

NE cor. NW NW sec. 21

19S. 5W

McPherson

test hole

upland slope

60

5

42.4

Very meager yield-less than  $\frac{1}{2}$  gallon per minute

Soil, dark gray-brown. 2 2 Fast, smooth

Clay, gray. 3 5 Slow, smooth

Silt, yellow-gray, sandy. 2 7 Fast, smooth

Iowa Shale:

Marquette member

Sandstone, medium to fine, brown and yellow, interbedded with some clay, yellow and light blue-gray. 3 10 Slow, chatter. Hard zone at top. (No chuck)

Clay, yellow-gray and blue-gray, interbedded with little sandstone fine. 10 20 Slow, occasional chatter

Clay, blue-gray, mottled yellow. 12 32 Slow, smooth

Clay, sandy, yellow-green. Cone-in-cone limestone 32 to 32.5. 8.5 40.5 Slow, occasional chatter

Sandstone, medium to fine, brown. 3.5 44 Fast, chatter.

Clay, red and yellow. 1 45 Slow, chatter.

Clay, blue-gray and yellow, much gypsum, coarse crystalline. 15 60 Slow, smooth