

Monthly Report.
October 1912

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Albuquerque, N. M., November 9, 1912.

W. K. Reed, Chief Engineer,

Washington, D. C.

Dear Sir:

I herewith submit my report for the month of October 1912.

PERSONAL MOVEMENTS.

October 1st to 3d was in office and left on the 4th visiting Blackrock (the Zuni project) and returned to Albuquerque on the 8th. In the office until the 13th when I left for San Ildefonso, returning the 14th, and left again on the 18th and visited the work at Ignacio Colorado, and at the Hogback Canal (San Juan Project) and stopped off at Dulce H. M. to report on developing water on the Jicarilla Reservation. Returning, I arrived at Albuquerque the night of the 28th, and was in the office one day when I drove to the Santa Ana reservation and returned the night of the 30th.

ZUNI IRRIGATION PROJECT.

Weather conditions were generally favorable though some few days were lost on account of storms.

Rains during the early part of the month raised the level of the reservoir from 20.0 to 21.5, the height at the end of the month being 21.7, a total runoff for the month of 380 acre feet.

The Cut-off wall and the puddled backfill were finished from about Sta. 5+25 to the end at Sta. 7+01 to the final elevation (1002.5). The two derricks were moved and are now in position to place the wall in

wise get the land under cultivation.

I believe that it would be well for the Indian Office to take this matter up soon, and provide for the allotment of this land or some other method of having it settled up. I understand that it has been proposed that a considerable part of the area under this canal be reserved for returned students to give them a good start and prevent them drifting back into the old ways of the tribe.

PUEBLOS.

San Ildefonso. Material for the test well to supply these Indian with irrigation water has been ordered, and the pump and engine are already on the ground, and a thorough test of the possibilities will be made as rapidly as possible.

Santa Ana, Sandia and San Felipe. The survey of the lands of these Indians for the purpose of determining what can be done to drain the low land and protect it against overflow of the Rio Grande is progressing, and the field work should be completed during November.

WELL DRILLING. Pueblos. Rig No. 5.

Work has been commenced drilling wells for domestic purposes for the Pueblo Indians, and a well is being sunk at the Sanatorium at Lagune, and the reports indicate that good water will probably be struck.

Navajo and Moki.

Rig No. 1. This is the large rig at Poans Canyon which is drilling the deep hole for artesian water. The new string of tools necessary to continue this well was ordered early in October, but had not been delivered yet. In the mean time the rig is being overhauled and other necessary work

is being done by the drill crew.

Rig No. 2. This rig has been working some ten miles south of the Hopi Kasas, and during the month has put down two wells, Nos. 228 and 229. The former was 90 feet deep, and only a little water was developed, not sufficient to install a pump, and the other one was 100 feet deep and no water was struck. As there is good feed in this section, and no water it is important to find water if possible, and another trial will be made about the center of the valley.

Rig No. 3. This rig is on the Navajo Reservation, between Ganado and Keams Canyon. Well 319 was put down between these points, about 2 miles east of Steamboat Canyon, was 175 feet deep, but the driller reports that while some water was developed, the depth to the water surface was 95 feet, and the quantity was too small to justify putting in a pump and wind mill. Windrills were erected at wells 316 and 315.

Rig No 4. This rig is in the Chin Lee Wash between Ganado and Chin Lee. Well No. 412 was finished which had a discharge of 360 gallons per hour, with a depth of 33 feet. The rig was then moved to a new point and another well commenced.

SPRING DEVELOPMENT.

A group of four springs about 4 or 5 miles west of Oraibi have been put in shape, cleaned out, walled up and the water piped out to troughs during the month, and the outfit has now been moved to some springs southwest of Keams Canyon where it is proposed to develop all of the cluster, and it is thought that sufficient water can be developed to enable the irrigation of a few truck patches.

Cost data sheets, maps, progress profile and photographs are hereto annexed as a part of this report.

Very truly,

A handwritten signature in cursive script, appearing to read "H. J. Robinson". The signature is written in dark ink and is positioned above a horizontal line.

Superintendent of Irrigation.

Colusa Calif

Oct 7 1912

Mr H. F. Robinson

Superintendent of Irrigation
Albany Oregon

Madison

Sir The work during the week ending
Oct 6 was as follows, moving to Colony Spring
and excavating preparatory to making up and
putting in pipe to get water out to a point
away from the Wash. We have a good flow
now, will require about 200 ft pipe and
Troughs. Very Respectfully
Alexander H. H. H. H.

8750

12.
22.15
38.15
5
43.15

Palacio Ariz

Oct 13-1912

Mr H. F. Robinson

Superintendent of Irrigation
Albuquerque

New Mex

Dear Sir Work done during the past
Week was as follows Excavating
Hauling Rock etc at Tolomei Spring
about 5 miles west of Oraibi I was
there a part of the time, and worked
in Shop making troughs We will finish
this Spring, I think by the last of
next Week then the plan is to try to
develop one or two near the Village
(Oraibi) If We can do anything at
Oraibi in the way of developing domestic
Water we will lower the Mesa's Well Supply
with wholesome water, I have little hope
of doing much with the Springs near the
Mesa I want to get you to make a trip
to Oraibi and decide on some way of
doing something for the betterment of

the conditions your Service has and it
for doing everything in the way of Water
at all the other mess's and I would like
to see you, arrange some kind of a plan
at the proposed well so it would encourage
building of the mess, or you must visit
We will have all done at that place
that we can do, until you have given
us a plan to work on, and some directions
as to what you want us to do at the new
mess.

The mess man is O.K.
as far as I can see which is encouraging

Very Respectfully
Alexander H. Hornack

Palace Arroyo

Oct 28-1912

Mr H. F. Robinson

Superintendent of Irrigation
Albuquerque
New Mex

Sir. Last week ending Oct 27.
We finished a group of 4 Springs five
miles West of Otaiibi and cleaned
them around the mesa and moved
to Pepsii Spring, S.W. of Korns canyon,
this is a place that ~~has~~ ^{has} considerable
Water, and if possible to collect
it in our flow I think they may
Irrigate some Truck-patches

The above work is the New Work
We have made Repairs, such as
Riprap around Troughs and Ground
Repairs also made some new
Troughs, I am anxious to
Have you arrange to look over the
Work which will take only a few days
Very Respectfully Alexander H. Jones