7½ Fairfield North Quad
41 01 15 N - 091 57 18 - 01
072 - 10W - 24 DCD
1980/ field located by D. Kuster

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W 8193

Location:

Town: FAIRFIELD (N E) (S W) :County JEFFERSON

SW/c SE sec. 24 T. 72 N., R. 10 W. ~~E.~~ Twp.

Well name and number

Owner CITY OF FAIRFIELD Address FAIRFIELD, IOWA

Tenant Address

Contractor VARNER WELL CO. Address DUBUQUE, IOWA.

Drillers

Drilling dates FEB. 3, 1957 – JULY 12, 1957

Well data:

Altitudes: Drilling curb feet; Land surface 759.9 feet

Determined by LLS 8/62

Topographic position UPLAND – IN PARK ON WEST SIDE OF RESERVOIR

Total depth: Reported 2155' feet, Measured feet

Drilling method ROTARY

Hole and casing data 222' OF 20" OD SURFACE CASING

1430' OF 12" OD CASING

Original depth to water ft. above/below Date

Source of data

Sources of water: Principal

Others

Production Data

Date				
Static water level	175			
Measuring point				
Pumping water level	258			
Yield (g. p. m.)	1190			
Duration of pumping				
Specific capacity				

Pump Data

Type pump _____ Column diameter and length _____

Cylinder or bowls diameter and length _____

Suction pipe _____ Airline _____

Power _____ Production _____ g. p. m. for _____ hours per day

Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled				
Sampled by				
Silica (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

Well No. W 8193 Sample range 160 - 2155 No. of samples EM 7-7,8,9,10-392

No. of dupls. and cond. 367 good Washed range all

Samples prepared by Dow et al. Date 7/16/57

Logged by Northup Date Feb. – July 1957

Correlations by " Date " " "