IOWA GEOLOGICAL SURVEY

In Cooperation with U. S. Geological Survey

RECORD OF WELL

N 6987

Location:

Town: Charles City (NE) (SW) :County Floyd ~~E.~~

NW SW SE NE NW sec. 12 T. 95 N., R. 16 W. _____ Twp.

Well name and number Charles City Municipal Well No. 6 (1955)

Owner City of Charles City Address _____

Tenant _____ Address _____

Contractor Hoeg & Ames Address _____

Drillers _____

Drilling dates Jan. 11-1955 – June 10, 1955

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1048.41 feet

Determined by Plane Table - Murray Engineering Co. - Belmond, Iowa.

Topographic position Hill

Total depth: Reported 1355' feet, Measured 1355' feet

Drilling method Cable tool

Hole and casing data 30" or 26" pipe 0-30'

360' of 20" pipe set @ 359'

16" casing set @ 836' - Top is at 317'

Open hole 836'-1355'

Original depth to water 111' ft. above below Date _____

Source of data _____

Sources of water: Principal Prairie du Chien - Jordan - St. Lawrence 836-1355'

Others _____

Production Data

Date				
Static water level	111			
Measuring point				
Pumping water level	223'			
Yield (g. p. m.)	880			
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. 2969 W EG6-3,4,5 Sample range 0-1355 No. of samples 209

No. of dupls. and cond. 209 good Washed range 30-1355

Samples prepared by _____ Date _____

Logged by NORTHUP Date JAN. - JUNE 1955

Correlations by NORTHUP Date " "