

DOWNING, STEVE
20 PERSHING AVE
Decorah, 52101

Winneshiek, Decorah, Sec. 23, South $\frac{1}{2}$
May 22 - 24, 1990
NITRATE LEVEL: <4.4 ppm

Bin 2D # 31572

98-8W

C40

LOG OF WELL

0'	to	12'	Brown clay
12'	to	46'	Yellow limerock
46'	to	72'	Grayish blue limerock
72'	to	127'	Yellowish white limerock
127'	to	219'	Shale
219'	to	284'	Sandstone
284'	to	286'	Blue shale
286'	to	418'	White limerock, streaks of sandstone
418'	to	457'	Gray limerock

The well is cased to 310 $\frac{1}{2}$ ' with 7" O.D. steel x .317 wall P.E. casing. A 10" hole was drilled to 309' and cement grout was pumped in the annular space to 118'. Benseal grout was then pumped in from 18' to ground level.

The static water level is 198'.

The recommended pump setting is 300' at 50 gallons/minute.

BORE HOLE SIZE DATA

0'	to	17'	12 $\frac{1}{4}$ " diameter
17'	to	309'	10" diameter
309'	to	457'	6 $\frac{1}{4}$ " diameter

DAVE