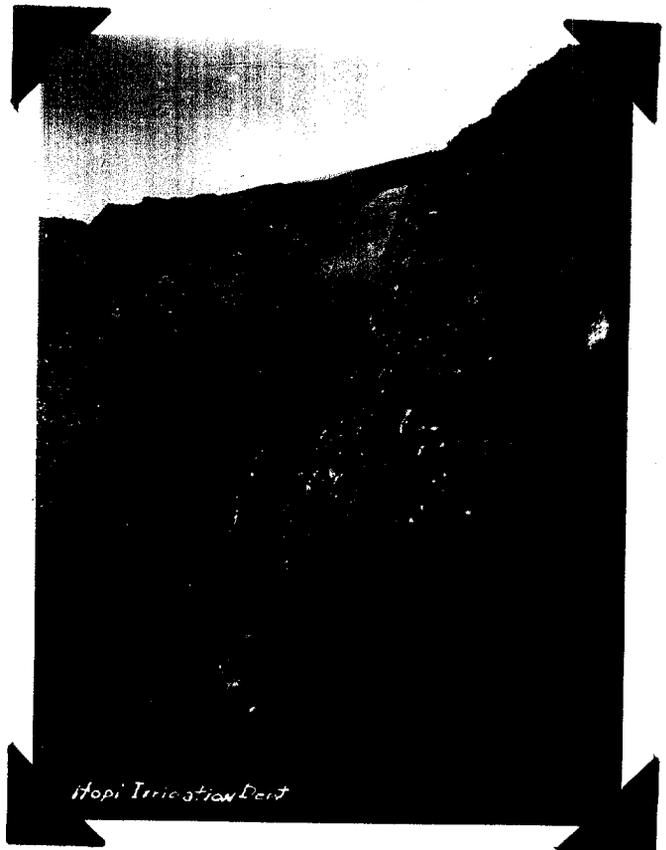
Section of canal at Jeddito Project showing condition of canal by sluffing of banks. Bottom is raised seven tenths above grade.



Same section, after lining, as the one on the left only a little further down stream. After completed the canal was filled with water and held over night. Note water line on bank.



This canal was originally built to a four foot bottom. As shown it is more than eight feet wide 8" above grade.



Same view after rebuilding and lining as the one on the left. Note rippling in water where lining stops.