

But one mine in the Burlington area has been opened on the east side of the Mouse river. When the place was visited in the summer, Mr. Honeywell had leased the mine to two miners who were just preparing to open the old entry. The opening contains considerable water, due probably to the fact that the mine has been idle for some months. The entry now appears to terminate at the contact of a slip with the side hill.

Two noteworthy attempts to reach the lignite of this area by shaft mining remain to be mentioned. The first shaft was sunk one mile west of the little town of Des Lacs. Here the greatest depth reached was 230 feet. At the present time the work on the shaft is discontinued, after the expenditure of \$18,500. The first lignite was found at 217 feet, a three-foot seam. Under the seam, and separated from it by eighteen inches of clay, occurred a second four feet thick. One hundred and eleven feet farther down, as was ascertained by boring, lies a third seam ten feet thick, the one that is tentatively correlated with the seam at the mine along the river, six miles east. The shaft was, in September, 1902, filled with water to within five feet of the top.

An examination of the material dumped from the shaft showed that about half of it consisted of stony blue clay, or till, and the rest of bluish sandy clay from the Laramie. The stony clay, or till, contained small stones, many of which were sub- angular and striated. No large boulders were seen. Besides the limestone and crystalline pebbles, many fragments of lignite were imbedded in the drift.