

DEPARTMENT OF THE INTERIOR
U. S. INDIAN IRRIGATION SERVICE

MONTHLY
REPORT

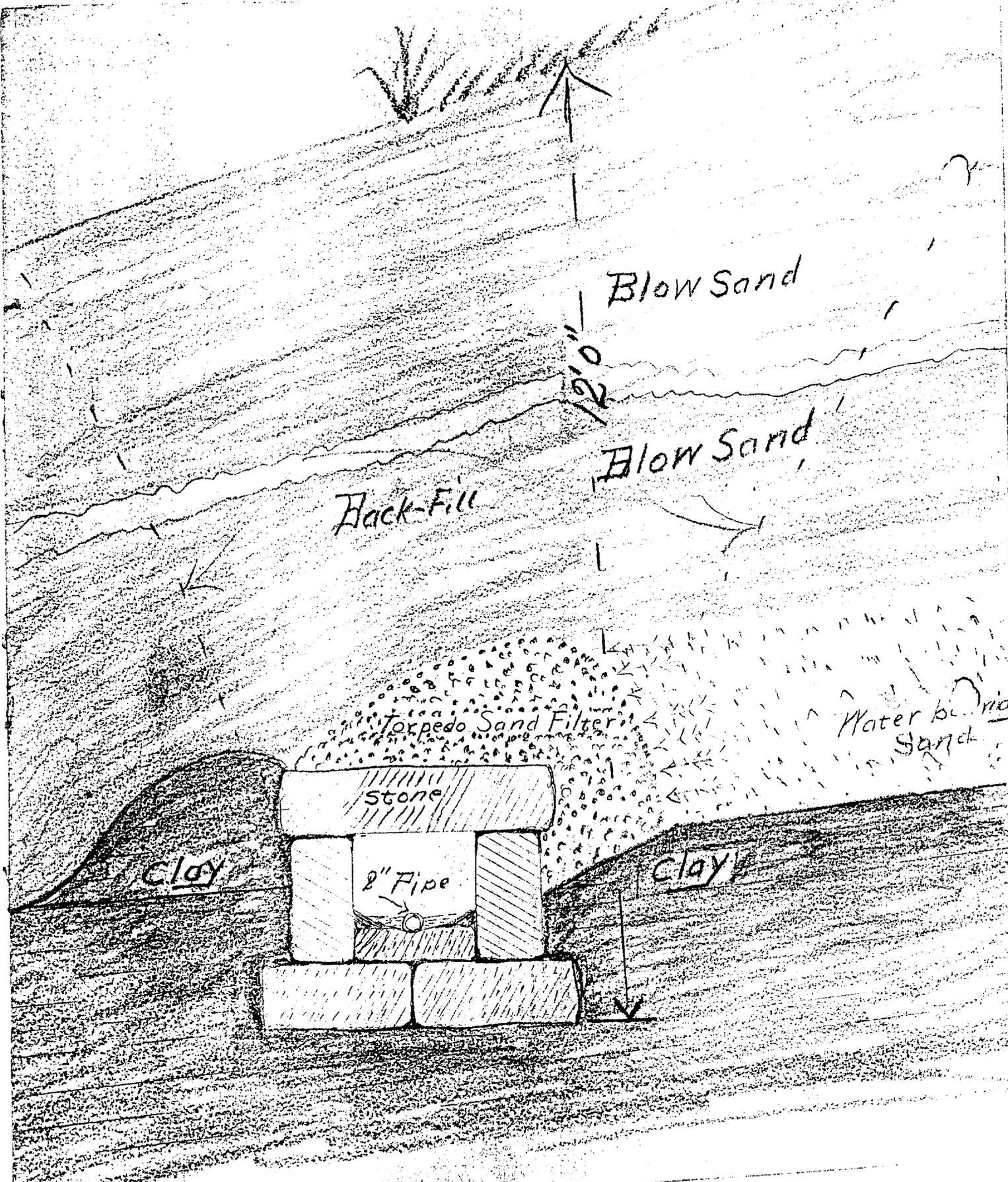
March 1916

1916.

