

Monthly Report.
November 1912.

Albuquerque, N. M., December 10, 1912.

The Chief Engineer,
U. S. Indian Irrigation Service,
Washington, D. C.

Sir:

I herewith submit my monthly report for November 1912.

PERSONAL MOVEMENTS. During the month there were five holidays, the 2d, day of funeral of the Vice President, the 5th general election day and the 28th, Thanksgiving day. I was in the office the first 12 days of the month. From the 13th to the 17th inclusive I visited Laguna, and San Ildefonso Pueblos and on the 27th the Pueblos of San Dia, Santa Ana and San Felipe. The balance of the month was in the office.

GENERAL CONDITIONS. Cold weather was experienced over most of the work together with considerable windy weather. At Ignacio several snow storms occurred; at Hogback freezing weather every night after the middle of the month, and at Zuni it was still colder. There has been some trouble in getting men to work on account of late harvesting, the harvest dances and similar celebrations at various places and the increasing cold weather.

NAVAJO. Hogback Canal. (San Juan). During the month a small force, averaging two teams and six men were at work on the head section, excavating for the wasteway structure, placing concrete in the foundation of the lower cutoff wall, excavating silt and

SAN ILDEFONSO PUEBLO. Work on developing underground water supply and erecting a small pumping plant at this Pueblo was commenced, and a test well was put down, and before sinking another, a test was to be made on the amount of water supplied by this well. The centrifugal pump was set up, and the gasoline engine placed, all temporarily, but just as the engine was started the hub of the fly wheel broke, necessitating shutting down the plant until a new fly wheel could be secured.

As the water raised to within 2.4 feet of the surface of the ground, it is thought that perhaps a flowing well may be developed, as there is plenty of slope to the ground which will allow for lowering the ditch head below the present water surface.

ISLETA PUEBLO. Work has been started in putting in a new heading and headgate for the south side ditch belonging to this Pueblo. The old head which has been maintained for a hundred years, perhaps, this being one of the old Indian ditches, was in a sand bar in the river, and after every period of high water, and new head had to be constructed, and sudden raises in the river, there being no headgate, often did much damage to the ditch.

SPRING DEVELOPMENT, NAVAJO AND HOPI.

Mr. Womack, who has charge of the Spring Development, also erects the tanks at the various wells, and looks after the maintenance of the windmills and wells on the Moki or Hopi Reservation.

During November he finished up the work at Comar Spring, and moved to a small spring known as "Tommy's Spring" which was cleaned and put in shape. He then moved to Well No. 9 and ripped around

Palacca Army

Nov 5 1913

Mr H. S. Robinson

Superintendent of Irrigation

Albuquerque

New Mex

Sir Following is a Report of work
done during the end of October

We excavated and walled up part in
Pipe Set troughs etc at Toloni Springs

These Springs then developed a
good flow of water. Also at
the Spring north of them also the
Pond at Oraibi developed two
Springs in corner canyon which
is east of Malipi and S.W. of
Krom canyon about 6 miles.

also made a Road down in the
Canyon so cattle could get to a
large flow of water this water
stands in big pools and by
removing the boulders gives cattle
a passage to the water before it

Dunks in the Pond, We have
also done the Blacksmithery
making Troughs also fitted up and
connections for Mills Proprietary to
take the place of Pump-Head
aside from this we have hauled Rock
and Ripraped around troughs and other
minor Repairs we have a good
Supply of troughs and other things
for future use

Very Respectfully

Abner S. Hornack

Palacca Ariz

Dec 4 - 1912

Mr H. F. Robinson

Superintendent of Irrigation

Albuquerque

New Mex

Sir Following is a report of work done during the mo of November
Finished up at "Korners" Spring and moved to Tomm's Spring located 1 mile south of Mud-mill No 10 cleaned and repaired same and moved to Mill No 9 and repaired around troughs, moved to Mill ^{No} 203 and repaired around troughs also put up new railing over troughs, moved to River Spring which is located two miles up a side canyon leading from First-Sassa-Wash near Mill 2031 This Spring was excavated so to form a Reservoir by building stone-walls and piped out to troughs with 6th foot pipe had to be a place cleaned off and large Rocks removed so the Herds could gather around the troughs

After having this spring complete
we put in foundations for the new
short brattal tanks.

I have been doing the General Repairs
also blacksmithing making troughs and
finding Sam out as we have the Indians
come for them, I am making a
Frame so I can put it on a wagon
and send the tanks out to the different
Vills by Indians, Gratis.

Very Respectfully

John Anderson & Son

P.S. I am sorting tanks together and
will solder them after my Soldering Iron
arrives. There is no connection for tanks
so I ask Mr. Crevath to give you
a list of what I will want
I have a complete set of tools for making the
tanks.

F.W.

Palacca Piny

Nov 24 - 1912

Mr J. F. Roberson

Superintendent of Irrigation
Albuquerque
New Mex

Sir Following is a report of work done
during the week ending Nov 24th
Finished excavating, stalling up and
setting troughs at Spring (No. 10) ^{6 miles} north
of Palacca moved to Valley South of Palacca
where we are building foundations for Iron
tanks at Windmills, Blacksmithing and
General Repairs, sending troughs to
different places. I just rec'd word that
some of the tanks have arrived in
Canyon I will send after them at once
and erect.

Very Respectfully
C. S. Fisher & Son, Inc.