

were drilled deeper, and from their records Orton constructed a generalized section for the vicinity, which allots a thickness of 600 feet to the formation (inclusive of the Black river and Lowville), and 200 feet to the Beekmantown beneath.¹ At Stillwater, 10 miles southeast of Pulaski, he indicates a thickness of 670 feet for the Trenton, and no allowance is made for the Beekmantown, which is surprising and suggests the query whether the Trenton has not been thickened at its expense. Here also the upper 300 feet are significantly referred to as "White Trenton" and the lower portion as "Dark Trenton," an arrangement of interest when compared with the type section.

A few wells are also reported on in Jefferson county, but the records given are very fragmentary.² In Adams township, next southeast of Watertown, three wells were drilled to the Precambrian, which was reached at from 915 to 960 feet. Except for a few feet of drift the wells began in the Trenton and very near its summit. It seems incredible that the formation should be 900 feet thick here, but this includes the Black River and Lowville, and, in all probability, at least a small thickness of the Beekmantown, though it is not certain that that formation is here present. It is found however in outcrop not many miles away to the northeast, though it is not thick. However this may be, and making the most generous allowance possible, there yet remains a huge thickness which must be ascribed to the Trenton proper.

Notwithstanding their imperfections, these sections indicate with clearness that the thickness of the formation at Trenton falls is not a mere local matter, but that it is held, and much increased to the north, on the west side of the Adirondack region. As the same records show, the overlying Utica rapidly thins in the same direction.

In the Mohawk valley, west from Herkimer, the drill has also given corroborative evidence.³ In the well at Ilion, only 3 miles west of Herkimer, the section shows 105 feet of Trenton, about what should be expected from its measured thickness along West Canada creek between Herkimer and Middleville. At Utica, 12 miles farther to the north of west, the Trenton is certainly 330

¹*Op. cit.* p.442.

²*Op. cit.* p.456-59.

³Prosser, C. S. *Am. Geol.* 25 :131-49; *Geol. Soc. Am. Bul.* 4 :100.