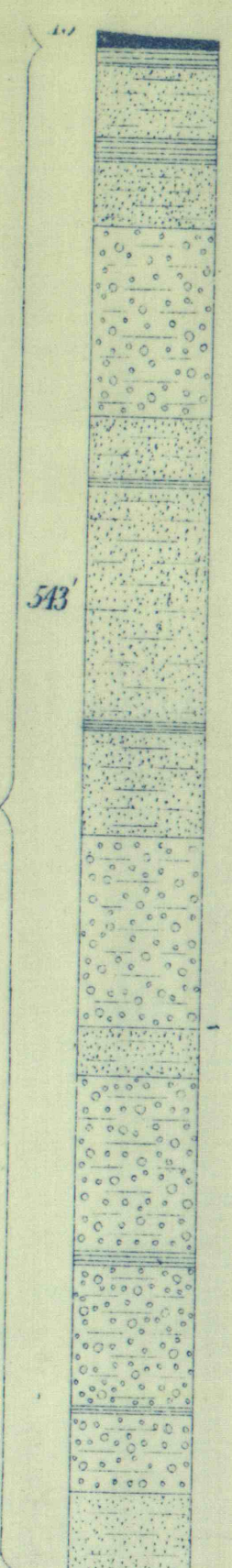
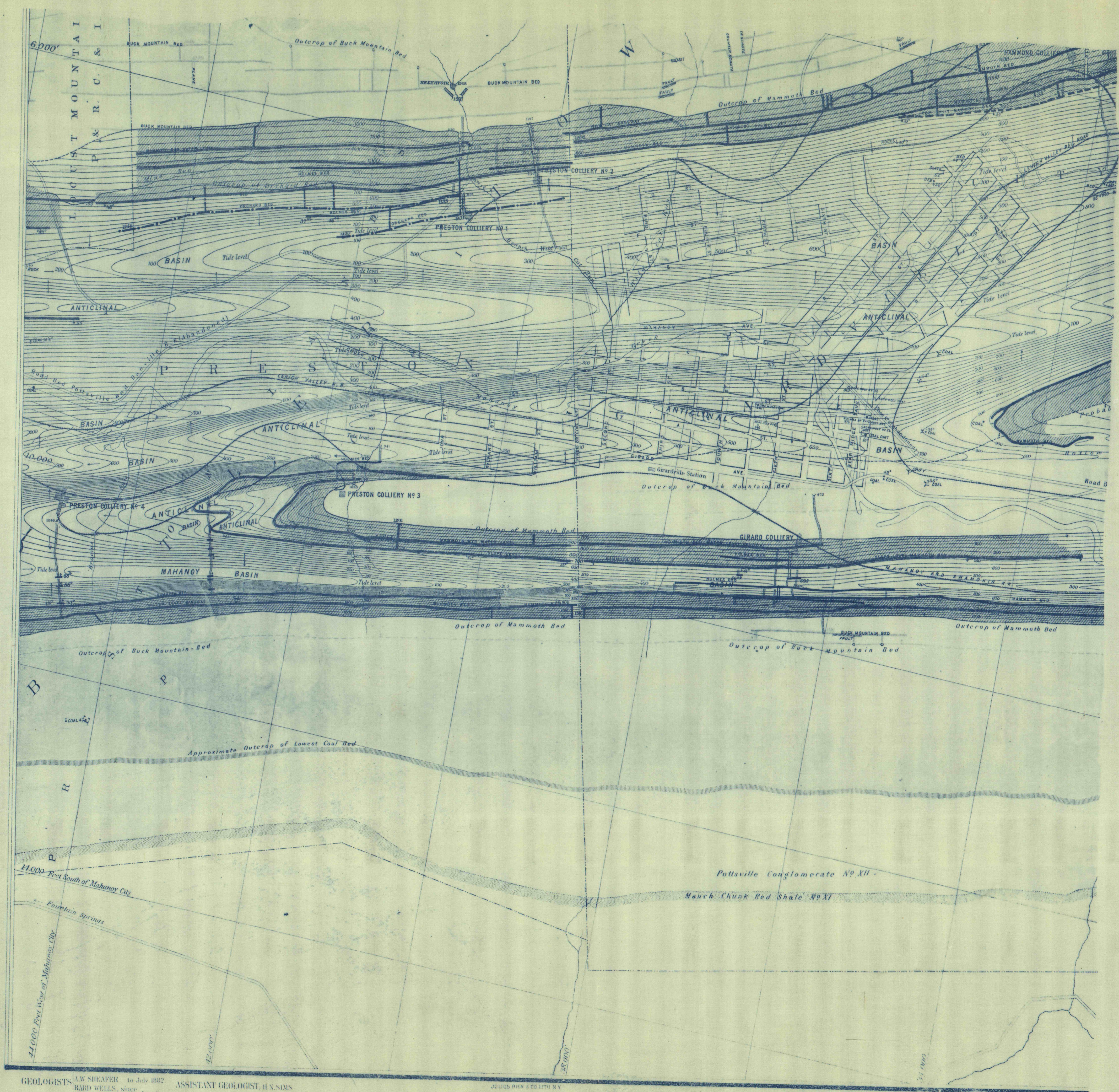


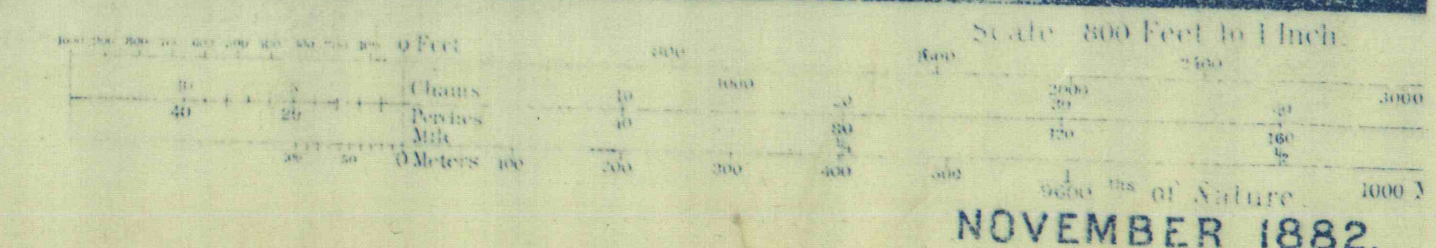
GIRARD MAMMOTH COLLIERY (Heber S. Thompson)



Scale 100' 1"



GEOLOGISTS: J. W. SREAFER to July 1882. ASSISTANT GEOLOGIST: H. S. SIMS. BIRD WELLS, since. AID: BIRD HALBERSTADT.



NOVEMBER 1882.