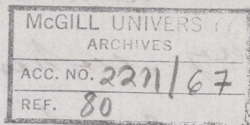


I have  
Lime Brook June 6<sup>th</sup> 1879



To Dr. Dawson

Dear Sir

I was at West Branch of River  
John for the Messrs Primrose. Seeing some coal indications  
which are to be seen in a bank on the River shore which  
are to be seen about one mile above the Bridge. Where the  
indications are is in a bank of a rock rising <sup>nearly</sup> perpendicular  
on the shore of the stream in a band of conglomerate about five  
feet in thickness in cracks which are in the conglomerate  
at right angles with the dip. These cracks are larger  
on the overlying surface than the under-surface of the conglom-  
erate band - This band does not continue conglomerate as  
dips but changes to stratified rock (see sketch No 1) I  
seen no coal indications in the last named part of the  
band but there is much slickensided material in the  
part it changes from conglomerate to stratified rock

Below or underlying the conglomerate there is 20 inches of soft  
red rock some harder than common fire clay a small  
distance up stream or south (underlying) from the first  
place, there is some traces of the same coal but  
mingled in the material the rock is composed of, not  
in cracks as in the conglomerate. Where the cracks end in  
the conglomerate there is some Berites mingled with  
the coal, these cracks which hold the coal vary  
in thickness from one eighth of an inch to one inch and one

one inch and quarter. I did not see any traces of fossils  
any where in this locality but doubtless the rocks  
are carboniferous dipping north some few degrees west.  
On sketch N<sup>o</sup> 2 I found the rocks dipping the reverse  
way or nearly so - I was shown while there some  
coal taken from some distance North taken from in  
a place called Black River a tributary of the same  
stream. I forward you by mail a small sample  
of the coal with the description round each parcel

My reason for writing is that owing to the  
peculiar position I found the article in I could  
not recommend to the printers for to go to any  
great outlay in searching the coal being in con-  
glomerate and should the cracks be followed  
it would only be following the out crop  
of the containing rock or conglomerate. There can  
be no doubt that the rock first cracked and  
that the coal in a liquid condition got forced in  
to the cracks as every fracture contains less or more  
coal. Should you find time for to look  
over the above will you please tell me what  
you think of it.

Yours

Donald Parker

A B a box containing some fossils will leave here  
in few days

D.P.