Report for August, 1910.

August, 1910

Albuquerque, N. M., September 10, 1910.

Mr. W. H. Code, Chief Engineer,
522 Bumiller Building,
Los Angeles, Cal.

Dear Sir:

Herewith is my report for the month of August 1910.

Personal movements. August 1st I was at Ignacio, and on the 2d at Dulce, and then proceeded to Albuquerque, arriving on the night of the 5th. I was in the office until noon of the 10th when I left, proceeding to Canado, and from there to Blackrock, and returned to the office on the morning of the 19th. Under orders from the Chief Engineer, I left for Los Angeles for consultation on Sunday the 23d. During the week I was in the office of the Chief Engineer, and left on Sunday the 28th for the Hogback Camp, going via the northern route as being quicker. I arrived at Farmington late the night of the 31st and proceeded to camp the next day. Distance travelled during the month on government business, 5520 miles.

Changes in force. The only changes in the regular force was the arrival of Mr. Percival H. Churchill, who has been appointed from the Indian Office as Assistant Engineer, to fill the vacant position existing.

Work. In the matter of the appeal from the Territorial Engineer to the Board of Water Commissioners regarding the water for the Taos Indians, which had been set for August 22, the hearing was postponed for 30 days.

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The moving and repairs to the camp buildings have been practically finished. The hoisting engine has been housed and minor repairs made.

The disposal of the rock spoil from the trench is a serious problem which has been partly solved by using it to fill all of the sink holes in the old spillway, placing the rock carefully. This dry work will extend to within one foot of the grade of the finished spillway.

Well drilling. Search has been continued in the Oraibi Wash during the month, with no result, other than a negative one, until the 31st. At one point water was found, but the quality was so bak that it was unfit for use. A sample of this water will be sent for analyses. At the most favorable place in the wash drilling has been continued to a depth of 107 feet without result, but we will put the hole some deeper, or until satisfied that no water will be encountered.

Test holes have been put down every few miles from "the lakes" to Big Burro Springs with the result noted. Mr. Hallstrom gives it as his opinion that the entire valley has been filled up with fine material, wind deposited mainly, and that it is so fine that the water will not percolate through it, and that this condition will continue until a point is reached near Oraibi. This opinion was further confirmed by a hole put down on the 31st about 5 miles south of Oraibi in which water was struck at 53 feet in quantities sufficient for boiler and other uses while sinking an 8" well. He states that there seems to be a free flow through gravel of good water which is

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