WELL NO. 4

GENERAL HISTORY: This well is located on North 10th Street in the alley north of Poplar Street, and the facilities are housed in a concrete block building.

The well was completed in 1953 by the McCarthy Well Company of St. Paul, Minnesota to a total depth of 780' at a cost of $17,512.16.

They installed a 16" grouted casing to 158' and installed a 12" liner from 608' to 771' with the lower 85' perforated or slotted.

At the time of completion it was reported that the well was test pumped approximately sand free at 600 gpm.

The pumping rate has been lowered to 450 gpm as noticeable quantities of sand are pumped when the rate is above 500 gpm.

GEOLOGICAL DATA:	DEPTH IN FEET
PLEISTOCENE SYSTEM (sandy till)	0 - 25
DEVONIAN SYSTEM	
Cedar Valley formation (limestone & dolomite)	25 - 380
ORDIVICIAN SYSTEM	
Maquoketa formation (dolomite & chert)	380 - 460
Galena formation (dolomite & chert)	460 - 675
Decorah - Plattville formation (limestone & shale)	675 - 720
St. Peter formation (sandstone)	720 - 780 T.D.