



WELL DRILLING FOR FIVE GENERATIONS
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Sir,

I have reviewed the hydrogeologic area South of the Trott Brook regarding impact of 4" water wells designed from domestic uses on 1 acre lots and bigger and concluded the following:

All water wells in group have an impact on the ground water supplied to the City of Ramsey from the Northwest. The impact of a 4" well pumping 25 gpm for domestic uses and irrigation of the resident property has very little impact. The Water Well Industry that service our City has not found the private wells have changed the water level on a permanent or seasonal uses. Changes in the static water levels seasonally could be in inches and could be seen on private well drop pipe (pump supply pipe) but none has been noticed.

It is for this reason the Minnesota Department of Health Well Management Unit as well as the Department of Natural Resources have not bothered dealing with wells that pump under 10,000 gallons per day or 1 million gallons per year.

Residential areas to the South and South West have numerous residential wells (one per house) with no impact on each other. Cone of depression for any well will exist but at 25 gpm may not be detectable 5 feet away from the well.

Wells in the area are mostly finished in the sedimentary sandstone call Franconia-Ironton Galesville now call the "Tunnel City". A smaller portion of wells are finished in the glacial gravels. The glacial gravels are somewhat protected by an up-flow from the Tunnel City into the glacial gravels above.

Your twelve wells will not have a measurable impact on other wells in the area or for other City users near Trott Brook as circled.

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