56. Asst. Adjt. General
Dept. of Arizona
Whipple Bks.
Prescott, A.T.

Sir:

I have the honor to transmit herewith the following Return and Reports for May 1881.

Return of Post
Special Report of Prisoners
Report of Beef

Very respectfully
Your Obdt. Servt.
[illegible]
Capt. [illegible]
Comdg. [illegible]

Camp Huachuca A.T.
[illegible] 88

57 Assistant Adjutant General
Department of Arizona
Whipple Barracks

In compliance with instructions contained in [illegible] of June 8th. I have the honor to report that a rough survey has been made of the Huachuca Reservation by Lieut. Bailey, as recommended by Lieut. Palfrey. The lines of the reservation have plainly marked, by posts painted & letters

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upon all the roads leading into it, and settlers and squatters in Tanners Cañon have been notified to remove beyond the limits of the Reservation within the next 30 days. Notices in shape of sign boards are being prepared to be placed in Tanners Cañon, warning all persons that they are liable to prosecution by the United States for cutting or hauling wood therefrom. Upon visiting that Cañon I found a considerable quantity of Wood which had been cut and corded there. It is claimed to have been cut last winter, and is I think, being hauled to Charleston. Tanner has a saw-mill near the head of the Cañon, but obtains his timber from the other slope of the Mountains, and as I was informed, the lumber is hauled out that way to Harshaw.

In case these people do not remove, I request to be informed what further means I shall adopt and exercise to remove them. As there appear to be two or three families living there, and two or three gardens being cultivated, I have thought it best to give them all 30 days in which to remove and perhaps it may be advisable to give some of them a longer time.

That Cañon is, in my opinion, the best site for a permanent post in Southern Arizona, there is plenty of room for any garrison not greater than a Regiment. Good ground. Good grazing. A

USFH-00000718

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That Cañon is, in my opinion, the best site for a permanent post in Southern Arizona, there is plenty of room for any garrison not greater than a Regiment. Good ground. Good grazing. A beautiful site. and an abundant and permanent supply of water flowing to near mouth of Cañon, I estimate the

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supply of water more than four times greater than here. The flow of water from the spring at the Old Mill-site in this Cañon is I think fully (50.000) Fifty Thousand Gallons per day in the dryest portion of the season. I base this opinion upon personal observation and experiments made by Lieutenant Bailey who ascertained the volume of water, flowing through a Common Wooden trough, at a point some distance below the spring, to be 3.$\frac{445}{1000}$ Cubic inches flowing with a velocity of about 171 feet per minute.

It was impracticable for him to confine all the water, or direct all into the trough, and I presume considerable loss to have occurred between the fountain head and point of experiment below. According to his experiment, the supply is calculated at over (40.000) Forty Thousand gallons per day. That is the only spring in the Cañon from which it would be worth while to attempt to pipe water, as it would supply an abundance and no other one spring is sufficient, at all seasons to supply the wants of the present Garrison. It is situated, I judge about three miles from present post, or about 300 feet greater elevation, and probably eight or nine hundred feet greater

The Spring at the Red Mill Site in this Cañon is I think fully (50.000) Fifty Thousand Gallons per day in the driest portion of the season. I base this opinion upon personal observation and experiments made by Lieutenant Bailey who ascertained the volume of water, flowing through a common wooden trough, at a point some distance below the spring, to be 3.$\frac{445}{1000}$ Cubic inches flowing with a velocity of about 171 feet per minute.

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Lieut Bailey

reports it impossible to make a profile of the line over which water would have to be piped to new site mentioned in Lieut Palfrey's report, owing to want of instruments, and estimates the distance between four and five miles, and the total fall at not less than 600 feet. I think it more.

The addition to the survey ordered, I found it necessary, in order to preserve a piece of ground on Barba=Combe Creek now being cultivated for a Post garden, to place two posts out there. This proposed addition is shown on enclosed sketch. The garden seems to have excited the envy or cupidity of one or two frontier traders, who were attempting to encroach upon it. It is not a question of putting any one off there, but of keeping them off until such time as we can reap the benefit of the present garden. I am aware that this addition is claimed by some one under an old Spanish grant. But I understand the matter never to have been decided by the Courts or other authorities, and until such time as it is decided or found necessary or advisable to abandon it, I recommend it be held as a part of the Reservation. In any event I request that, my action taken to preserve the present garden be approved.

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I return herewith the sketch received with your letter.

USFH-00000723

Very Respectfully
Your Obt. Servant
[illegible]
Captain 6th Cavalry
Commanding Post.