

Monthly Report.  
May 1913.

Albuquerque, N. M., June 18, 1913.

Mr. W. M. Reed, Chief Engineer,

Washington, D. C.

Sir:

I herewith submit my report for the month of May 1913.

PERSONAL MOVEMENTS.

From the 1st to the 7th inclusive was in the field visitin work at Ganado, Keams Canyon, Polacca and the Hopi Country, and Casa Blanca.

8th to the 10th in office on routine business. On the 11th left for Washington, and was on duty in the Indian Office during the balance of the month.

NAVAJO. Hogback Canal.

During the month the work was continued with a small force of men, largely owing to the fact that the Indians were largely engaged in planting, shearing and caring for their flocks.

Some work was done on No. 1 flume, and an automatic spillway was installed at Station 149 just below where large quantities of water enter the canal from side drainage whenever there is a local storm, and from which considerable damage has been done to the canal in the past. This will be a favorable place to test out the spillway and determine its efficiency and value.

The upper section is pretty well cleaned of the deposits caused by mddy water and cross drainage during storms and floods, advantage having been taken of the stage of the river to run a large head of

On account of shortage of funds this rig was laid off about the middle of the month.

Rig No. 5. Well No 510 at Paraje was completed. This well is 41 feet deep and developed more than the capacity of the pump which was 350 gallons per hour. The well was equipped with pump, windmill and a 7'x8' steel tank set on stone foundation.

The outfit has been moved to Casa Blanca and well No 511 started, but not completed at the end of the month.

#### MOXI SPRING DEVELOPMENT.

During the month work has been principally in developing small springs along the north line of the Moki reservation, in making troughs and miscellaneous repair work. The foreman reports that he has been so constantly in the field that he has not had time to prepare a report showing the detail of the work done, but will have it in in time for next month's report.

#### CHANGES AND OFFICE.

Rodman Merle Cain who has been stationed at Ignacio was promoted to take the position of Instrument Man made vacant by the resignation of H. P. Warner. Rodman Hunter who had been with Williard on the Southern Ute Diminished Reservation was transferred to Ignacio, and the vacancy caused has not been filled.

Assistant Engineer Sears has been in the Office during the month on miscellaneous map work and estimates.

Cost data sheets of all the work are hereto annexed.

Very respectfully,

*R. J. Robinson*  
Superintendent of Irrigation.