

October 18, 1933

DEPARTMENT OF THE INTERIOR

OFFICE OF INDIAN AFFAIRS

IRRIGATION SERVICE
District No. 5
Albuquerque, N. M.

October 18, 1933.



Commissioner of Indian Affairs,
Washington, D. C.

Sir:

With reference to Office Letter Irrigation 42730-33 of October 7, 1933 per-
taining to the water supply for the schools at Hotevilla and Chimopovy on
the Hopi reservation, there is submitted the following report from General
Foreman A. H. Womack regarding this situation:

It will be noted in both cases that the schools have actually outgrown the
water supplies and the water available has been fully developed. The source
of water supply for these springs is the rainfall or other precipitation
on the mesa lands of the Hopi country and in both these cases these table
lands or mesas are very narrow and have a very small area and the only way
water can get to these springs is through rainfall on top of these mesas
seeping down through the sandstone until a layer of impervious shale is
encountered which naturally results in a small spring. On account of the
pervious area, or area in which the water enters, being so small and so
near the spring the water supply is more or less subject to fluctuations
of rainfall or precipitation and it therefore can be readily seen that
during long dry periods the result is likely to show distinctly in the
flow of the springs. It is therefore essential that other sources of
water supply be developed, which at Chimopovy is the drilling of the
deep well and at Hotevilla, installation of pumping equipment and pipe
lines to obtain the water from the lower spring.

Very truly yours,

H. C. Neuffer
H. C. Neuffer,
supervising engineer.

HCN:JEM
ENC. (1)

cc to Mr. Womack

RG 75, BIA, CCF
42730-1933-424
. Hopi