H. H. Johnson
SUPERINTENDENT OF IRRIGATION



CORNER SPRING
 FROM 15 Gal Per Hr

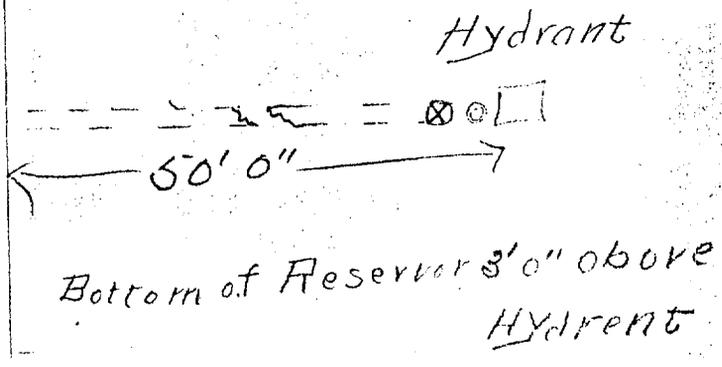
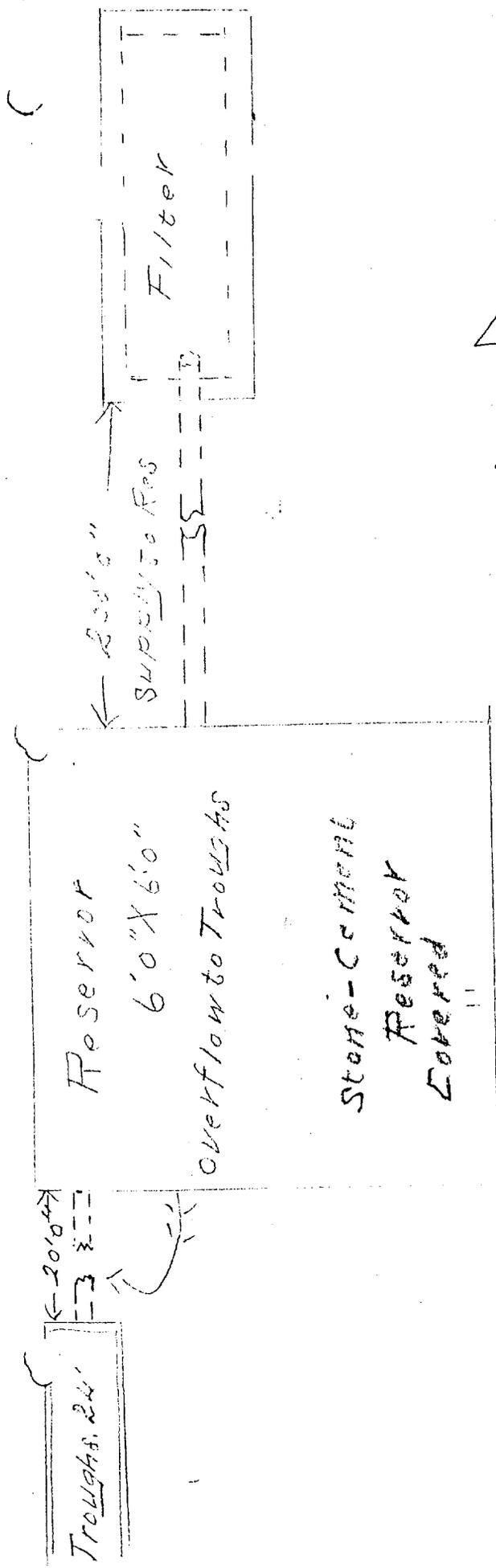


Honana Spring. Scale 1" to 1'

Crosssection

Flow 16 Gal F.Hr

Ground Plan of Honama Spring
17 miles South of
Flores, Ariz.



Polacca, Ariz.

Mar, 19, 1916.

Mr. H. F. Robinson.

Superintendent of Irrigation

A L B U E R Q U E,

N e w M e x i c o.

Dear Sir;-

I herewith report the condition of the springs on the south-East side of Blackmountain as I found them, during my recent trip to the following, springs,

CHILL-CHI-VI-TO. Spring, is located on the north side of Blackmountain near Bradleys Trading Store and is formed by the water seeping out of soft sand-stone for a distance of a few hundred feet, And as this Spring is located in the head of a canyon and the flood water comes down and would carry everything away, it would be hard to do anything with it, without a unreasonable expenditure of money, the Indians have about the best plan of saving this water in use now, and that is to throw small dams across this narrow canyon and when the floods come and take it away they rebuild it, if we dam this canyon to serve as a reservoir the first flood comes will fill it with silt as the fall is very rapid,

Estimated flow of 25 Gal Per Hour

LU-KA-SA-CAD. SPRING is located in the foot hills of blackmountain 3 miles East of Coyote Spring and is up in the head of a Stone gulch and is as well developed as can be done, and as it would take a long line of pipe

Handwritten signature

and a big expence to protect the pipe as it would be down in the wash, they have a goon little reservor on the solid rock and can enlarge it anytime by a little dirt work, and as the stock can get to this water as it it is I think the money can be spent where it will do m many times the good,

M A I T O Spring, is located three ^{maps} miles west of Lu-ka-sa- cad, and is in another Box canyon where it is next to impossable to do it any good without a unreasonable amount of work and expence,

TES-CHIZE, Spring is located ^{maps} on the east side of Blackmountain near Stages Trading Store, in the head of a shott canyon and was formed by the water poreing off the rimrock cutting athrough the sandstone, which forms a seep this spring has a dirt reservor and will supply all the stock that will come to it as it is, and after the well in the valley is completed there will be less stock, water here, Estimated flow 25 Gal P.Hour.

TOLA-CON Spring is located two miles north ✓ of Chil-Chiv-i-to and is good water, and can be developed and the flow increased as it is located in a side canyon where the flood water does not prevent the laying of pipe and troughs, Estimated Flow, 15 Gal p. Hour

I hope to show you the springs along this mountain when you come out on your next trip, We should have more material, in the way of Pipe, Troughs, and Cement, before we comence work over in this country as all of the supplies are almost a hundred miles from this Country

(3)

as you are coming soon, I am anxious to have you see t
this country and to have some instructions after you
have looked the country over, this country is a big
one and there is but one way to develop it and that is
by drilling wells some distance from the Mountain, the
springs will water the country near the mountain and
the wells will serve to water the valley several miles
out in the grazing district,

Very Respectfully,

Alexander H. Hornsby

Polacca, Ariz.

Mar, 31, 1916.

Mr. H. F. Robinson.
Superintendent of Irrigation

A L B U Q U E R Q U E,
N e w M e x i c o.

Dear Sir;-

I herewith submit my report for the month of March, 1916. As follows, Layed stone-cement foundations for three tanks, which required hauling stone, sand, also the tanks and Troughs from chinlee, Ariz. also set the Tanks and troughs, Viseted all the wells on the Navajo Reservation, and done repairs to the windmills, Tanks and Troughs, where nessary,

On the Moqui Reservation we Excuvated a spring about six miles east of First Mesa, quarryed and hauled Stone, Layed up wall around same to forme a reservor 6X20'X5' Piped the three springs in to this catch basin then piped the water to troughs for Stock water, Also protected it by laying a wall above same to shunt the Flood-water off, I will m ake a sketch showing the arangement of same at once,

We also repaired the wells on this (Moqui) reservation

Very Respectfully,

Alexander H. Hornack