

NORTH CAROLINA GEOLOGICAL SURVEY,

RALEIGH, N. C.,

July 19

1891

Dear Mr. Carr:

I have pretty fully investigated the Diamond Drill problem; have since our meeting had half a dozen applications for use of drill; I have met the representative of one drill company, and have just returned from the visit of the works of another - the Pa. Diamond Drill Co.

I am now prepared to recommend the adoption of Mr. Morchhead's proposition, that,



instead of purchasing a drill just now, we rent a drill outfit, and decide on the matter of purchase when we are better satisfied as to the beneficial results of the undertaking.

The Pa. Diamond Drill Co. makes the most satisfactory proposition as follows:

To rent us a drill, with outfit excepting boiler (which I think we can get in each neighborhood) for \$100.<sup>00</sup> per month, and we also pay the man, the company sends down to run the drill  $3\frac{1}{2}$  dollars per day and expenses,



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The latter including traveling both ways & board while at work for us. We also pay freight on drill outfit; and the contract is to terminate at the end of one month or three months or a longer time if we desire; and if at that time we decide to purchase all rent money the (\$100<sup>00</sup> per month) is to be deducted from purchasing price of outfit. If we decide to purchase the cost



of complete outfit will be  
about \$5000<sup>00</sup> less rent money.

It is expected that the renting  
of machinery, & pay of drill managin  
will cost the survey a little  
over \$2000<sup>00</sup> per month; while  
the cost to parties who cooperate  
with the survey in the work, and  
on whose land the borings  
are made will be three or  
four times this amount.

Every boring made will be  
of value to the Geological Survey  
in helping to unravel the  
Geological structure of such regions,  
and where we can get other  
parties to defray  $\frac{2}{3}$  or  $\frac{3}{4}$  of



the east of these borings, I  
am prepared to recom-  
mend that we make them.  
And after satisfying my-  
self that the proposition of  
the Pa. Diamond Drill Co. is  
the best we can get, I feel  
prepared <sup>to recommend</sup> that we agree  
to send a drill on these terms,  
and proceed with the devel-  
opment for the investigation  
of the coal deposits of the  
sandstone regions of Dan and  
Deep rivers; and after the



investigation has been carried on for a few months we will then all be in a better position to decide as to the purchase of the outfit for future work.

Should this meet with your approval please write Gov. Holt to that effect at once.

Should you prefer to have a meeting in Kalispell talk the matter over, you will please write the Governor to that effect & state when you can come to Kalispell for that purpose.



I will probably be in  
Chapel Hill Monday pm, & go  
to Raleigh Tuesday. Should  
you prefer to understand  
the matter more fully &  
can <sup>not</sup> conveniently come to  
Raleigh, I can come to  
Sparta & talk the matter  
over with you there.

It is desirable that if we  
act at all in the matter  
we do so promptly, in  
as much as several parties



are delaying plans, awaiting  
our action.

Yours truly &c

J. A. Holmes