

NORTH CAROLINA GEOLOGICAL SURVEY.

Chapel Hill, N. C., April 13, 1899

Gov. Elias Carr,

Old Sparta, N. C.

My dear sir:

I am delighted to receive your letter of the 14th. I have at intervals for six months been promising myself the pleasure of coming down to see you. Now with the successful boring of these two flowing wells which you mention an urgency phase is put on the problem and you may expect to see me some time next week. I shall be in Wilmington probably in Saturday and Monday investigating the deep well that the Clarendon Water Works Company has been boring there. There is a little doubt about my reaching Bracebridge early next week in as much as trips to Florence, Charleston, and Savanna may be necessary in connection with my examination of this Wilmington deep well problem. I predicted there a flow of water, you may remember, at a depth of between a thousand and eleven hundred feet and at that depth they struck a flow of 300 gallons per minute, which had pressure enough to rise in the pipes 75 feet above the surface of the ground. But unfortunately the water was brackish. Since that time they have gone to 1150 feet passing through all of the sedimentary strata and have struck granite. They are very much discourgaed and I am going down to see if I can render them any further service.

I am delighted to hear of the success near you. I have a number of times advised the people in the neighborhood of Tarboro to bore for an artesian water supply. I think you probably misunderstood me as to the probability being against the suc cess of artesian wells in your neighborhood and especially in the low grounds. I confess however that owing to

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the proximity of the granite near Bracebridge I shall be a little surprised to have the water from deep wells flowing on the more elevated portions of the country. Still, even this is not beyond the limits of possibility.

Hoping to have the pleasure of being with you very soon, and with regards to your family, I beg to remain,

Yours very truly,

A handwritten signature in blue ink, appearing to read "J. A. Holmes", is written below the typed text.